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The Idaho Forester Staff



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Dedication

The Idaho Foresters are proud to dedicate this first edition of THE IDAHO FORESTER published during our participation in World War II to all our fellow foresters doing the biggest job of all in the armed forces of their country.

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Major Items in a State Forest Program for Idaho

By D. S. JEFFERS, *Dean*
School of Forestry, University of Idaho

Almost two decades ago the late Dean Francis G. Miller wrote, "The year of 1900 may be said to mark the beginning of the lumber industry in Idaho." That was the introductory sentence to a discussion of Idaho's New Forestry Law, the law of 1925.

He went on to say, "The timbermen of Idaho were not standing idly by prior to 1925. In the year 1906 some farsighted operators who owned timber tributary to Coeur d'Alene lake formed the Coeur d'Alene Timber Protective Association. Shortly, other groups of operators formed the Southern Idaho, Potlatch, Clearwater, Pend Oreille, and Priest Lake Timber Protective Associations."

The year of 1907 is, historically, a significant one in Idaho forestry. That was the birth year of the Fallon Fire Law—the first of its kind, and destined to become the pattern for other fire laws in the timber regions of the United States.

But the Fallon Fire Law was not sufficient for meeting the problems of forestry in Idaho. A revision was attempted in the State Legislature of 1919 in a bill establishing a State Department of Forestry and the creation of the office of State Forester. The bill failed of passage, as did successive bills in following legislatures. The passage by the Congress of the United States of the Clarke-McNary Act gave added stimulus to the movement for forestry legislation in Idaho. In 1925 a bill embodying many features of the original Fallon Fire Law became the Forest Law of Idaho. Thus the first step in a forestry program for the State was taken in Idaho.

Almost a fifth of a century has passed since 1925. Laws enacted by Idaho legislatures in 1929, 1933, 1935, and 1937 are the milestones of progress to date. The program has been real, studied, and fully up-to-date. Idaho, however, today has no state-wide forest policy—a policy that covers all the timbered lands of the State regardless of ownership or area.

Forested lands under federal administration are managed according to well-established and generally acceptable policies. Some unit areas of forest land in private

ownership are under equally acceptable management policies. Wherever State forest lands are in large blocks there are in force general practices looking to continued production, some units being mute evidence of excellently planned cutting policy. Yet for the State as a whole, regardless of ownership, there is no generally recognized, publicly accepted, and widely followed policy looking to the perpetuation of forests in Idaho. If this significant natural resource of the State is to be maintained, such a state-wide forest policy is imperative.

The initial sentence in any discussion of forest policy may well be the statement of the National Lumber Manufacturers Association, changed somewhat and adapted to Idaho: "Both state and industrial welfare demand prompt development of an Idaho forest policy which will substitute for indifference or accident an intelligent, practical, equitable, and concerted program for the perpetuation of forest resources."

The four divisions of the "program" are important. The technical skills of the school-trained man, the wide experience of the practical man, the sound judgment of the administrator, and the wise council of the layman together will not be more intelligence than is needed. A forest policy must be kept within limitations of what can be done in Idaho and what Idaho foresters and forest owners can do. It must be practical, and all interests must be considered. Private ownership of forest land must be possible with a profit to the owner sufficient to encourage him to continue in business. The interests of Idaho citizens, the school endowment fund of the children, is an imperative guide. If large areas of forest land in the state, whoever the owners may be, are cut over without any plan for a future crop, the time will come when the timber supply is reduced to a low level or completely gone. Such a condition means adjustments in employment, land use, public and private revenues—an economic shock for which the State and the community are not prepared. To expect any one area of forest land or agricultural land to cushion this shock is not equitable to say

the least. It's poor business for the State. It's unfair. A policy must be equitable for all.

Not only the citizen who is forest-minded because of his dependence upon the forest, but citizens in all walks of life must support and aid a State forest policy if the resources bound up in the forests are to be perpetuated and wisely managed.

The "musts" of the above paragraphs seem to suggest at least six items in a State policy that are necessary to and a part of the "intelligent, practical, equitable, and concerted" program.

1. Sustained yield units:

In the legislature of 1937 a law (Chapter 140) was placed on the Statute books that created cooperative sustained yield districts coextensive with forest protective districts "now or hereafter created." The law provided "that owners of forest land within such districts shall comply with the provisions of the Act;" prescribes the general forest practice to be followed by such forest land owners; indicates what timber may be cut and what in the form of growing stock shall be left; provides for administration of the act and the procedure whereby owners who comply may be given certain concessions under the tax laws. Certainly the law was a step in the right direction. But the law applies only to private owners of timberland. Nothing is said about the cutting plan, cutting budget, or policy which will include **all** timbered lands, **regardless of ownership**, within the "sustained yield district," and how each unit of ownership may contribute, according to a plan, to continued cutting of timber within the boundaries of the unit.

The other two chapters of the State Forest laws (Chapters 150 and 185) deal largely with protection of forests and reforestation. Both of these are absolutely essential if we are to perpetuate our forests.

With all her laws, however, Idaho is lacking any definite policy of maintaining, at the highest level possible, a continuous cutting of her marketable mature timber. A program to accomplish this is of necessity a cooperative compromise whereby timber on all ownerships is harvested according to a planned cutting scheme applied to the "yield unit." Until regularity is attained, some major adjustments between two or more units may be imperative; yet a policy followed through will assure Idaho her timber century after century.

2. Public interest in and responsibility for privately owned forest lands:

The private owner of timberland in large bodies suitable for extensive cutting plans is in a difficult position. It is not the purpose here to develop or to discuss the many problems he faces. Rather it is desired to point to a few of the irritating conditions under which he operates. The interest of the public in the timber of the private owner is peculiar to this type of land ownership. The fish in the stream, the game and wildlife so abundant in Idaho, the watershed values, the recreation possibilities, etc., are but four of the major urges which the public promiscuously satisfies, often to expense and serious loss (in the case of fire) to the owner, without so much as a thought being given to the debt owed the owner. The public service rendered by the owner of private timberland is seldom if ever given any recognition. The State forest policy should undergird the timberland of the private owner with public support and intelligent interest commensurate with the measured and unmeasured values rendered to the State. A cooperative endeavor is the answer—each mindful of the interests of the other.

3. Stability of ownership:

"Cut and get out" was one day the slogan. No longer should it be (and it rarely is) the goal of any aggressive timberland owner in Idaho who operates his land as a productive unit. The title to timber bearing land must be made so stable as to assure the future of private ownership or we face the public ownership of all forest lands. If the individual owner cannot afford to grow trees for lumber, either the land economic system is wrong or our use of land bearing mature timber is forcing public ownership, and it becomes a natural and inevitable result. Under existing social and general economic conditions stability of private ownership of forest land seems to render much public good. The aftermath of war and its effect on our land philosophies cannot be foretold. For the present, however, Idaho must stabilize forest land ownership.

4. The new public domain:

This is a phrase bandied about without much ado being made of the conditions which make it a truth. The presence of tax delinquent timber lands in Idaho means conditions are forcing, or at least favoring, the abandonment of them by the owner. Perhaps they should pass from private ownership in some instances. It is not the purpose here to debate the issue but to point out that any forest policy must set itself to

discover what are the economic conditions which favor what appears to the writer as misuse of land. Our present system of "accident" or "trial and error" is a system ill-advised and founded on false policy, or no policy at all. A State forest policy would anticipate a correction of conditions that contribute to such a land status and the adoption of a program looking to the rapid and early termination of that land status. Lands unable to bear the prorated costs of government point the finger of blame at a state without a land policy stated in terms of the varied resources the land supports.

Lands denuded of timber and not put to other and better uses are counted by the hundreds of thousands of acres in Idaho. Data from the State Equalization Board show that in terms of the 1921 area of merchantable timberland north of the Salmon River in Idaho there remained in 1940 but one-third. The merchantable timber is gone. Is the cost of restoring these lands to productivity reasonable? Is it an economic waste to permit them to produce a cover of shrubs and brush, or no cover at all, rather than a timber crop of some sort? The timber that was removed was merchantable and valuable; it contributed an economic return. That the owner, public or private, did not make provision for a future crop is "water over the dam." Now the land is non-productive of timber. Suppose an effort were made to restore its timber productivity, who would undertake the job? In all probability it would be largely by public effort. How can the work be financed? Bonds issued by the State appear the probable method. Here lies one of the difficult problems faced by any group or party that would restore to Idaho her resources in land cut-over, burned-over, and not-reproducing, a difficult problem in any state policy. Yet other states are restoring their unproductive lands, and on a very small scale it is being done in Idaho. The way or ways best suited to Idaho conditions require careful review and study—one of the very important phases of a state-wide policy.

The denuded and tax-delinquent lands—the orphans of poor land economics—should be fathered by the State and nurtured into productive units of the State as rapidly as good economy may dictate. Some of these lands are naturally part of already established administrative units now under either federal, state, or private controls, and their future status in such instances is rather clear.

In addition, there is increasing public in-

terest in county and municipal forests for Idaho. Leadership and wise counsel in procedure, legislation, and administrative policies are urgently needed at this level. Although this latter class of public ownership may be infrequent in Idaho, it is a phase of our state-wide policy little discussed and not understood but at the same time an integral part of state forest policy.

5. Land classification:

Probably the most frequently heard criticism against transfer to public ownership of forest lands refers to the loss of such lands from the tax rolls. It is assumed by the critics that such lands would have continued to be productive of public revenues. Often they would; more often they would not, when judged in the light of past history and present trends. Such assumptions exclude any faults in the present taxing systems. It seems evident that either there are faults in the economic system of land use or the marginal line between productive and non-productive lands must be resurveyed. A State policy would accomplish just that, a resurvey of productive capacities; land classification is the accepted term.

6. Research:

Under each of the five items above the need for research has been implied, if not stated directly. As the foundation of a State forest policy of real significance and value is found a continuous program of research and study of data at hand and to be gathered. Without it any policy for forestry must be of only temporary use. Research is not a field for technical specialists only, but denied the aid of the trained researcher many data are misinterpreted or their significance passed over. Research is basic and workers are available to the State of Idaho at its University. It remains but to set in motion an arrangement whereby the State forest policy is supported and aided by that technical assistance.

Summary: Within the problems of county-owned lands, selective logging and sustained yield units, land classification, consolidation of various unit ownerships, and adoption of state-wide cutting budgets are the roots of an "intelligent, practical, equitable, and concerted program for the perpetuation of (our) forest resources" in Idaho. The citizens are few who do not recognize some value in the forests. Future citizens will ask why this generation failed at the point of an effective State forest policy, why we reaped the harvest and lost the resource, why we of Idaho permitted indifference to rule?

Need for Further Wood Processing in Northern Idaho

By ROBERT K. WINTERS, *Regional Director Forest Survey,
Northern Rocky Mountain Region*

Some years ago I was privileged to spend a few days in the charming village of Oberammergau, nestling high in the Bavarian Alps. Entering by chance the shop of Alois Lange, famed wood carver and Christus of the world-famous Passion Play, I purchased a small envelope knife intricately carved from wood. I have no idea what my purchase price represented in terms of dollars per thousand board feet of original rough lumber at the sawmill. Certainly, it was a fabulous sum.

Since that day I have many times pondered the various ways and means for enhancing the value of raw resources through refining processes. The theme of my present discussion on Northern Idaho is, figuratively speaking, "How to bring greater income to local workers by making more paper knives out of rough wood."

The ten counties north of Idaho's Salmon River form a compact economic unit. In the past, their development has chiefly depended on natural resources from farms, forests, and mines. This development has brought a measure of prosperity for a total population of some 136,000 persons. Considering the area involved this is not a large population. Present indications are that the future prosperity of these counties will also depend chiefly on the natural resources. With a decline in productivity of certain agricultural

areas and with a substantial shrinkage in the readily marketed pine timber volume, Northern Idaho may not be able to provide a perpetual prosperity for its people. Hence the need to secure additional income to local workers.

Healthy community and regional development are usually associated with diversity of employment. Using as a base the employment pattern of regions generally considered prosperous and well stabilized, we can perhaps set up goals for Northern Idaho. Table 1 compares Northern Idaho's employment pattern with that of several other regions of the United States. In this table, occupations are classified into three large groups: extractive, refining, and distributive and personal service industries. Regions differ, of course, in density of population, nearness to consumer demand, and in other ways which influence their employment pattern, and also their living standard. Nevertheless, an area characterized by a high proportion of employable labor in extractive industry almost always sells its muscle and sinew cheap, thus permitting some other region to profit handsomely through the sale of a finished product. The Arkansas farmer had the situation sized up about right when he said, "Yea, I hear thet th' aluminum companies up in New York state be mighty rich, but all we'uns hereabouts gits out o' them is some measly

Table 1.—Occupations, by classifications of the fifteenth census—1930¹

Occupational groups	Distribution of gainfully employed			
	Northern Idaho ²	14 Southern states ³	Middle Atlantic states ⁴	Pacific Coast states ⁵
	<i>Per cent of gainfully employed</i>			
Extractive Industries (Agriculture, forestry, lumbering, fishing, extraction of minerals)	49	45	8	18
Refining Industries (Wood-using and manufacturing industries and other manufacturing industries)	15	19	36	26
Distributive and Personal Service Industries (Transportation and communication, trade, public service, professional or domestic service and clerical occupations)	36	36	56	56
	100	100	100	100

¹ A part of this table is adapted from an article by Burt P. Kirkland, "Southern Forest Resources and Industries," appearing in the Southern Economic Journal, Vol. VI, No. 1, July 1939.

² Benewah, Bonner, Boundary, Clearwater, Kootenai, Latah, Lewis, Nez Perce, Shoshone, and Idaho Counties.

³ Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Tennessee, Kentucky, Arkansas, Louisiana, Texas, and Oklahoma.

⁴ New York, New Jersey, Pennsylvania, Delaware, Maryland, and District of Columbia.

⁵ California, Oregon, and Washington.

wages shovellin' this here bauxite into cars headed for New York."

Table I shows that the very prosperous and highly diversified Middle Atlantic states had in 1929, the latest data now available, only 8 per cent of their gainfully employed in the extractive industries, as compared with 36 per cent in the refining industries. In other words, these states took the iron ore, the bauxite, the rough lumber from other states, added brains and brawn to turn out such items as watch springs, pots and pans, and fiddles. This large volume of refining work in turn makes possible a large volume of distributive and personal service work.

The employment pattern of the Pacific Coast states, which are not nearly so highly specialized in the refining field, probably is a more reasonable goal for Northern Idaho to aim at. In these states 18 per cent of employable workers were in the extractive industries in comparison with 49 per cent in Northern Idaho. This latter was roughly

Table 2.—Value per thousand board feet Scribner log scale of timber

		Dollars
Standing in the forest	white pine	5-6
	other pine	2-3
	other species	1-2
After felling, skidding and hauling to sawmill	white pine	22
	other pine	13
	other species	10
As railroad cross ties (untreated)		12-13
As railroad cross ties (treated)		27-30
As rough lumber		21-33
As finished lumber		29-44
As shingles		24
As box shooks		24-30
As cedar poles (untreated)		30
As cedar poles (treated)		55
As window frame and sash		65-70
As wood pulp (newsprint base)		45
As paper (newsprint base)		70
As match blocks		70-80
As veneer		125

¹ Values are based approximately on prices prevailing in 1939-1940.

split; one-half in agriculture and one-fourth each in mining and lumbering. The present pattern is probably somewhat different, but hardly enough to seriously alter the comparison.

If it can be safely assumed that in the future the people of Northern Idaho will have to live chiefly upon the income from their farms, forests, and mines, the question naturally arises, "How can the harvesting and processing of the products from these sources bring the greatest income to the local population?" One very important solution is "refining and still more refining of these basic products." The discussion that

follows will consider chiefly the problem of further refining the forest products.

In a very rough sort of way, the community-supporting value of a given industry processing local raw materials is dependent upon the value of the end product. Table 2 shows the approximate selling price of various forest products commonly made from Northern Idaho woods and capable of manufacture within this general region. A considerable part of the difference in value of standing timber and of logs at the sawmill is the value of the labor required to fell the trees and transport the logs. Even where the processing is highly mechanized, as in the pulp and paper industry, the wages of skilled labor for servicing and operating the machines is considerable. Furthermore, the operation of the plant puts money into local circulation through taxes and possible income to local stockholders.

In table 2 the stumpage value of timber standing in the forest is indicated by the price paid per thousand board feet Scribner log scale in those transactions where standing timber alone is sold. This price is based on sales made by lumbermen, the states of Idaho and Montana, the United States Indian Service, and the United States Forest Service. The value of the other items is approximately the selling price of the commodity per thousand feet log scale of standing timber required to make the given product.

The minimum return to northern Idaho communities is made through the manufacture of sawlogs only. The stumpage, of course, varies by species; the value at the sawmill depends chiefly upon the species, the difficulty of logging, and the distance to the mill. Logging requires approximately 12 man-hours per thousand board feet in the white pine and associated types and 8 man-hours per thousand board feet in the ponderosa pine and larch-Douglas fir types. On the average thousand board feet of white pine logs logged in northern Idaho and sawed elsewhere, northern Idaho would receive only \$22 for stumpage and logging. During recent years, northern Idaho shipped annually 75 to 80 million board feet of logs for sawing outside the state.

In the sawing of rough lumber 8.5 man-hours of labor per thousand board feet are afforded, and \$11 to \$12 is added to the value of the product. Planing-mill operation adds some \$8 per thousand board feet in value, making a total value of \$29 to \$44 per

thousand board feet depending upon species. On the logs shipped out of the state for sawing and finishing, the state thus lost at least half of the income resulting from the possible refining of a crude product—sawlogs. Yet, even with finished lumber the possible refinement is just begun. The further manufacture of box shooks, sash and doors, match blocks, and toy blanks go much farther in bringing wages and other income to the local population.

Northern Idaho has abundant raw materials for a considerable expansion in the pulp and paper industry. Under recent conditions, stumpage for pulpwood is very cheap—only 75 cents to \$1 per thousand board feet. Logging and transportation add about \$10 per thousand board feet, and the manufacture of pulp and newsprint brings the value of the product up to \$45 and \$70, respectively. In normal times economic conditions preclude any successful expansion of this industry in northern Idaho. Post-war economic readjustments and progress of cellulose and lignin chemistry may completely alter this situation in the future.

Precise information is not available, but possibly as much as 80 million board feet of white pine match planks are sawed annually in northern Idaho. The next step in the manufacture of matches is the sawing and chopping of these planks into small blocks free from knots and crooked grain. These blocks have a with-the-grain dimension equal to the length of a match stick. They are then shipped to the match factory where they are split into match sticks, dipped and finished. Although the planks are sawed in northern Idaho, the blocks are mostly made in Spokane, and shipped east for finishing.

Table 3 shows best available estimates of current use of wood from northern Idaho

Table 3.—Current¹ annual timber cut in Northern Idaho for manufacture in Northern Idaho of given kinds of products

Item	Cut Million bd. ft. Scribner log scale
Sawlogs only	80
Rough lumber	63
Finished lumber	357
Pulpwood	10
Cedar poles	45
Window frame and sash	29
Box shooks	13
Match planks	80
Shingles	4
Fuelwood from living trees	80
Fenceposts	4
Round mine timbers	10
Hewed ties	1

¹ Based on 1939 figures where available, or estimates approximating 1939 conditions.

for most of the items listed in table 2. Comparison of these two tables leads to the general conclusion that northern Idaho is supplying other localities with considerable quantities of raw material for their refining industries. To use the figure of speech of the Arkansas farmer, "Northern Idaho is being content with 'measly wages for shovellin' bauxite into cars.'" Furthermore, the forests of northern Idaho contain large volumes of species such as Douglas-fir, grand fir, western larch, and spruce, for which adequate use has not yet been found.

But what can be done about the situation? Certainly, whatever can be done must be done gradually; fundamental changes in the basic economy of a locality do not often take place overnight, as it were. The obvious suggestion is the gradual development of refining industrial units within northern Idaho such as sash, door, and general mill-work plants, ponderosa pine and larch plywood and veneer plants, box shook mills, toy blank and novelty plants, establishments for the manufacture of prefabricated houses and other small buildings. Some of these products, at least, can be manufactured in relatively small establishments, requiring only a nominal capital investment. Probably the outstanding example of "doing something about the situation" is the manufacture of Pres-to-log fuel from sawdust by Potlatch Forests Incorporated.

The recent completion of the Grand Coulee Dam and the imminent expansion of its power-development possibilities may encourage the establishment of small remanufacturing units in towns near the source of wood supply. Sandpoint, St. Maries, and Bonners Ferry, all located on transcontinental rail lines, should offer excellent sites for these kinds of plants.

To sum up, northern Idaho is a young territory as far as industrial development is concerned. It has concentrated on the extractive industries of agriculture, lumbering, and mining. So far, this basic economy has served its people moderately well. On the threshold of a sharp curtailment of the pine lumber industry and with uncertain prospects for the cut of other species to fill in the loss, the lumber and forest products industries are due for a broad reorientation. It would appear that northern Idaho's days of "shovelling bauxite into cars" are gradually drawing toward an end. When that day comes, northern Idaho will, perforce, take to the further re-

fining of its roughly manufactured products.

We of the Democracies have, during recent years, felt not once but repeatedly the painful effect of not meeting out national crises promptly and aggressively. Thus the aptness of the phrase, "Too little and too late." To apply to the northern Idaho situation the order should be reversed to, "Too late and too little." The longer we wait to begin to transform northern Idaho's industrial eco-

nomy from the extractive field to the refining field, the smaller the margin of basic forest resource upon which we can adjust. Even refining industries must have some basic raw material to refine. So to keep from being too late to have even a little on which to adjust to a new basic economy, the people of northern Idaho must take prompt steps to develop more and still more remanufacturing forest industries.

Idaho National Forests and the Range Sheep Industry of Southern Idaho

By MONT H. SANDERSON, *Principal Economist,*
Intermountain Forest and Range Experiment Station

A particularly advantageous combination of resources has made possible the high lamb production and the high level of income for which the range sheep operations of southern Idaho are widely known.

The annual production of lamb per ewe averages 47 pounds for the southern Idaho range sheep operations. This is after allowance for retention of ewe lambs for breeding ewe replacement requirements, and takes into account the fact that normally about 20 percent of the ewe bands are yearlings that do not figure in the lamb production. This average annual net production of 47 pounds of lamb per ewe for the southern Idaho range sheep operations compares with a figure of 40 pounds for California, 30 pounds for Montana, 26 pounds for Nevada, 24 pounds for Utah, and 17 pounds for New Mexico. These data are derived from the USDA statistics of lamb crops, lamb weights, and ewe death losses.

The resource combination

There are three distinct types of agricultural resources in the yearlong combination of feeds that make possible this high lamb production of the southern Idaho range sheep operations. These are, first, the large supply of hay, feed grains, and crop aftermath from the irrigated districts; second, the sagebrush-grass ranges of the Snake River Plains that furnish the early grazing and the fall range; and third, the high ranges of the national forests from which substantially all of the range sheep of southern Idaho secure succulent forage during the summer months.

The annual cycle of operations in the use of these feed and forage resources is to feed hay

(supplemented with grain at lambing time in February and March) during the 4 months, December through March, move onto the early grass and weed growth of the Snake River Plains the latter part of March, graze on the national forests from late June to early October, and use the Snake River Plains range and the irrigated crop aftermath feeds in October and November. This interrelationship in the use of these different types of feeds is shown graphically in figure 1. The recent estimate of the sheep population of southern Idaho is approximately 1,500,000 head. Figure 1 shows that about 80 percent of this number use the national forest ranges and the spring and fall ranges of the Snake River Plains (now organized into grazing districts under the Taylor Act). This 80 percent of the total sheep population equals just about 100 percent of the range sheep, since census data¹ show that approximately 20 percent of the sheep of southern Idaho are farm flocks that are maintained yearlong on irrigated farms.

In reading figure 1, it should be noted that the margin between the top of the bar for each month and the 80 percent line shows, for the range sheep operations, the extent of the use of hay, privately owned range, or crop aftermath pasturage. The data available from sheep ranch surveys and management studies for southern Idaho indicate that, excepting the limited use shown on the grazing districts during the months December, January, February, and March, practically all of the winter maintenance is hay feeding. These same sources of information indicate that privately owned spring and fall range adjacent

LEGEND

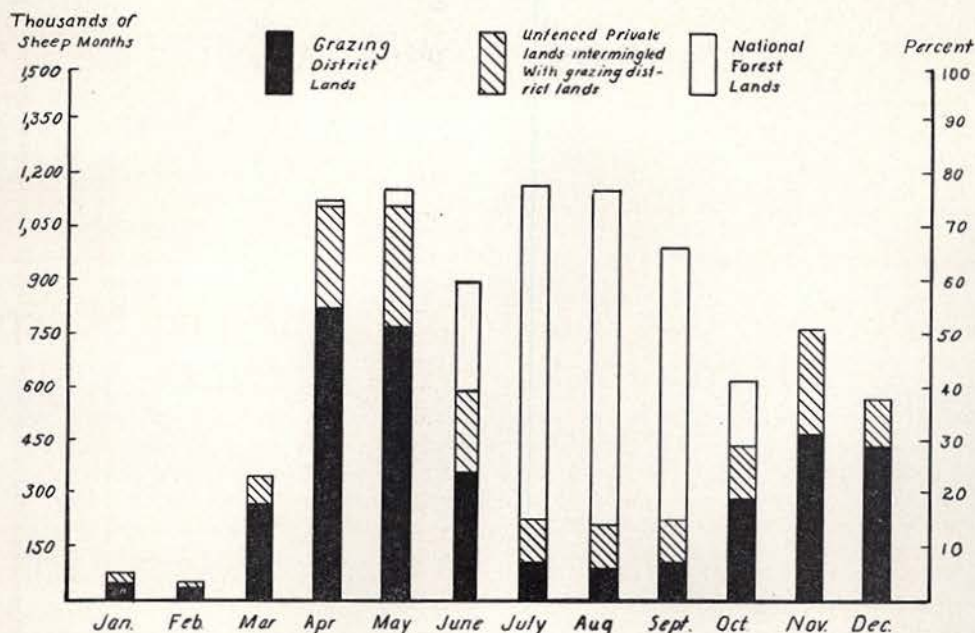


FIG. 1. Sheep months required by sheep population of Idaho* and the amounts furnished by the national forests and grazing districts during each month, 1939.

*Includes only that part of Idaho south of the Salmon River.

to the national forests accounts for the margin between the top of the bar and the 80 percent line for the months June and September, and that irrigated cropland aftermath pasturage is important during the months October and November.

This is a picture of an intimate economic tie between two types of range land, and the farm feeds of the irrigated districts. Much of the hay and the aftermath pasturage used by the range sheep is produced in the crop rotation of the farms, and is purchased and fed on the farms by the range operators. Some of the range sheep operators own and operate sufficient irrigated land to produce all of their winter feed, but this is generally in combination with cash crop production.

Forest range as the "key resource"

Practically all of the range adapted to summer sheep grazing in southern Idaho is in national forests, and consequently the amount of the forest grazing resource is the limiting factor in successful range sheep operations. The availability of hay for winter feeding is not a limiting factor since the hay requirement of the present sheep population of southern Idaho does not exceed 25 percent of

the present hay production of the irrigated farming districts. And the cheatgrass (*Bromus tectorum*) and weed growth of the Snake River Plains will, in a majority of years, provide ample early spring range and some fall grazing for present sheep numbers. This is to say that the sheep ranges of the national forests are the "key resource" in the resource combination, and the ability of these operations to market fat lambs from the range in July and August, as is now the usual practice, rests upon the management and sustained productivity of the national forest ranges.

As can be seen from this characterization of southern Idaho range sheep operations, the forest range is used as a "finishing range" for the production of market lambs. The lambs are 2 to 3 months of age when they go into the forest range, and the percentage that go to feedlots for finishing when they come off the forest range is usually low. This use of high mountain summer range for early market lamb production requires ample green forage for rapid gains by the lambs, and the indications are that the good production economy of moderate stocking is particularly applicable to this type of range use. These mountain

ranges will produce the highest income for sheep operations when the number of ewes and lambs grazed is such as will permit rapid gains of all lambs to a weight of 85 to 95 pounds—the weight generally considered desirable for lambs finished on the range. A heavy use of the range is likely to result in 50 percent or more of the lambs going as feeders, and this means \$1.00 to \$2.00 less income per ewe.

A management relationship

The conservation and management of the national forest grazing resource is necessarily associated with the management and use of the spring and fall range of the Snake River Plains. It is the judgement of many range technicians that a management program for these spring and fall ranges of the grazing districts could restore much more of the original bunchgrass types to these lands, par-

ticularly the Sandberg blue grass (*Poa secunda*), and could introduce certain species, such as bulbous blue grass (*Poa bulbosa*) and crested wheatgrass (*Agropyron cristatum*), that would be more dependable than the introduced species that now prevail. If this is possible, these ranges would afford much more fall grazing than is now available from the dry cheatgrass and weed growth. This increase in the September and October grazing capacity of the Snake River Plains range would permit some shortening of the present fall grazing season of the national forest ranges; that is, of the September and early October grazing after the lambs have been marketed. This adjustment should result in a considerable increase in the ability of the forest ranges to produce adequate feed during July and August, the time when the mountain range forage growth is best suited to use as a finishing range for market lambs.



Southern Idaho national forests provide the "finishing ranges" for early market lambs.

Dr. Ernest E. Hubert

It will be of interest to former students of Dr. Hubert to know that he has accepted a position as a member of the research staff of

I. F. Laucks, Inc., manufacturing chemists, of Seattle. Dr. Hubert will devote himself to problems of wood preservation and wood utilization.

The Development of Farm Forestry in Idaho

By ROYALE K. PIERSON '33, *Extension Forester,*
State of Idaho

In an article appearing in the 1933 Idaho Forester, Stanley C. Clarke, at that time Idaho Extension Forester, described in some detail certain phases of farm forestry actively promoted by the Extension Forestry project since its inception in 1927. Without duplicating some of the material in Clarke's article, it seems worthwhile to chronicle the highlights in the development of farm forestry in Idaho and to enumerate a few of the past accomplishments in this field which form the background of present day practices. No attempt will be made to provide proper documentation because of space limitations. Instead, the material will be presented as a brief resume of the field beginning prior to the period covered by Clarke and continuing down to the present time. Farm forestry work done outside the formal extension project will also be included.

Just as the beginnings of most lines of human endeavor can be traced back to the first presence of man in a particular area, so can farm forestry in Idaho be identified with its earliest settlers. The first Mormons pioneering in the upper Cache, Little Malad and Goose Creek valleys in southeastern Idaho, brought with them cuttings and seeds of many midwestern hardwoods. Not only were they intent on finding security in the soil but they also provided for their future comfort and protection in the rigorous climate and for a supply of hardwood in a country not endowed with such natural sources. The real value of these early day plantings and their contribution to the development of farm forestry will be brought out later.

With the passage of the Timber Culture Act in 1873, many northern Idaho settlers "proved up" on their homesteads by planting a part of their land to forest trees. Remnants of the old timber cultures are still visible today in parts of the Palouse Prairie and in the vicinity of Grangeville. Aside from providing some protection for the farmstead and a small amount of fuelwood, the short-lived trees planted in the timber cultures did not contribute much to the farm economy. After the act was repealed in 1891, tree planting on Idaho prairie farms declined to some extent although many farmers made early spring trips to the canyons and hills for fir and spruce of transplanting size. To "go after a

load of firs" was a common farm expression when one wished to plant an evergreen wind-break or beautify his farmstead.

The Timber and Stone Act and the increasing area of cut-over lands available for settlement brought large numbers of settlers into northern Idaho forests. The residual stands after logging together with the young second-growth, assisted materially in establishing agriculture in a land that at one time had borne unbroken stands which seemed almost endless. A few far sighted settlers preserved some of the virgin growth where it occupied rough lands or infertile soils. Others cleared without regard to soil or topography and in later years were forced to depend on neighboring woodlands for fuel and building materials. Today, some of the best examples of managed farm woodlands are found in the advanced second-growth areas and where the partially-cut virgin forest has developed into uneven-aged selection stands.

The rapid development of irrigation projects in southern Idaho at the turn of the century created a new demand for farm trees. Cuttings of rapidly growing Lombardy, Carolina and Balm of Gilead poplars were shipped in by the carload to provide quick shade for the sunburned settlers. Some planted their trees in rows for farmstead and field windbreaks while a few secured seedlings of black locust and other hardwoods in quantity for planting in small woodlots. The easily-planted poplars served their purpose well. They shot up quickly and cast welcome shade for the hard-working pioneers. They interrupted the continuity of a landscape unfriendly in its sameness, and they added a homey aspect to the new farms. In later years farmers discovered that the aggressive, wide-spreading poplar roots invaded adjacent cultivated fields and depleted soil nutrients to the extent that heavy applications of fertilizers were needed to restore the soil productivity after the poplars had been removed. It was found that the moisture-loving poplars were wasteful of water, and water in an irrigated country is costly. New, deep-rooted, moisture-conserving trees adapted to the dry atmosphere were needed for farm planting to replace the poplars as they are removed and to produce wood products for the farm operation.

In 1909, when Dr. C. H. Shattuck was placed in charge of the newly created Department of Forestry at the University of Idaho, farm forestry was given a decided stimulus. According to Dr. Shattuck, one of the main lines of work of the new department was the growing of forest and shade trees on an experimental basis. Also, it was anticipated that a study would be made of the trees already planted in the state to determine which species were best adapted for various purposes. The University Arboretum, started in 1910, was to contribute information of this nature and a nursery was established to provide suitable planting stock for distribution among the citizens of the state.



FIG. 1. Over-stocked, unmanaged farm woodland typical of many second growth areas in northern Idaho.

The first nursery tree list was issued in 1913 with a provision limiting the number of trees a person might apply for to 300. Careful records were maintained of the stock distributed in 1913, 1914, and 1915 by Dr. Shattuck and the information thus secured formed the basis for planting recommendations in later years. Of equal value were his observations on the adaptability and growth of trees planted by the early settlers out of which developed the widespread promotion of black locust as an ideal farm woodlot tree on irrigated land.

During the years following the entrance of the University into the farm forestry field a series of worthwhile contributions were made by various staff members of the Department of Forestry. In 1918, Dr. Shattuck and I. W. Cook summarized the early experience gained from numerous trial plantings in all parts of the state and published the results in a bulletin entitled "Trees—What,

Where, How and When to Plant." Also included was the available information on culture and a set of recommendations that has changed little down to the present time.

Although several staff members were interested to some extent in farm woodland management and occasionally assisted nearby woodland owners with technical information on improved practices, the first major contribution to this field was made by Behre. In 1920 he became interested in the thrifty second-growth ponderosa pine stands that fringe the Palouse prairie country and established a series of 85 yield plots throughout northern Idaho. The yield data compiled from this study were brought together in a School



FIG. 2. Intensely managed second growth farm woodland in northern Idaho properly thinned and pruned.

of Forestry Bulletin published in 1928 under the title of "Preliminary Yield Tables for Second Growth Western Yellow Pine." The bulletin was written for and directed principally to the small woodland owner and included an example of application on a 160 acre farm woodland. Present recommendations on the management of second growth ponderosa pine farm woodlands are largely based on Behre's work.

While the foregoing work was in progress in northern Idaho, interest in narrowleaf cottonwood occurring along a number of southern Idaho streams culminated in a growth and yield study in 1925. A party of School of Forestry students led by Professor Harry Nettleton carried out the study along Big Wood river in the vicinity of Hailey. Local interest in utilizing cottonwood was stimulated, even to the point of an editorial appearing in a Hailey paper. Results of the study were reported in the 1926 Idaho Fores-

ter and have since provided the basic data for recommended practices in managing narrowleaf cottonwood stands.

Formal extension work began in 1927 soon after the state of Idaho qualified for cooperative funds under Sections 4 and 5 of the Clarke-McNary Law. While the new Extension Forester, A. M. Sowder, began his work with an already well-developed fund of farm forestry information, there were several very pertinent questions as yet unanswered. Most important and pressing of these was the effect of windbreaks on field crops. Half of Sowder's time was devoted to Agricultural Experiment Station work for the first two years and it was during this time that he set up an investigation in Twin Falls county to determine what effect tree windbreaks might have on adjacent crops. In general his results parallel those of a much earlier study carried out in Nebraska, a study, incidentally, upon which Dr. Shattuck relied heavily when formulating recommendations fifteen years previously. Although Sowder's results were not published, his conclusions and recommendations well filled the need for information of this type.

Almost simultaneously with the carrying out of the windbreak investigation, the School of Forestry completed a study of black locust woodlots in southern Idaho. Thus, a well developed background of the basic information on farm forestry was now available to the people of the state. Several smaller loop holes still remained, however, where additional information was needed. What trees to plant at the higher elevations in Idaho was partially answered by a series of experimental plantings at Conda. Dry-land shelterbelt planting was assisted by an experimental planting at the University's substitution farm at Teton. The relative tolerance of various forest tree species to alkali soils was examined cooperatively in Canyon county by several departments of the College of Agriculture. Aside from a minor study of practical farm preservatives for increasing the durability of fence posts, no further investigative work in farm forestry was taken after 1931.

With a reasonably adequate basis of farm forestry facts available, the field continued to progress through the depression years. The University nursery gradually took on the aspects of a forest nursery as more and more ornamental stock was removed. An increase in the propagation of forest planting stock gradually replaced the ornamentals and

slowly the true value of farm plantings was beginning to be reflected in the demand for stock. Numerous changes were made in the administration of the nursery to speed up the distribution of trees by truck delivery, to provide a higher quality of planting stock originating from seed of local sources and to increase the number of species available in order to meet the requirements of all parts of the state.

Until 1935, the University was the only public agency actively promoting farm forestry in Idaho. With the passage of the Soil Conservation Act, the United States Department of Agriculture through the Soil Conservation Service included farm tree planting as a part of their program of soil erosion control. Foresters were employed on demonstration and camp areas to plan and supervise tree planting and to develop management plans for farm woodlands. In 1936, the Agricultural Adjustment Administration included several forestry practices in its Agricultural Conservation Program. These practices were somewhat broadened in succeeding years and assisted in encouraging the adoption of farm forestry practices through benefit payments.

The Norris-Doxey Law which first made its appearance in 1935 as the Norris-Jones Law, was passed in 1937 and became known as the Cooperative Farm Forestry Act. Funds were appropriated in 1939 and Idaho immediately qualified for the nursery and extension phases. The distribution of nursery stock by the Clarke-McNary nursery was increased and an additional half-time extension forester was employed to assist in carrying on an expanded program. Later, the state qualified for Norris-Doxey funds for the establishment of a cooperative farm forestry project to be administered by the Soil Conservation Service. Kootenai county in northern Idaho was selected for the project area due to its proximity to favorable forest products markets and its large area of farm woodlands. The project plans and objectives were developed cooperatively by the several forestry agencies represented in the county. The initial work on the project was started in 1941 and in one year, a substantial list of farmers were cooperating. For each cooperating farm, a woodland management plan was prepared and integrated with a conservation farm plan in order to realize the fullest utilization of the farm woodlands.

It must be reiterated again that the fore-

going statements set forth only the highlights of the development of farm forestry in Idaho. Partiality is probably shown to the work carried on by the University since the writer is more familiar with that phase of the development than any other. It would be

gratifying, however, to the hopes and expectations of the early University workers and others, if they could travel across the state today and witness the many thousands of farm tree plantings to which their efforts have contributed so much.

Forestry Summer Camp, 1941

By RICHARD J. CAMPANA '43

In no small way is the high standard of the Forestry School at the University of Idaho due to the summer training period offered as part of its curriculum. This summer camp, only recently established, is among the best in the country serving to introduce the student to the forest. Here at the termination of the sophomore year the potential guardians of our timberlands and the great outdoors have an excellent opportunity to integrate classroom theory with actual conditions. This phase of the forestry curriculum is in reality the gem of the forestry training program; and with it is gleaned a wholesome knowledge and understanding not only of the forestry profession, but also of men and nature. Needless to say in an environment of this type, recreation, health, and good fellowship flourish together. There is none who would deny he had the time of his life throughout the summer, and everyone will cherish friendships never to be forgotten.

When final examinations were ended early in June, twenty-six enthusiastic sophomores hastily packed lock, stock, and barrel, and trekked via thumb two hundred miles south to McCall. There upon the University grounds on the east shore of Lake Payette everybody pitched camp. Losing no time, student-elected Vern Ravenscroft, camp manager and our "dictator," immediately set a smooth, efficient co-op system operating. Professor Wohletz and Mr. Reidesel began promptly at 8:00 A.M. to operate, and in no time we were in the field—squinting, squatting, and cursing over precision instruments.

With the able assistance of Carl Wilson, alias "Carlos Wilsonstein," a commissary of the fifty-seven varieties was set up. The group having decided to buy a boat, our dictator temporarily purchased the good ship "Wurletz," as good a tin scow as there was for miles around. How the lads could cut through the waves when women were sighted on the starboard bow.

Someone in McCall died of tick fever, so when Wohletz himself was bitten by one of

these parasites, we began to think about a new instructor in about two weeks. Of course, Wohletz decided to wait around for a week or so to see if his tick was real, but finally he tore into town one day, when no one was around, of course, and took some shots. After crippling his good arm with injections, Wohletz decided we should clear the sage brush flat for a ball field. With grunts and groans, one by one, the tough plants were torn from the ground to pave the way for our stadium. Since we expected Wohletz to "kick the bucket," nothing could have been more appropriate than to name it "Wurletz Stadium."

As surveying progressed, it was uncanny the way the level of the lake rose and fell from day to day. One party insisted they needed the boat to find a section corner. Lyngstad tried to stop a lawn mower on the golf course with a steel tape; Wilson and Hayward blazed a two-mile trail down the peninsula, leaving abneys, jackets, and chaining pins all the way; and Wilson and Ellingson forsook surveying to go for a ride around the lake with two girls, plane table, alidade, and all along.

When the holiday season rolled in, an adventurous party of five, Dillon, Arneson, Sauselen, Hayward and Paine, prepared to conquer the wilds of Buckhorn Lake and to scale the precipitous height of Old Nick Mountain. Having packed everything but the kitchen sink, the hardy lads could barely walk under their burdens.

On the Sunday of that week end Roger, Bunker, and Peter did a good job of patrolling the waterfront and wound up with about eight girls and a cottage full of provisions. After helping the girls close up the camp, the boys returned home laden with fruit, cookies, and hot dogs. Some haul, but leave it up to the foresters.

After the final exam in surveying, on an invitation from the Girl Scouts, the whole camp went over to entertain them with

(Continued on page 27)



1. What's wrong, Lefty?
2. Future diner deluxe at Summer Camp.
3. Result of weekend dissipation. Jim Girard.
4. Superman Guernsey "jerking" 180 lbs.
5. "Bag-eyed" tent No. 7.
6. McMillan shooting a blonde.
7. D.B.H. of a tree for a change.
8. The daily argument.

Graduating Seniors

BURTON W. AKINS, *Production*

John Rogers High School, Spokane, Wash.; Idaho Foresters (1,2,3,4); Wrestling (1,2,3); Minor I Club (2,3); Summer Experience: 6 seasons, Potlatch Forests, Inc.; 1 season, Timber Marker, Coeur d'Alene Nat'l Forest; 1 season, U. of I. Forestry Summer Camp and Firefighter, Payette Nat'l Forest.

WILLIAM T. BARIBEAU, *Range Management*

Enderlin High School, Enderlin, North Dakota; St. John's Univ. (1,2); Idaho Foresters (3,4,5,6); Tau Mem Aleph (4,5); Newman Club (3,4,5,6); Idaho Forester (5); Photography Editor (5); Summer Experience: 1 season, F. S. Nursery; 1 season, Forest Technician; 1 season, Junior Foreman; 1 season, Great Plains Experiment Station; 1 season, Jr. Silviculturist, Great Plains Field Station.

BURTON O. CLARK, *Production*

Santa Barbara High School, Santa Barbara, Calif.; Idaho Foresters (2,3,4); Alpha Phi Chi (4); Varsity Tennis (2,3,4); Summer Experience: 1 season, Lookout, Los Padres Nat'l Forest; 1 season, trail crew, Los Padres Nat'l Forest; 1 season, Blister Rust Control (checker), Stanislaw, Eldorado, and Sisku Nat'l Forests; 1 season, U. of I. Forestry Summer Camp.

PAUL W. EASTERBROOK, *Production*

Arcadia High School, Arcadia, Nebraska; Idaho Foresters (2,3,4); Vice Pres. (3,4); Forester (2,3,4); Advertising Mgr. (3); Business Mgr. (4); Argonaut Distribution Mgr. (4); Forester's Glee Club (3,4); Forester's Band (4); Summer Experience: 1 season, Fireguard, Idaho Nat'l Forest; 1 season, U. of I. Forestry Summer Camp.

EDWARD J. ERICKSON, *Production*

Waukau, Wis.; Oshkosh State High School; Oshkosh State Teacher's College; Idaho Foresters (2,3,4); Forester (3,4); Forester's Band (3,4); Summer Experience: 1 season, U. of I. Forestry Camp and Firefighter, Payette Nat'l Forest; 1 season, Park Ranger, Craters of the Moon Nat'l Monument.

PHILIP C. HABIB, *Production*

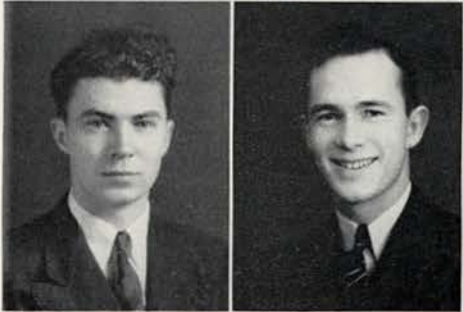
Brooklyn, N. Y.; New Utrecht High School; Idaho Foresters (1,2,3,4); Forester (1,2,3,4); Editor (4); Phi Eta Sigma (1); Xi Sigma Pi (3,4); Alpha Theta Delta; School of Forestry Honor Plaque (1,2); Summer Experience: 1 season, Blister Rust Control, St. Joe Nat'l Forest; 1 season, U. of I. Forestry Summer Camp; 1 season, Lookout, Payette Nat'l Forest.

ROBERT L. HOBBA, *Production*

Lewis and Clark High School, Spokane, Wash.; Idaho Foresters (2,3,4) U. of I. Band (1,2); Summer Experience: 1 season, Shipping Clerk, F.S. Machine Shop; 1 season, U. of I. Forestry Summer Camp and Lookout, Payette Nat'l Forest.

DIXON W. JONES, *Production*

Pitman High School, Pitman, New Jersey; Summer Experience: 1 season, Blister Rust Control; 1 season, U. of I. Forestry Summer Camp; 1 season, Forest Guard, Payette Nat'l Forest.



ROY C. KUEHNER, Range Management

Wheatland High School, Wheatland, Wyo.; U. of Wyo. (1,2); Idaho Foresters (3,4,5); Forester (3,4), Bus. Mgr. (4); Xi Sigma Pi (4,5), Forester (5); Forester's Band (4,5); Delta Tau Delta.
Summer Experience: 1 season, Timber Survey, Roosevelt Nat'l Forest; 1 season, U. of I. Summer Camp and Blister Rust Control; 1 season, Truck driver, Bureau of Entomology and Plant Quarantine; 1 season, Range Survey, Bridger Nat'l Forest.

ROBERT H. KLIEWER, Production

Bonnors Ferry High School, Bonnors Ferry, Idaho; Idaho Foresters (2,4); Forester (4); Xi Sigma Pi (5); Blue Key (5); Scabbard and Blade (4,5).
Summer Experience: 7 seasons, Blister Rust Control (Camp Foreman), St. Joe Nat'l Forest; 1 season, U. of I. Forestry Summer Camp, student manager.



AL E. KYTONEN, Range Management

New Leipzig High School, New Leipzig, N. Dakota; School of Forestry (Jr. College), Bottineau, N. Dakota (1,2).
Summer Experience: 1 season, Clerical and Wildlife Work, Mig. Waterfowl Refuge, N. Dakota; 1 season, Nurseryman, N. Dakota State Tree Nursery; 1 season, Blister Rust Control, St. Joe Nat'l Forest; 1 season, Lookout, Coeur d'Alene Nat'l Forest; 1 season, Temp. Appointee, Glacier Nat'l Park.

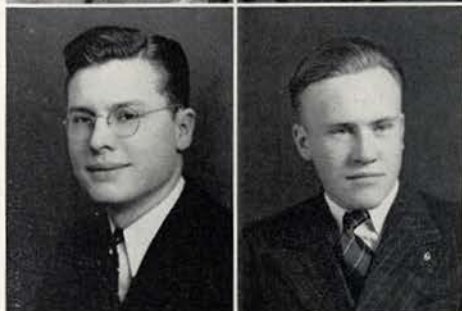


GEORGE E. LAFFERTY, Production

Weiser High School, Weiser, Idaho; Idaho Foresters (3,4), Pres. (4); Forester (3); Xi Sigma Pi (4).
Summer Experience: 2 seasons, Emergency Fireguard; 2 seasons, Lookout-Fireman; 1 season Fire Crew; 1 season Ranger Alternate, all in Idaho Nat'l Forest.

WAYNE R. LUTZ, Range Management

Melrose High School, Melrose, Wis.; Idaho Foresters (4); Alpha Phi Chi (3,4).
Summer Experience: 1 season, U. of I. Forestry Summer Camp and firefighting, Payette Nat'l Forest.



DAVID E. MALSED, Range Management

Palouse High School, Palouse, Wash.;
Summer Experience: 1 season U. of I. Forestry Summer Camp.

WILLIAM W. McMILLAN, Range Management

Springfield, Mo., Dome High School; Southwestern Mo. State Teacher's College; Idaho Foresters (3,4); Foresters Glee Club (3,4).
Summer Experience: 1 season, Coeur d'Alene Nat'l Forest; 1 season, U. of I. Forestry Summer Camp and Idaho Nat'l Forest.



FINLEY H. McNAUGHTON, Production

Chicago, Ill.; Lindblom Technical High School; Idaho Foresters (1,2,3,4), Senior Class Representative; Forester (3,4), Advertising Mgr. (4); Glee Club (3); Campus Club Pres. (4).
Summer Experience: 1 season, Fireguard, Idaho Nat'l Forest; 1 season, U. of I. Forestry Summer Camp.

EDWARD L. NOBLE, Range Management

Santa Barbara High School, Santa Barbara, Calif.; Idaho Foresters (1,2,3,4); Xi Sigma Pi (3,4), Associate Forester (4).
Summer Experience: 2 seasons, Fireguard, Coeur d'Alene Nat'l Forest; 1 season, C.T.P.A. Grazing Expt.; 1 season, U. of I. Forestry Summer Camp.



TERRY C. PAYNE, Range Management

Coeur d'Alene High School, Coeur d'Alene, Idaho; Idaho Foresters (1,2,3,4), Sec. (4); Forester (1,2,3,4), Photography Editor (3,4).
Summer Experience: 3 seasons, Brush Disposal, Coeur d'Alene Nat'l Forest; 1 season, Timber Marking, Coeur d'Alene Nat'l Forest; 1 season, Range Survey, Malheur Nat'l Forest; 1 season, U. of I. Forestry Summer Camp.

W. LYLE PRICE, Range Management

Twin Falls High School, Twin Falls, Idaho; Brigham Young Univ. (1); U. of I. Southern Branch (2,3); Idaho Foresters (2,3,4,5), Sec. (4); Forester (4,5), Circulation Mgr. (5); Foresters Glee Club (4).
Summer Experience: 1 season, U. of I. Forestry Summer Camp and firefighter, Payette Nat'l Forest; 1 season, Range Survey, Malheur Nat'l Forest.

HAROLD L. SAASTAD, Range Management

Sawyer High School, Sawyer, N. Dakota; U. of N. Dakota (1); Idaho Foresters (3,4).
Summer Experience: 1 season, U. of I. Forestry Summer Camp and Blister Rust Control; 1 season, Recreational Guard, Nevada Nat'l Forest.

HENRY A. SCHULTZ, Range Management

Blackfoot High School, Blackfoot, Idaho; U. of I. Southern Branch (1,2); Idaho Foresters (1,2,3,4).
Summer Experience: 2 seasons, Deschutes Nat'l Forest; 1 season, U. of I. Forestry Summer Camp.

EDWARD C. SLUSHER, Production

Lexington, Mo., Dover High School, Dover, Mo.; Central Missouri State Teacher's College (1); Idaho Foresters (2,3,4,5); Xi Sigma Pi (4,5), Ranger (5); Forester's Glee Club (4,5); Forester's Band (4,5).
Summer Experience: 2 seasons, Blister Rust, Kaniksu Nat'l Forest; 1 season, Headquarters Guard, St. Joe Nat'l Forest.

A. WARD SMITH, Production

Rhineland High School, Rhineland, Wis.; Idaho Foresters (4); Phi Eta Sigma; Xi Sigma Pi (3,4), Sec. (4).
Summer Experience: 2 seasons, Rhineland Paper Co.; 1 season, Potlatch Forests, Inc.; 1 season, U. of I. Forestry Summer Camp.

ROY A. SUOMINEN, Production

Montreal, Wis.; Idaho Foresters (1,2,3,4).
Summer Experience: U. of I. Forestry Summer Camp; 1 season, Wisconsin Wildlife and Conservation Commission.

SHERMAN D. TOWN, Range Management

Moscow High School, Moscow, Idaho; Idaho Foresters (4).
Summer Experience: 1 season, P.T.P.A. Range Survey; 1 season, U. of I. Forestry Summer Camp and Firefighter, Payette Nat'l Forest.

HAL A. WATSON, Range Management

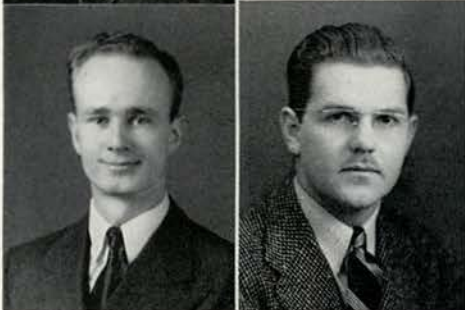
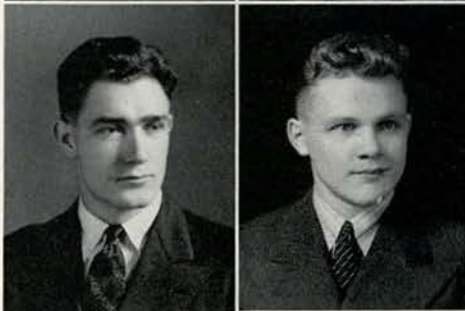
Pocatello High School, Pocatello, Idaho; U. of I. Southern Branch (1,2); Idaho Foresters (1,2,3,4).
Summer Experience: 1 season, U. of I. Forestry Summer Camp and Emergency Fire Fighter, Payette Nat'l Forest.

VINCENT S. YODER, Production

Glendale High School, Glendale, Calif.; Idaho Foresters (2,3,4); Forester (4); News Editor (4); Xi Sigma Pi (3,4).
Summer Experience: 1 season, U. of I. Forestry Summer Camp; 1 season, Marker, Ohio Match Co., and Contact Man, Coeur d'Alene Nat'l Forest.

IRA JACOBSON, Wood Utilization

Saunders Technical High School, Yonkers, N. Y.; Idaho Foresters (1,2,3,4,5); Forester (5); Debate (1,2); Univ. Singers (3).
Summer Experience: 1 season, Blister Rust Control, St. Joe Nat'l Forest; 1 season, Deception Creek Experiment Station.



Juniors

- ARNESON, LAWRENCE N., *Production*
Kellogg, Idaho
- BIGGS, ROBERT E., *Production*
Dobbins, Calif.
- BURLISON, VERNON H., *Range Management*
Fruita, Colo.
- CAMPANA, Richard J., *Production*
Everett, Mass.
- CLAUS, CARL, JR., *Production*
Crete, Nebr.
- DILLON, FRANCIS H., *Production*
Methuen, Mass.
- ENGLER, GEORGE N., *Range Management*
Yakima, Wash.
- ENGSTROM, LOUIS A., *Range Management*
Laramie, Wyo.
- FARRIS, STANLEY J., *Range Management*
Washington, D. C.
- GREENFIEDR, SAMUEL F., *Range Management*
Caldwell, Idaho
- GUERNSEY, ROGER L., *Production*
Princeton, Idaho
- LYNGSTAD, JOHN O., *Production*
Bismarek, N. Dak.
- O'CONNOR, GERALD W., *Production*
Chicago, Ill.
- PAINE, LEE A., *Production*
Chicago, Ill.
- PETERMAN, NELSE W., *Range Management*
Meeteetse, Wyo.
- RANDALL, WARREN R., *Production*
Watertown, S. Dak.
- RIGDON, MELVIN L., *Production*
Stillwater, Okla.
- SAUSELEN, HENRY G., *Range Management*
Newark, N. J.
- SPENCER, MARSHALL E., *Production*
Filer, Idaho
- STILLINGER, JOHN R., *Wood Utilization*
Moscow, Idaho
- THOMSON, HAROLD K., *Production*
Emporia, Kansas
- WILSON, DAVID G., *Range Management*
Spokane, Wash.
- ZIELINSKI, EDWARD C., *Wood Utilization*
Schenectady, N. Y.

Sophomores

- BARNETT, STEELE, *Production*
Tulsa, Okla.
- FERRIS, ROBERT J., *Production*
New York City
- HERRON, JOHN, JR., *Production*
San Diego, Calif.
- HODDER, RICHARD L., *Range Management*
St. Belmont, Mass.
- HOELKE, ROY H., *Production*
West Allis, Wis.
- HORN, FRED W., *Production*
Milwaukee, Wis.
- HYDER, DONALD N., *Range Management*
Buhl, Idaho
- KOCH, CHRISTIAN B., *Wood Utilization*
Challis, Idaho
- KRIER, JOHN P., *Production*
Lakewood, N. J.
- LANG, WILLIAM E., *Wood Utilization*
Milwaukee, Wis.
- LAYOS, GEORGE J., *Range Management*
Rock Springs, Wyo.
- PAYNE, JOHN C., *Production*
Creston, B. C.
- ST. CLAIR, RICHARD C., *Wood Utilization*
Prince Rupert, B. C.
- TAYLOR, ROY C., *Wood Utilization*
Portland, Ore.
- WALKLEY, ROBERT B., *Production*
South Sloean, B. C.
- WEDDLE, ARTHUR J., *Production*
Los Angeles, Calif.

Freshmen

- BRISLAIN, DONAL W.
E. Chicago, Ind.
- ERLICK, ABRAHAM
Bronx, N. Y.
- FALLS, WILLARD
Nine Mile Falls, Wash.
- HARDENBURG, HENRY B.
Linden, N. J.
- HAUPT, HAROLD F.
Spokane, Wash.
- HAZELBAKER, DON L.
Grangeville, Idaho
- HRIBAR, ALBERT F.
Cleveland, Ohio
- HUNGERFORD, CHARLES R.
Moscow, Idaho
- JONAS, HENRY F.
St. Anthony, Idaho
- JONES, EUGENE R.
Alliance, Neb.
- JOSLYN, GORDON E.
South Royalton, Vt.
- KALK, GORDON F.
Sandpoint, Idaho
- KASPEREK, EDWARD L.
Chicago, Ill.
- KELSO, RONALD R.
Kimball, Neb.
- KILLOUGH, DONALD T.
Cincinnati, Ohio
- LEE, GEORGE E.
La Crosse, Wash.
- McGINNESS, KENNETH T.
Rawlins, Wyo.
- MATTOX, JAMES E.
Grangeville, Idaho
- POSTERICK, RICHARD B.
Livingston, Mont.
- REEVES, JOHN W.
Chicago, Ill.
- RILEY, DONALD M.
Kalispell, Mont.
- SCHUTTE, JACK E.
Spokane, Wash.
- SEABERG, DAVID R.
Downes Grove, Ill.
- SIDANCE, JOHN R.
Chicago, Ill.
- SPIKER, ROBERT G.
Lewiston, Idaho
- ZORB, GORDON L.
Cincinnati, Ohio

Graduate Students

By ROBERT H. KIEWER '42

LOREN K. BAKER, Grangeville, Idaho; B.S. (For.), Univ. of Idaho, 1940. Loren, or "Bake", is here at Idaho doing his second year's graduate work on a root rot disease of western white pine. Last summer he conducted a disease study for the U.S. Forest Service. In addition to his studies, he can often be found stepping to the bright lights for a bit of social entertainment wherein the spice of life is found. But Time and the U.S. Army will change all that.

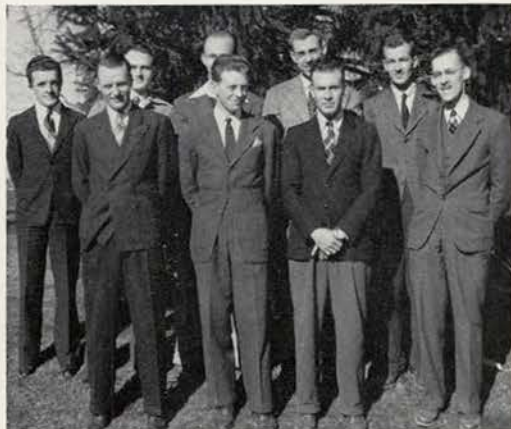
RICHARD T. BINGHAM, Mountain Lakes, New Jersey; B.S. (For.), Univ. of Idaho, 1940. Dick is an expert color photographer, as can be attested by all Forestry Club members who witnessed his ability at the graduate student-sponsored meeting of the Idaho Foresters. This aptitude is particularly helpful in his research studies on secondary fungi on blister rust cankers. For him, too, June will bring an M.S. (For.) and a bugled reveille in place of the clang of a bull cook's triangle.

J. PERSHING BLAISDELL, Malad, Idaho; B.S., Utah State Agr. College, 1939. Pershing, who married previous to last September, finished work on his master thesis in February and departed to accept a position at the Intermountain Forest and Range Experiment station at Ogden, Utah. His work here, in which he had the assistance of Edward Noble and Gene Payne during the summer, was concerned with the relation of grazing to white pine reproduction, fire hazard, and erosion on the lands of the Clearwater Timber Protective Association. He was the fourth to work on this project with an Association Fellowship.

THOMAS J. CRONEY, Superior, Wyoming; B.S. (For.), Univ. of Idaho, 1940. Tom is aiming at a major in forest management and a minor in range management. Before returning to school in February of this year, he spent some time working as camp clerk for Potlatch Forests, Inc., and as a dispatcher on the Lolo National Forest.

JAMES E. KING, Hartington, Nebraska; B.S. (For.), Utah State Agr. College, 1941. Jim is working in conjunction with the Soil Conservation Service at Pullman on seed germination and the overcoming of seed dormancy. He is rather quiet, but a prince of a fellow. He spent last summer working on the Payette National Forest.

W. WAYNE LOW, Yakima, Washington; B.S. (Chem.), Washington State College, 1940. Wayne spends his time in the wood conversion laboratory working on the formula for a water soluble polysaccharide obtained from western larch. His work in the laboratory may come to a sudden halt due to the Army's demands upon his services. He is a Potlatch Forests Fellow.



Left to right—Payne, Croney, King, Seale, Baker, Patton, Low, Bingham, Slipp.

ROBERT F. PATTON, Long Beach, California; B.S. (For.), Univ. of Michigan, 1940. Bob is finishing the second year of his work in pathology on the study of a brown cubical heart rot of western red cedar. Last summer he worked for the Indian Service cruising timber in Oregon. His future for the next few years has been decided, although Uncle Sam has deferred him from military service until June. He is a University Fellow.

GENE F. PAYNE, Columbus, Montana; B.S. (For.), Univ. of Idaho, 1941. Since Gene left school, he has been on timber survey and with the Soil Conservation Service. Since returning to Idaho he has been continuing work on the grazing project of the Clearwater Timber Protective Association started by Gilbert Doll, and carried on by Grant Harris and Pershing Blaisdell. Gene's extracurricular activities are somewhat limited now since his marriage last year to Eri Bolick's sister.

ROBERT H. SEALE, Berkeley, California; B.S. (For.), Univ. of California, 1940. Bob, for the second year, is working on the economics of logging production. Much of his spare time away from a pedagogical influence is spent in Spokane where there seems to be a special outside interest.

ALBERT W. SLIPP, St. John, New Brunswick; B.S. (For.), Univ. of New Brunswick, 1930; M.S. (For.), Univ. of Idaho, 1939. "Whiz" spends so much time in the field, the fellows seldom see him, but the boxes of specimens in the path lab are striking evidence of his energy. His research is concerned with the ecology of forest fungi in the white pine region of northern Idaho. Last year he received a research grant from the Northwest Scientific Association and recently this was augmented by a grant-in-aid from the Northwest Regional Council. While relaxing from his doctorate work, Whiz shows his Canadian background by intensively concentrating on Churchill's speeches and by his interest in Canadian affairs.

The Idaho Foresters

By EDWARD C. SLUSHER '42; IRA JACOBSON '42;
VINCENT S. YODER '42; JOHN R. STILLINGER '43;
AND WALTER H. ETTINGER '44

In spite of a decrease in enrollment and the disturbing effects brought about by a world at war the Idaho Foresters have not broken faith with the founder of the organization or the many who have contributed to its progress during the several years of its existence. The club has been very active this

The juniors put on the first smoker of the year, and the club discovered the fellows have rare histrionic talent. They sang, acted, and indulged in general slapstick that was surprisingly good. The highlight of the evening was an hilarious comedy set in the summer camp background. The plot, in



Left to right, front row—Akins, Habib, Seaberg, Lutz, Payne, Spencer, Erickson, Hobba, Baker. Second row—Watson, Ravenscroft, Slusher, Mattox, Wohletz, Price, Guernsey, O'Connor, Hodder. Third row—Kliewer, Lafferty, Kuehner, Zielinski, Killough, Erlick, Joslyn, Easterbrook, Lyngstad, McNaughton, Town. Fourth row—Krier, Borhman, Smith, Kalk, Randall, Hazelbaker, Engler, McGinness, Paine, Miss Chandler, Dillon, Jones, Mitchell, Jonas, Patton, Hyder, Moor.

year, and the meetings were punctuated by heated discussions in which most of the members participated.

The group received a lot of entertainment during the year at both the smokers and the regular meetings. The faculty, with Mr. Wohletz as toastmaster, took over at one of our first social meetings of the year. Dr. White recited some excellent poetry which almost brought the house down; Dr. Proctor, new to the fellows, told some of his experiences before coming to Idaho; Dean Jeffers showed moving pictures taken at summer camp in '41; and, lastly, Mr. Pierson showed us some of the fundamentals of dry-fly fishing.

brief, attempted to describe the actions of a typical day, not excluding the things seen through a transit and the consequent search for amusement out on the lake. Cider and doughnuts helped to sooth the empty, aching sides of everyone after the rollicking good time.

On the cold night of December 12, 1941, all Foresters and friends who had paid their shekels to chairman Terry Paine clambered into an open truck bound for the rink at Kennedy Ford. Fifty some odd half-frozen guys and gals lost little time, after arrival, in getting warmed up on the boards under the watchful eyes of Mr. and Mrs. Jim Pence, their chaperones. As usual, the Fores-

ters showed their versatility and personality; some of them could actually stay on their feet without caulks in the wheels. The refrigerated atmosphere on the way home did not cut down on singing or "other things," and everyone enthusiastically agreed that it was a fine evening.

For the last meeting of the year 1941, the Idaho Foresters met in the "lab" to transact business and toss about the blue ox. We were very fortunate at this meeting in having with us forestry student Dick St. Clair's father, Mr. R. C. St. Clair, of Prince Rupert, who is a district forester in British Columbia. Mr. St. Clair told us of the policies of the Provincial Forest Service and other interesting facts about British Columbia forestry and logging. In addition he discussed the effects of the Reciprocal Trade Agreement on Canadian exports to the United States. After the meeting was formally adjourned many of the fellows stayed around and discussed forestry with Mr. St. Clair, who, at a time when Canada and the United States are more closely united than ever, was most welcome as a guest speaker.

The graduate students really took over after the regular business meeting of the Idaho Foresters on January 19, 1942, the first meeting after Christmas. Bob Patton was in charge of the affair, but everyone took part with equal zest. Dick Bingham gave background and continuity to the evening's entertainment by showing Kodachromes which were the height of pictorial splendor. The group would no more than become fascinated in his colors than some ridiculous interruption would ensue, each time good for a hearty laugh from all. Only too soon the last colored slide was on the screen, and at that moment Loren Baker screamed from the back of the lab to "come

and get it!" That was the best apple pie a la mode with coffee chaser the fellows have had for a while. Yes, the grads there that night, Bob Patton, Dick Bingham, Loren Baker, James King, Pershing Blaisdell, Wayne Low, and Bob Seale, rate high in our mental file of club memories.

This year the Idaho Foresters and the Forestry Club at Washington State College cooperated in putting on the annual banquet, held at Pullman, and the annual ball, held at Moscow. Through the close cooperation of the two clubs both events were well attended by members and guests and thoroughly enjoyed by all. Mr. Roderic Olzendam of the Weyerhaeuser Co. at Tacoma had been scheduled as banquet speaker but was unable to come because of illness. Professor Mackworth of the University of Washington's College of Forestry at Seattle graciously consented to pinch hit and gave a stirring account of the forester's job in a nation at war.

Coming too late in the school year to have much space in this year's Forester are Forestry Week and the Spring Barbecue. Forestry Week plans are well under way and the last week of April will be a bigger one than ever for this year's Foresters. The Barbecue scheduled for the middle of May, is still a long way off, but will be here before we know it. One can bet that this year's Barbecue will be a milestone, for many of the School's men will be at their last big gathering and feed with fellow Foresters this spring at the old Big Meadows Creek CCC camp below Moscow Mountain.

The success of the Idaho Foresters this year was due largely to the loyal devotion and unstinting efforts of president George Lafferty, vice-president Paul Easterbrook, secretary Terry Payne, and treasurer George Engler.

Bull of the Woods

It wouldn't be an IDAHO FORESTER if we didn't give due credit to that paragon of executive ability, Miss Jean Chandler. Jean has given precious time and valuable advice

to the Forester staff and is a "bottleneck breaker" of all stenographic problems. She is an honorary member of the Idaho Foresters and has her pin to prove it.

Faculty

By VINCENT S. YODER '42

DEAN JEFFERS

Many and varied were the activities that occupied Dean Jeffers' time last summer. The Dean's travels included trips to numerous logging operations throughout the state, and in conjunction with these tours he found time to stop at the Deception Creek Experimental Forest and visit Burt Curtis of the Clearwater Timber Protective Association near Headquarters.

The highlight of the summer, says the Dean, was spent on a range reconnaissance trip in the first week of September on the Caribou National Forest with fourteen Forest Service men. The trip was under the direction of Mr. C. E. Favre, '14, Assistant Regional Forester of Region 4. The men traveled by car, but did plenty of walking on various side trips to areas to be investigated. Each day ended with weighty discussion and tall tales 'round the campfire.

Besides two visits of about two weeks each to the summer camp at McCall and his other activities of the summer, including work at the school in collaboration with Professor Wohletz on the new syllabus in Forest Economics and Policy and Administration, Dean Jeffers managed to spend about ten days at home in Moscow catching up on that vacation feeling.

DR. DETERS

Since his arrival in Moscow in the fall of '40, Dr. Merrill E. Deters has been busy teaching forest management, silviculture and fire protection. Dr. Deters' activities before coming to Idaho were comprehensive, including teaching at the University of Minnesota and at Michigan State, as an inspector of forest conditions for the Regional Forester of Region 9, and as Associate Forester for the Soil Conservation Service at Washington, D.C. All in all, his travels have taken him into every major forest region and type in the United States, and into all but three of the states. His experience in the west has included work for the Forest Service in Idaho in the middle 20's.

Offices he has been honored by include National Secretary of Tau Phi Delta and National Forester of Xi Sigma Pi.

Last summer was spent with survey and timber-sale work on the University forest, being interspersed now and then with other travel, making the summer a pleasant mixture of work and play.

DR. EHRLICH

Dr. Ehrlich kept busy last summer in several research projects in forest pathology, one of which was a continuation of studies stream for the largest trout this side of the



Left to right, standing—White, Ehrlich, Wohletz, Young. Seated—Proctor, Deters, Jeffers, Pierson.

of canker development following artificial inoculation of western white pine with blister rust in which the Forest Service and Bureau of Entomology and Plant Quarantine gave their cooperation. He was assisted by Richard Bingham, a graduate student of forest pathology, Richard Stillinger, and Carlos Klein as temporary employees of the Forest Service. In addition he investigated the cause of an unexpected death of pole stands of white pine on the Coeur d'Alene and Kaniksu National Forests in cooperation with the Forest Service, with the assistance of Loren Baker as a temporary employee of the Forest Service.

In August, Dr. Ehrlich took a short vacation trip to Seattle and Victoria. Besides all the other duties of the summer, he and Mrs. Ehrlich found time to move into a home in town after a year and a half as proctor and hostess at the Idaho Club and Willis Sweet Hall.

PROFESSOR PIERSON

The usual extension work in northern Idaho kept Mr. Pierson thoroughly occupied the past summer. Special attention was given to the new Kootenai County Farm Forestry Project. Even though his time is well filled with teaching and the numerous duties of an extension forester, Mr. Pierson is doing some work in the propagation of coniferous seedlings and the place of growth-aiding substances in nursery practice.

Two weeks were spent last summer in fishing the blue waters of Idaho and Canada. The Seven Devils country on the Snake River drew a week's pleasure, and some time later he dipped his line near Kamloops, a fisher's paradise. How big did you say they were, now?

DR. PROCTOR

Dr. Phimister Proctor, Jr., is the newest member of Idaho's forestry faculty, replacing Dr. Stone who left last fall to work for I. F. Laucks, Inc., Seattle. Dr. Proctor was no stranger to the State of Idaho, having attended high school at Lewiston. He next spent two years at Stanford and in 1922 left the learned portals for the business world which held his attention for some twelve years, part of which was spent in the Aleutian islands. Rich indeed were his experiences in the far north country, and a strange place for a forester with not a tree for hundreds of miles. He returned to the States in the late 30's to graduate, and, later, obtain a master's degree at the University of Washington. Two years were spent at Yale for

his doctorate, received in '40. After leaving Yale, Dr. Proctor worked for Du Pont in Delaware on sap stains and light preservation of wood until the fall of '41 when he came to Idaho.

He and Mrs. Proctor spent much of the summer of 1941 in California collecting dendrological specimens for the herbarium. The remainder of the time has been spent in teaching and doing a fine job of rearranging the forestry lab after it was moved to its new site behind the Wood Conversion lab. He is now proctor of the Campus Club.

DR. WHITE

Dr. White's summer was not eventful, but it ranked high in relative worth. Most of the time was spent in research on the constitution and properties of arabogalactan, a potentially useful polysaccharide obtained from larch. The third paper pertaining to these discoveries has just been sent to the Journal of the American Chemical Society. Some time has been spent recently upon a new high-vacuum still which will be useful in specialized types of analyses.

Many week ends found Dr. White on the St. Joe with his fly rod in hand making up-divide, and the opening of the hunting season started him out after his limit of Hun and pheasant, materially aided by his familiar setter, Pete.

PROFESSOR WOHLTZ

The summer camp fellows worked and played under the supervising eye of Professor Wohletz who spent all ten weeks with the boys. It has been under his guidance that the newly constructed log building has been completed for next year's crop of Bunyans. This structure is really a beautiful piece of work, and is to serve as a combined classroom, dining hall, recreation room, and town hall.

After summer camp was over, Mr. Wohletz returned to Moscow to resume work in collaboration with Dean Jeffers on the new syllabus in Forest Economics and Policy and Administration. In his spare time he moved into his newly built house, just within the limits of Snob Hill.

DR. YOUNG

Dr. Young spent a pleasant and fruitful summer last year, most of which was in the field. The first two weeks after school closed he was on a Forest Supervisors' trip to study range conditions in south central Idaho under the direction of Mr. C. E. Favre '14, Assistant Regional Forester in Region Four. In the last week of June he attended the

national AAA range conference held in Idaho. Until journeying to Payette Lakes in the middle of July to assume pedagogical duties for a week, Dr. Young was supervising research in range conditions on the Clearwater and carrying on research on the forage possibilities of Michels' grass in the Palouse region. After a pleasant time with the fellows at camp, he carried on research until September on the effect of overgrazing on plant succession and the physical and chemical composition of the soil. Dr. Young then managed to take a few weeks off until school commenced this fall, fishing near Chatcolet, Avery, and Bovill, and relaxing at home.

DR. STONE

In August, 1941, Dr. Stone left the faculty as assistant professor of forestry to work with I. F. Laucks, Inc., in Seattle. He is investigating the practical application of wood preservatives having fungicidal and dimensional control properties. Dr. Stone visited the school a short while before Christmas, and all of us gave him a warm welcome.

Forestry Summer Camp, 1941

(Continued from page 16)

songs, stories, and talks. Songmaster Spencer, Busher O'Connor, Toehold Stillinger, and Dictator Ravenscroft displayed their respective talents very well.

Dr. Young arrived the next day with an elaborate schedule for our Forest Communities course, and we began a new phase of study. We studied hydroseres, xeroseres, old burns, new burns, overgrazing, undergrazing, denuded areas, Alpine meadows, and cattle. Never in such a short time did we cover more ground and become exposed to such an array of different forest conditions.

The winding up of this course called for a celebration also, and the Girl Scout counselors were invited to our new half-built log cabin to dance. Not discouraged by a rough, wavy floor, and with the aid of several radios, we danced and danced and danced. The stars glittering through the huge pines above presented a striking picture of rare beauty, and everyone hated to say goodnight.

Mensuration succeeded Forest Communities, and finally Wohletz rubbed his hands in glee as he proceeded promptly at 8:00 A.M. to deliver his instructions. With the aid of his inimitable gestures, he really kept the boys awake during lectures. Now we

were measuring diameters, heights, distances, and cubic volume of trees. Soon we were constructing tables and even estimating volume per acre of the timber itself. The mensuration proceeded all right until it came time to cruise the Peninsula; then our trouble began. Someone lost a contour, and for three days several parties failed to find it. Finally, someone discovered a wrong elevation had been used, and with much growling we changed one map after another.

Toward the close of the summer session things began to happen fast. We played a ball game with the Nazarene College and were beaten by not too large a score. The N.Y.A. boys, however, we trounced soundly in a hilarious game even though our side was handicapped by Wohletz as umpire. Our songsters, dramatists, and chief bull slingers conducted an entertainment for the Y.M.C.A. camp. The whole forestry school faculty dropped in for a few days; and President Dale himself visited us.

By popular demand it was decided to hold a dance at Lakeview; so will all the wolves in camp having been given the green light, everyone rounded up every girl for miles around. With a borrowed nickelodeon, Mrs. Herman's best cookies, and more girls than we could handle, we wound up with a very enjoyable and successful swingaroo.

The final Sunday was the culmination of the session and appropriately called for a banquet at which we had several guests. There's one we should mention in particular, Jim Girard's father, an expert cruiser and mensurationist. Some of the fellows invited girl friends, and as Mr. Girard expressed it, "As cruisers, you made a good beginning." With several brief commendations Dean Jeffers lauded the success of summer camp and thanked everyone for the excellent spirit of cooperation. Wohletz, Ravenscroft, and Guernsey, were deemed especially worthy of mention in the excellent manner and success of their leadership.

On the morn of the 19th of August, having taken our mensuration final, we proceeded to tear down camp, and by 3:00 P.M. the task was completed. One by one the fellows began to depart in the direction of their fourteen respective state until only the Dean and a few others were left. Stillinger closed the season officially the next morning about 3:00 A.M. when he walked all over the Dean and Carl Wilson while looking for a spare blanket in the supply tent.

Xi Sigma Pi

By ROGER L. GUERNSEY '43



Left to right—Lafferty, Baker, Smith, Wohletz, Bingham, Spencer, Slusher, Patton, Habib, Blaisdell, Kuehner, Noble, Guernsey, Kliever, Young.

At the time of installation in 1920, Epsilon chapter had five active members which has increased at the present time to twenty-six. The aims of the fraternity are: to promote high scholarship in forest education, to work for the upbuilding of the forestry profession, and to further fraternal relations among the workers in the field of forestry.

Activities of Idaho's Epsilon chapter of Xi Sigma Pi were initiated by President Dale at an early assembly in which he presented announcements to the individual class winners in forestry for highest scholarship in 1940-1941. Those so honored are to have their names engraved on the bronze plaque affixed by the Chapter on the third floor of Morrill Hall. The outstanding men are Edwin J. Jankowski, senior; Wilfred C. Stevens, junior; Nelse W. Petermann, sophomore; and Isaac L. Moore, freshman. Last spring the Chapter's annual award of Junior membership due in the Society of American Foresters for the outstanding senior went to Carlos Klein, and was announced at the annual Foresters' banquet on May 3, 1941. Again this year the Chapter maintained its Christmas tradition of placing a lighted tree on the balcony of Morrill Hall.

On November 12, 1941, the peavey-toter pledges were initiated at the old CCC camp on Big Meadow Creek north of Troy. Those who prepared the steak feed and weathered the storm were Richard T. Bingham and Loren K. Baker, graduate students; Robert H. Kliever and George E. Lafferty, seniors; and Marshall E. Spencer, John R. Stillinger, Nelse W. Petermann, and Roger L. Guernsey, juniors. Upon introduction to the Brotherhood's history, the neophytes were proud to learn that Doctor Merrill E. Deters was Xi Sigma Pi's National Forester.

Officers for the year were Roy C. Kuehner, Forester; Edward L. Noble, Associate Forester; A. Ward Smith, Secretary-Fiscal Agent; and Edward C. Slusher, Ranger.

FACULTY

Dr. Merrill E. Deters	Dr. Phimister J. Proctor, Jr.
Dr. John Ehrlich	Dr. Elwood V. White
Dean D. S. Jeffers	Prof. Ernest Wohletz
Prof. Royale K. Pierson	Dr. Vernon A. Young

GRADUATE STUDENTS

Loren K. Baker	Robert F. Patton
Richard T. Bingham	Robert H. Seale
J. Pershing Blaisdell	Albert W. Slipp

UNDERGRADUATE STUDENTS

Roger L. Guernsey	Nelse W. Petermann
Philip C. Habib	Edward C. Slusher
Robert H. Kliever	A. Ward Smith
Roy C. Kuehner	Marshall E. Spencer
George E. Lafferty	John R. Stillinger
Edward L. Noble	Vincent S. Yoder

Field Trips

DENDROLOGY—Frank Dillon '43.

The dendrology class in the spring of 1941 went on its first all day field trip to Laird Park in the St. Joe National Forest. The morning was spent studying various species of western trees in their native habitat. Immediately after lunch a game of softball was played between the Greeks and the Independents with Dr. C. D. Stone as umpire. The final score proved insignificant as far as the Independents were concerned, but all present enjoyed the highly contested battle.

RANGE MANAGEMENT—Gerald O'Connor '43.

"*Crysothamnus nauseosus*" was the cry of some thirty-odd Idaho Juniors as they tumbled out of the Foresters' red Dodge truck on their first field trip to the Rimrock ranch country near Lewiston, Idaho, the purpose of the trip being to introduce the fundamental principles of a range survey as well as to note the effects of overgrazing on range land as compared to properly managed range land. The first of three stops was made near the top of the Lewiston grade where the square-foot-density method was used in determining the density of a plot of blue bunch wheat grass. Dr. Young then gave a short history of the immediate range land pointing out the serious effects of overgrazing. The trip was concluded with a short visit to the Rimrock Ranch itself.

Friday afternoon, October 24, 1941, was the day scheduled for the trip to Dusty, Washington, but due to inclemental weather in the fertile Palouse prairie a stop was made soon after leaving Pullman, Washington, where the class observed how the agricultural and the grazing regions dovetailed together. The only known virgin grass land left in the Palouse was visited, and the soil was found to be completely covered with many desirable bunch and sod grasses, efficient in preventing erosion. Dr. Young lectured on how valuable this virgin area was for grazing purposes and how the surrounding area was being eroded by improper land management. A cold damp fog appeared out of the west and chased the gang back to the truck for home.

The final trip of the semester preceded Thanksgiving day, which, of course, left the class enrollment slightly depleted. An interesting study of the causes and effects of soil erosion was studied near Troy, Idaho. The class observed how small gullies developed into larger ones, lowered the water table, and

wasted valuable plant nutrients. The trip included a visit to Dr. Young's own experimental plots where studies concerning the morphological characteristics of hybrid Michels' grass are being conducted, and a visit to an eroded area where an attempt at control by reseeding is being conducted by the Soil Conservation Service.

SEEDING AND PLANTING—Lyle Price '42.

Professor Pierson's seeders and planters topped the school in regard to field trips. Five separate trips were taken with the first one on April 2, 1941, to the School Forest on Moscow Mountain, where Ponderosa pine seedlings were planted.

In the middle of April, a trip was taken to Bottjer's farm where a four acre shelterbelt strip was planted with drought-resistant species.

The major trip of the semester, on April 20 and 21, was to the Savenac Nursery near Haugan, Montana. Large scale nursery practice with all the latest equipment was observed in actual use. A baseball and a basketball game were played with the local C.C.C. camp, the C's coming out on top.

The end of April found the class in the field again, this time to a white pine planting operation conducted by the C.C.C. camp near Bovill, Idaho. This was followed by a short visit to the Pullman Grass Nursery on May 14. All operations and machinery practices were observed on this, the final trip of the season.

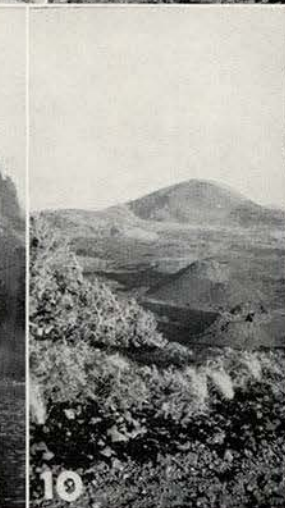
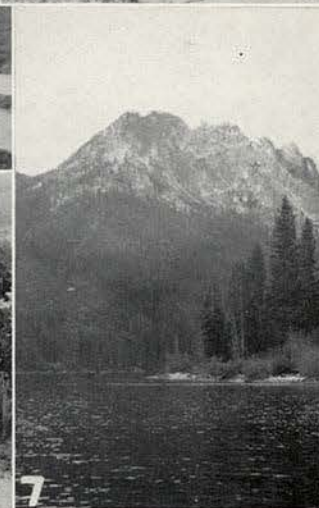
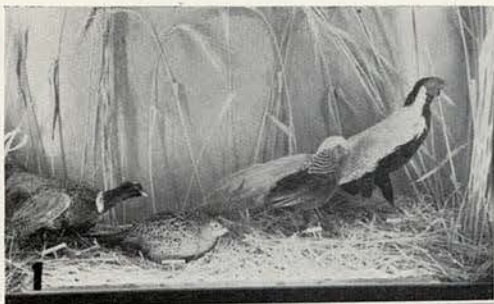
FOREST PATHOLOGY—James Girard '43.

On May 10, 1941, Dr. Ehrlich and the forest pathology class went on a field trip to the Blister Rust Control Headquarters, located a few miles from Pierce, Idaho. Here the class studied the life cycle and habits of the blister rust fungus and the many others infecting trees in this area. Thanks are certainly due to Messrs. Heinrich and Faulkner for the splendid supper and breakfast and the overnight quarters.

SILVICULTURE—Finley McNaughton '42.

In the latter part of April, Dr. Deter's silviculture boys spent a day at the Deception Creek Experimental Forest where Charles Wellner '33, conducted the class in a tour of the area. Over half a dozen different projects were inspected under the speedy pace and loquacious atmosphere of Mr. Wellner after a detailed and instructive discussion of the ac-

(Turn to page 32)



1. Dr. Young's pride and joy.
2. Range class over-grazing an area.
3. The boys actually look interested—imagine, "work."
4. Result of "Injun Joe's" sneaking technique—antelope.
5. Habib sleeping in class for a change.
6. Halloween on the Miner's lawn, Tsk, Tsk.
7. "Fish Lake."
8. Mother Nature, cloaked in winter garments—Mt. Spokane.
9. Dr. Young chased him four miles to get this shot.
10. "Cones"—Craters of the Moon.



1. Big Game Hunters (game bird census).
2. Game classes at Lapwai Game Farm.
3. Top of Mt. Spokane.
4. Seedlings and foresters at Savenac.
5. One for four—not so good.

6. "Injun Joe"! Ain't you scared?
7. Just born and still wet.
8. Wohletz the statuesque.
9. A couple of hicks from the sticks.
10. Noble working, Engler dozing.

complishments and goals of the Forest had been explained. All the fellows thanked him sincerely for the day's schooling, for they all felt that this was a trip that was exceedingly well planned and executed.

YELLOWSTONE GAME TRIP—
William Baribeau '42.

The big trip of the year was taken by Dr. Young's game management class in May, 1941. "Yellowstone and return, or bust" was the slogan of the trip which lasted ten days. Thirty-four students led by Dr. Young and Dr. Deters piled into six cars and headed for the North Entrance of the park. Forestry students from the University of Montana entertained the Idaho delegation during their brief stay that night in Missoula. The group arrived at the North gateway the following day, and a tour of the park was undertaken at once. Many interesting game birds and animals were studied, including several Canadian Honkers and two faun antelope.

Everyone took part in the various camp duties and many a "Back Seat" cook was discovered. Although the bears raided several pots of beans and stewed fruit, everyone seemed to get enough to eat at dinner time.

The group broke up near the end of the trip, with Dr. Deters leaving for Moscow with the production men, and the range men continuing on to Dubois to visit the Range Experimental Station.

LOGGING—Burton Akins '42.

Loggers enrolled in Dean Jeffers' Forestry 133 roughed their way out to the Potlatch Forest, Inc., Camp 36 near Harvard, Idaho, on October 2, 1941. Fifteen students made the trip, and in the opinion of the workers and students, the Idaho boys showed real ability while dining with the hungry men. The trip helped to show the boys a modern logging procedure in the white pine type.

SENIOR RANGE TRIP—Terry Payne '42.

In the latter part of September, the seniors in range management took their annual fall field trip. The group left by truck for the R. Beal ranch, located near Central Ferry, Washington. En route several stops were made to observe different range conditions and range forage types. Practice plots were laid out to enable the class to learn the fundamental principles of density studies in relation to range surveys. Visual observations were made, then checked by the cutting method. Before making camp for the night, a stop was made at the home ranch to look at some select

Hereford cattle which were in the feed lot being fattened for shipment to market.

The second day, each crew was assigned an area for quantitative survey. Field data and mapping information was collected for later use in classroom computations. Part of the area surveyed had been burned during the preceding summer, which enabled the size of the grass clumps and the rapid recovery of range grasses to be seen. Before making the return trip the water development and ranch improvements were inspected.

WOOD INDUSTRIES—Edward Zelinski '43.

The Lewiston mill of Potlatch Forests, Inc., was the site chosen for the first wood industries trip on February 13, 1942. The various phases of milling from log to green chain were studied. A second trip was taken on March 5 to the same place where studies were made of kiln-drying, planing, storing, and shipping. The Presto-Log plant was in the tour, as well. The twelve students, under the supervision of Dr. Proctor, were all grateful for the splendid information and guidance that Harold White, '26, gave them on both trips.

GAME MANAGEMENT—Edward Erickson '42.

In early October the game management class went with Dr. Young to the refuge between Moscow and Pullman where a census was made. All species of game birds flushed were counted out loudly as an evidence of their discovery.

Later in the month the class accompanied Harry Palmer, Moscow game warden, and Paul Cole, chairman of the Wildlife Committee, to the refuge about one mile north of Joel. Although 160 birds had been planted there a year ago, only 15 pheasants and 9 Huns were seen. Paul Cole explained the technique of trapping birds at the feeders in order to determine game concentrations and for transplanting purposes.

On November 14 the game class cooperated with the Latah Wildlife Federation and Harry Palmer in taking a census of the game in the Potlatch refuge. The class spread out and walked down through the western end of the refuge from the sawmill in Potlatch to the bridge at Kennedy Ford. On this representative section the following tally was made: 89 cock and 125 hen pheasants, 4 ruffed grouse, 1 beaver, and several thousand ducks, mostly mallards. Game was unusually abundant in this excellent refuge, no doubt partly due to the effect of an open hunting season forcing the birds into the protected area.

(Turn to page 34)

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They next went on a trip to the Lapwai Game Farm east of Lewiston and there learned how pheasants are propagated and distributed to the preserves. Several species of pheasants, ducks, and Canadian honkers were seen as well. After leaving the Game Farm, part of the class returned to Moscow and the rest headed toward the Clearwater National Forest on what was planned as a big game hunt.

The first day's hunt took place out of Bungalow in what seemed to be good elk and goat country. It was Dr. Young's intention to secure a goat head for the School of Forestry, if possible, so he devoted the day in the pursuit of that species. The only game shot that

day was a buck mule deer by Terry Payne. On Sunday, camp was made on Long Creek, two miles above the Cedars Ranger Station. From this base, the hunters went out in small groups and literally combed the country. Week-old game sign was plentiful, but the deer and elk had pulled out due to warm weather and hunters. Harold Saastad stayed out alone that night on Upper Long Creek and shot his deer the next morning. Wayne Lutz bagged another deer the following day in the same general vicinity. All members of the hunting party helped carry the two deer out, but much to the group's regret no more deer were seen, and the score stood at three bucks.

Alumni Directory

1911

Fenn, Lloyd A., Kooskia, Idaho.—County Superintendent of schools.

Lundstrom, Fritzhoff J., 1613 N. Harvard Blvd., Los Angeles, Calif.

Wadsworth, Herbert A., B.S.(Agr.) '10, M.S.(For.) Idaho '11; Corvallis, Ore.—Lieut. Col., U.S. Infantry.

1913

Decker, Arlie D., M.S.(For.) Idaho '17; B. J. Carney and Co., Peyton, Bldg., Spokane, Wash.

Herman, Charles H., 631 W. Jackson, Medford, Ore.—Superintendent, Timber Products Co.

1914

Favre, Clarence E., M.S.(For.) Idaho '15; 2545 Brinker Ave., Ogden, Utah—Assistant Regional Forester, Region IV, Division of Wildlife and Range Management, U.S. Forest Service.

1915

Stevens, Arthur W.

1916

Schofield, William R., 2201 12th Ave., Sacramento, Calif.

1917

Cunningham, Russel N., 1465 N. Cleveland Ave., St. Paul, Minn.—Division of Forest Economics, Lake States Forest Exp. Station.

Malmsten, Harry E., Soil Conservation Service, Lincoln, Nebr.—Assistant Chief, Range Conservation Division.

Miller, Frank H., Salmon, Ida.—District Grazier, Grazing Service. Has three children.

Moody, Virgil C., Clearwater Nat'l Forest, Orofino, Ida.

Yates, Donald H., Norris, Beggs, and Simpson, Inc., Republic Bldg., Seattle, Wash.

1918

1919

Jackson, Tom. Crown Willamette Paper Co., Seaside, Ore.—Logging Superintendent.

Rettig, E. C. Potlatch Forests Inc., Lewiston, Ida.—Assistant General Manager.

Slavin, Otis W. (R.C.) Salmon, Ida.—District Forest Ranger, administration of graz-

ing, timber, fire control and recreation on Salmon Ranger District. One child.

1920

Bedwell, Jesse L. M.S., O.S.C. '24; Ph.D. Yale '32; Box 4137, 630 Post Office Bldg., Portland, Ore.—Pathologist, in charge of Division of Forest Pathology, U.S. Dept. Agriculture.

Staples, Howard W. 113 S. Monroe, Moscow, Ida.—District Manager, Idaho Employment Service.

1921

Drissen, John P., Ft. Hall Indian Reservation, Ft. Hall, Ida.

Munson, Oscar C., 603 E. Eighth St., San Jose, Calif.—Supervising wire chief, Pacific Telegraph and Telephone Co.

Patrie, Carthon R., U.S. Indian Service, 424 Federal Bldg., Spokane, Wash.

1922

Bieler, Paul S. (R.C.), 2354 Taylor Ave., Ogden, Utah.—Sr. Engineering Draftsman, Regional Photographer. Proud of his four children.

Brown, Dr. Frank A., 2831 St. James Place, Pasadena, Calif.—Dentist.

Cochrell, Albert N. (R.C.), Bozeman, Mont.—Forest Supervisor, Gallatin Nat'l Forest.

Farrell, J. W., McCall, Ida.—Forest Supervisor, Idaho Nat'l Forest, administration, management, a sizeable fire suppression job, and other activities. His unflagging interest and enthusiastic support of summer camp is wholeheartedly appreciated.

Higgins, H. W. (R.C.), Elk City, Ida.—District Forest Ranger. Usual variation in work plus a heavy summer fire load.

Miller, William B., Box 308, Silver City, N. Mex.—Associate Range Examiner, U.S. Fish and Wildlife Service. Suffered breakdown in 1931 while in Alaskan service of U.S. Biological Survey.

1923

Daniels, Albert S., Southern Pacific Railroad Co., Houston, Texas.

Ferguson, Ray S., Lolo Nat'l Forest, Missoula, Mont.—District Forest Ranger, Powell

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Gerrard, Paul H., Cleveland, Tenn.—Forest Supervisor, Cherokee Nat'l Forest, general administration and supervision.

Mellick, Harvey A., Nampa, Ida.

Nero, Edward T., Boise Payette Lumber Co., Boise, Ida.

1924

Cossitt, Floyd M., Atlanta, Ga.—U.S. Forest Service, Division of Timber Management.

Parsons, Russel M., Coeur d'Alene, Ida.—Sr. Resident Engineer, Bureau of Highways.

Tonseth, Henry R., Ft. Rock, Ore.—Forest Ranger, Ft. Rock Ranger District, Deschutes Nat'l Forest. Title: Sr. Forest Ranger, general administration of district.

Wheaton, Rodger C. (M.F.). Yale '25; 47 Englewood Road, Longmeadow, Mass.—Sales representative, Lime Material Co., 740 N. Second St., Milwaukee, Wis. Sale and distribution of electrical transmission and distribution equipment, including poles and crossarms, in the New England area.

1925

Cummins, Lewis A., Washakie Nat'l Forest, Lander, Wyo.—Staff Assistant.

Harlan, Paul M., 1329 Clay St., San Francisco, Calif.

Malhotra, Des Raj., c/o Kathua Forest Division, P. O. Kathua, Kashmir State, Punjab, India—Deputy Conservator of Forests.

McLaughlin, Robert P., 628 Canyon Road, Logan, Utah—Associate Professor of Forestry, Utah State Agricultural College. Nothing

unusual except that due to handling dendrology and courses in utilization.

Renshaw, Emera W., 4418 Livingston Ave., Dallas, Texas—Consulting forester for Farm Security Administration covering Texas and Oklahoma. Loaned by U.S. Forest Service to advise the F.S.A. on all forestry matters including farm forestry, utilization, marketing, and shelterbelt planting.

Snow, E. A., Custer, S. Dak.—Forest Supervisor, Harney Nat'l Forest, general administration.

Sowder, A. M., M.S.(For.) Idaho '27; 6316 Second St., N. W., Washington, D. C.—Extension Forester, Lake, central and Western States, U.S. Dept. Agriculture.

Space, Ralph, 440 Hastings Ave., Missoula, Mont.—Fire Inspector of Region One, U.S. Forest Service.

1926

Bolles, Warren H (M.F.) Yale '29; 423 U.S. Court House, Portland, Ore.—Associate Forester at Pacific N.W. Forest Exp. Station. Various jobs at the Exp. Station.

Cruz, Eugenio de la. School of Forestry, Los Banos, Laguna, Philippine Islands, at least before the war.

Field, Walter D., Potlatch Forests, Inc., Headquarters, Idaho.

Gillham, Norman F., address unknown. Would appreciate any information as to his whereabouts.

Pugh, Lawrence R., Russell and Pugh Lumber Co., Harrison, Ida.

Sajor, Valentin (M.F.) Yale '27; Forestry Headquarters, Malaybalay, Bukidnombi—As-

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Douglas-fir

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sistant Chief of Division, Philippine Forest Service.

White, Harold Z., 1113 Tenth St., Lewiston, Ida.—Superintendent of Dry Kilns, Potlatch Forests, Inc.

1927

Baird, J. C., Monte Vista, Colo.—Assistant Forest Supervisor, Rio Grande Nat'l Forest. Range Management.

Beals, Wilfred F., U.S. Forest Service, Snake River Ranger District, Medicine Bow Nat'l Forest, Slater, Colo.—Forest Ranger.

Burroughs, Isaac C., 4709 Broadway, Fountain City, Tenn.

Callendar, William C., Kisatchie Nat'l Forest, Alexandria, La.—Assistant Forest Supervisor.

Godden, Floyd W., Salmon Nat'l Forest, Salmon, Ida.—Forest Supervisor.

Greene, Edwin G., Alaska.

Gustafson, Carl A., 1051 Santa Fe Ave., Albany, Calif.—Division of Fire Control, U.S. Forest Service, San Francisco, Calif.

Johnston, Royal H., 1410 Ninth Ave., Lewiston, Ida.—Potlatch Forests, Inc.

Lansdon, William H., Box 511, Athens, Tenn.—Tennessee Valley Authority.

Lehrbas, Mark M., U.S. Forest Service, Glenn Bldg., Atlanta, Ga.

Phelps, Eugene V., Soil Conservation Service, Carbondale, Ill.

Pike, Galen W., Rhinelander, Wisc.—Forest Supervisor, Nicolet Nat'l Forest, trying to make this forest show a profit until its 100 square miles of plantations start producing pulpwood. Elected Chairman of the Wisconsin-Upper Michigan Section of the Society of American Foresters for 1942. 20% of the membership is working on various committees. A son, Myron Thomas, was born September 1, 1941.

Space, Jackson W., Soil Conservation Service, Santa Fe, N. Mex.—Lost one eye as a result of an auto accident. Wife and I operate a fox farm.

Toole, Arlie W., 403 W. Robinson St., Harrison, Ill.—Forest Supervisor, Shawnee Nat'l Forest, Hdqrs. at Harrisburg, Ill.

Walrath, F. J., Orofino, Idaho.

Williams, Guy V. Drop us a line if you know where Williams is now located.

1928

Anderson, B. A. M.S.(For.), Idaho '28; U.S. Forest Service, Sandpoint, Ida.—Assistant Supervisor, Kaniksu Nat'l Forest.

Biker, John B., 28 Murray Drive, Trail, B. C.—Qualifying for lieut. commission in Royal Canadian Engineers stationed at Officers Training Camp, Western Canada. Still married, the two children, 7a and 13 years old.

Cazier, S. E., Pinedale, Wyo.—District Forest Ranger, Wyoming Nat'l Forest.

Cochran, A. R., M.F., Yale '30; Box 40, Roanoke, Va.—Acting Forest Supervisor, Jefferson Nat'l Forest in S.W. Va., administrative head of Nat'l Forest having five ranger districts with an area of over a million acres. Idaho men are few out here but periodic letters from Idaho bring back poignant memories of Morrill Hall and Moscow Mountain.

Davis, Robert, Trail, B. C., Canada.—Consolidated Mining and Smelting Co.

Ellis, F. G. M.S.(For.), Idaho '39; U.S. Forest Service, Salmon, Ida.—Assistant leader, Idaho Mountain Sheep Survey.

Fox, Charles E., 1728 Oneida St., Denver, Colo.—Am in the division of Personnel Management in Region 2 Headquarters in Denver, Colorado. Had three months detail in Wash., Jan. to March of this year.

Gregory, Charles A., Finland, Minn. Forest Ranger, Isabella Ranger District, Superior Nat'l Forest.

Hatch, A. B., Fish and Wildlife Service, 630 American Bank Bldg., Portland, Ore.—Associate Regional Inspector.

Hoffman, Henry C., M.S.(For.), Idaho '28; McCall, Ida.—Assistant Supervisor, Idaho Nat'l Forest.

Mitchell, William W., 1739 Eye St., Northwest, Apt. 203, Wash., D. C.

Nettleton, Harry I. M.S.(For.), Idaho; 204 N. 25th St., Corvallis, Ore.—Assistant Professor of Forestry, Oregon State College.

Page, M. M., St. Anthony, Ida.—Civil Engineer.

Rowe, Percy B., 331 Giannini Hall, University of California, Berkeley, Calif.—Associate Silviculturist at the California Forest and Range Expt. Station. In charge of water cycle-soils research in the Division of Forest

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Saling, W. M., M.S.(For.), Idaho '29; Soldier Ranger District, Sawtooth Nat'l Forest, Fairfield, Ida.—Forest Ranger.

Spence, Luter E., 1586 Emerson Ave., Salt Lake City, Utah—Is in Director's Office of U.S. Grazing Service located at 401 Walker Bank Bldg., Salt Lake City, Utah. Responsible for soil and moisture conservation program, range surveys, and range studies.

1929

Balch, Alfred P., Kelly, Wyo.—Forest Ranger, Gros Ventre Ranger District, Teton Nat'l Forest.

Bennett, Carey H., 315 S. Amherst, Albuquerque, N. Mex.—U. S. Biological Survey.

Garin, George I. M.S.(For.), Idaho '30—123 Huntington St., New Haven, Conn.—Unemployed at present.

Geneaux, Charles N., M.S.(For.), Idaho '29; Ames, Iowa—Department of Forestry, Iowa State College.

Guernsey, William G., U.S. Forest Service, Dillon, Mont.—Assistant Forest Supervisor, Beaverhead Nat'l Forest. Was a Reserve Officer in Navy, now a Radio operator with Navy at Pearl Harbor. No word except indirectly since war broke out.

Keene, Edward L., Box 596, Hot Springs, Ark.—District Forest Ranger, Jessieville District, Ouachita Nat'l Forest. Timber sales about 50% of the time. Removing four million bd. ft. per year. Gross area of District 349,830 acres—net area 168,535 acres.

Kemp, Paul D. M.S.(For.), Idaho '29; Missoula, Mont.—Division of Forest Surveys, Northern Rocky Mountain Forest and Range Expt. Station.

Kennedy, Fred H., U.S. Forest Service, Great Falls, Mont.—Assistant Forest Supervisor, Lewis and Clark Nat'l Forest. Principal duties: Fire Control, Improvements, Land Use Management, and Timber Management. Two sons, 8 and 5 years old.

Krueger, Otto C., 728 W. Second St., Medford, Ore.—O. & C. Land Administration.

Otter, Floyd L., 221 N. River St., Montesano, Wash.—District Conservationist, in charge of S.C.S. and C.C.C. staff assigned to Montesano-Elma-Oakville Soil Conservation District. Three Children.

Sharp, Andrew G. M.S.(For.), Idaho '29; Lewiston, N.Y.—Superintendent Materials Department, Kimberly-Clark Corp., Niagara Falls, N. Y.

Wendle, Rex, 601 Sheldon Bldg., San Francisco, Calif.—Chief, Field Division, Region Four, Nat'l Park Service.

Wieshugel, Erwin G. M.S.(For.), Idaho '29; Box 196, Norris, Tenn.—Chief, Forest Resources Planning Division, T.V.A. Administration of investigative and advisory services program.

1930

Buckingham, Arthur, Salmon, Ida.—Assistant Forest Supervisor, Salmon Nat'l Forest.

Burton, C. L. M.S.(For.), Idaho '30; Buffalo Creek, Colo.—District Ranger, Pike Nat'l Forest, South Platte Ranger District.

Farmer, Lowell J. M.S.(For.), Idaho '31:

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Antimony, Utah—Forest Ranger, Johns Valley Ranger District, Powell Nat'l Forest.

Harris, Thomas H. M.S.(For.), Idaho '30; 610 Syndicate Bldg., Oakland, Calif.—Forester, Blister Rust Control, Assistant Regional Leader in Blister Rust Control Work in Calif. and Ore.

Klepinger, Franklin W., Rt. 1, Clayton, Ohio.
Krummes, William T., Rt. 2, Alexandria, Va.—U.S. Biological Survey, Wash, D. C.

Langer, Charley J., Stanley, Ida.—District Forest Ranger, Stanley District, Challis Nat'l Forest. Bought himself a walnut grove to retire on in California.

Sargent, Howard J., Hamer, Ida.—Camas Migratory Waterfowl Refuge.

Stanley, Wilfred B., 213 N. Howard St., Moscow, Ida.—Captain, U.S. Army. Instructor R.O.T.C., Univ. of Idaho.

Stowasser, Clarence E., Rt.1, Coeur d'Alene, Ida.

Woodward, Doren E., 600 Weatherly Bldg., Portland, Ore.—Associate Regional Inspector. Inspector for all wildlife restoration work under Pittman-Robertson (Federal Aid) Act in the State of Idaho, and in charge of all land acquisition work (surveys, maps, appraisals, condemnations, etc.) of Region 1.

1931

Bickford, C. A., 1000 Federal Bldg., New Orleans, La.—Silviculturist, fire project leader, Southern Forest Expt. Station.

Brown, Richard I., Williamsville, Mo.—Doniphan Ranger District, Clark Purchase Units, Clark Nat'l Forest.

[37]

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Dittman, Clarence P., 301 S. Fourth St., Greenville, Ill.

Eastman, V. H., 1127 Jefferson St., St. Maries, Ida.—District Forest Ranger, Calder District, St. Joe Nat'l Forest, general administrative work on a ranger district employing about 30 men, who work on fire protection, grazing, timber sales, wildlife management, etc.

Ficke, Herman O., 510 Holter, St., Helena, Mont.—District Ranger, Helena District, Helena Nat'l Forest. Ranger District Administration.

Fritchman, Holt, Emmett, Ida.—District Forest Ranger, West Mountain District, Payette, Nat'l Forest. Administration on several ranger districts.

Gill, Tyler S., Jonesboro, Ill.—District Ranger, Jonesboro District, Shawnee Nat'l Forest.

Hepher, William S., Air Navigation School, Royal Canadian Air Force, Rivers, Manitoba, Canada.

Hill, Edward B., Box 447, Dayton, Wyo.—U.S. Grazing Service, Lander, Wyo.

Hjort, George V., C.C.C. Camp 263, Coolin, Ida.

Hockaday, James M., Council, Ida.—District Forest Ranger, Hornet Ranger District, Weiser Nat'l Forest.

Hume, John F., 419 S. 12, Coeur d'Alene, Ida.—Operating Conoco Oil Service Station at 219 4th St., Coeur d'Alene, Ida.—Furloughed from F.S. in November, 1941.

Jemison, George M., Box 252, Asheville,

N. C.—Forester in charge of Fire Research. Direction of research of fire studies at Appalachian For. Expt. Station. Finished work for Ph.D. degree at Duke Univ. Degree in June, Thesis: "Effect of Fire Wounding on Rate of Growth of Appalachian Hardwoods."

Jeppeson, Marvin S., 847 Washington, Reno, Nev.—Assistant Forest Supervisor, Toiyabe Nat'l Forest.

LeBarron, Russell K., Lake States Forest Exp. Station, University Farm, St. Paul, Minn.—Associate Silviculturist, silvicultural investigation principally for jack pine, black spruce and balsam fir at the Lake States Forest Exp. Station.

Lindsay, Clive J., Hazelton, Ida.—Hazelton Bean Growers' Corp. Warehouse.

Newcomber, Fred R., 2849 Louisiana St., Longview, Wash.—Sr. Eng. Aide (Civil), Airports section in Portland District. First job on arriving there, Oct. 13, was grading plan for runways for an airport 7 miles N. of Coeur d'Alene, Idaho. Reinstated from former status as J.F. which I had held for over five years (1933-39).

Schumaker, Oren F., 60 Mary St., Alexandria, La.—District Forest Ranger, Catahoula Ranger District, Kisatchie Nat'l Forest. All phases of forest administration going on including a wildlife management area and two army camps on the district.

Shank, Paul J., Jackson, Wyo.—Assistant Forest Supervisor, Teton, Nat'l Forest. Three children.

Sierwert, George W., Cedaredge, Colo.—

District Forest Ranger, Lakes District, Grand Mesa Nat'l Forest. Grazing and water use emphasized here because of 200 special use reservoirs on the district.

Sowder, James E., Alturas, Calif.—Modoc Nat'l Forest. In charge of timber management.

1932

Andrews, Milton D., Eleventh, Minn.—Assistant Forester, Superior Nat'l Forest, Nurseryman in charge of Eleventh Forest Nursery. Administration of nursery for Superior Nat'l Forest.

Clarke, Stanley C. M.S.(For.), Idaho '34; P. O. Box 928, Albuquerque, N. Mex.—Soil Conservation Service.

Coonrod, Melvin A., Cascade, Ida.—Forest Ranger, Thunder Mountain District, Payette Nat'l Forest.

Dodd, Jack B., Nat'l Park Service, 712 Spaulding Bldg., Portland, Ore.

Fifield, Charles E., U.S. Forest Service, Delta, Colo.—Range Examiner, assigned to Uncompagre Nat'l Forest.

Johnson, Robert B., Challis, Ida.—Assistant Supervisor, Challis Nat'l Forest.

Makara, Frank R. M.S.(For.), Idaho '32.

Miller, Douglas R., 610 Syndicate Bldg., Oakland, Calif.—Associate Forester, Blister Rust Control. In charge of disease survey and damage study for the Sugar Pine region.

Morganroth, Earl S., Box 969, Pocatello, Ida.—District Forest Ranger, Pocatello District, Caribou Nat'l Forest. Transferred from the Boise Nat'l Forest to the Caribou Nat'l Forest in March, 1941. Helping the U. of I., S.B. Foresters by training them during the summer.

Moss, Virgil D. M.S.(For.), Idaho '33; 618 Realty Bldg., Spokane, Wash.—Research on Ribes ecology and control methods, Office of Blister Rust Control, U.S. Bur. Entom. and Plant Quarantine.

Pechanec, Joseph F., U.S. Forest Service, Dubois, Ida.—Associate Forest ecologist in charge of the Spring-Fall Range Project of the Intermountain Forest and Range Exp. Station. Grazing management, research and research in the ecology of sagebrush-grass type.

Stouffer, David J. M.S.(For.), Idaho '32; Corona, N. Mex.—District Forest Ranger, Gallinas Ranger District, Lincoln Nat'l Forest, Jr. author with Dr. W. H. Long of a short article on a new genus of puffballs.

Swayne, Allen P., Knife River Nursery, Two Harbors, Minn.—Agricultural Aide. Assist on timber sales during winter and supervise nursery work in summer.

Taylor, Cyprian D., Rt. 1, Nelson, British Columbia, Canada.

1933

Ahlskog, Ralph H., Cass Lake, Minn.—Fire and C.C.C. Assistant, Chippewa Nat'l Forest.

Brown, Harold G., 106 Cedar Lane, Bethesda, Md.

Cranston, William V., Rolling Fork, Miss.—District Forest Ranger, Delta Purchase Unit.

Daniels, Kenneth M., Cascade, Ida.—Dis-

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trict Forest Ranger, Long Valley District, Payette Nat'l Forest.

Ensign, William W., Lincoln, Mont.—District Forest Ranger, Lincoln District, Helena Nat'l Forest. A son, William Warren Jr., born September 8, 1941.

Fisher, George M., 1724 S. Tenth St., Council Bluffs, Iowa.—Head Landscape Architect, Univ. of Kansas, Lawrence, Kansas.

Frazer, Hume C., 502 Beechwood Lane, Norberth, Pa.—Assistant Personnel Officer, Eastern Region. Returned to R-7 on October 1, 1941, after three years with the New England Forest Emergency Project and North-eastern Timber Salvage Administration.

James, Corland L., Avery, Ida.—District Forest Ranger, Roundtop District, St. Joe Nat'l Forest. General administration.

Lord, Phillip B., 110 Fairfield Ave., Susanville, Calif.—Associate Forester, Lassen Nat'l Forest. In charge of grazing, wildlife and recreation. One daughter.

Pierson, Royale K. M.S.(For.), Idaho '33; School of Forestry, Moscow, Ida.—State Extension Forester for Idaho and Ass't. Prof. of Forestry—teaching silvics and planting.

Richard, Horace Jr., Rt. 2, Box 275, Bend, Ore.

Wellner, Charles A., Northern Rocky Mtn. Forest Exp. Station, Missoula, Mont.—Assistant Silviculturist, Acting in Charge, Division of Silvicultural Research, Northern Rocky Mountain Forest and Range Exp. Station.

1934

Arthurs, Aubrey J., Neligh, Nebr.—Neligh

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Benson, Rudolph J., Newcastle, Wyo.—Forest Ranger, Elk Mountain Ranger District, Harney Nat'l Forest.

Crawford, Charles R., Sequoia Nat'l Forest, Porterville, Calif.

Frederic, Jack L., 1512 23rd St., Bedford, Ind.—Sr. Conservation Aide, U.S. Forest Service. Acquisition Survey.

Gaffney, William S. M.F., Yale '38; U.S. Forest Service, Choteau, Mont.—District Forest Ranger, Teton District, Lewis and Clark Nat'l Forest. Goose hunting fine. Daughter, Betty Jean, age 3; son, George William, born October 19, 1941.

Hayes, G. Lloyd M.F., Yale '40; Missoula, Mont.—Assistant Forester, forest fire research in topographic distribution of fire danger, principally.

Jay, James W., Hugo Sauer Nursery, Rhineland, Wis.

Kraemer, J. Hugo., School of Forestry, Yale University, New Haven, Conn.—Graduate student working towards Ph. D. degree.

McNair, John J. M.S.(For.), Idaho '34; Longview, Wash.—Pulp Division, Weyerhaeuser Corp.

Newcomb, Lawrence S., U.S. Forest Service, Oden, Ark.—District Forest Ranger, Oden District. Administration of 300,000 acres of Oachita Nat'l Forest. Betty Lynn, daughter, born July 23, 1940.

Opie, Robert S., M.S.(For.), Idaho '37; Box 511, Ephrata, Wash.—Computing and drafting plans and surveys for irrigation of the Columbia Basin.

Parker, John W., Boise, Ida.—Administrative Assistant in charge of fire control, Payette Nat'l Forest.

Redman, Elliot E., Philipsburg, Mont.—Forest Ranger, Philipsburg Ranger District, Deerlodge Nat'l Forest.

Stillwell, Clarence, 517 Harrison Ave., Helena, Mont.

Towns, William L., 316 Glenn Bldg., Atlanta, Ga.—In charge of Land Acquisition, Region IV, and in charge of appraisals, negotiations, and survey of lands being acquired for inclusion in Nat'l Wildlife Refuge in Region IV. Acquired a new son, Roxie W., on my last birthday.

[40]

1935

Albee, Leslie R., 1130 8th St., Rapid City, S. Dak.—Area Range Conservationist, Soil Conservation Service.

Brown, Stewart E., Kaniksu Nat'l Forest, Sandpoint, Ida.

Buchanan, Thomas S., 124 Burnett, Athens, Ga.—Assistant Pathologist with U.S.D.A., Division of Forest Pathology. Investigating the decadence and death of shortleaf pine in the Piedmont. Assembling material for Ph. D. dissertation to present to Yale Univ. in May, 1943.

Davis, Brennen, Neligh Field District, Prairie States Forestry Project, O'Neill, Nebr.

Edwards, Milton B., Box 804, Coeur d'Alene, Ida.—Project Forester, Kootenai Farm Forestry Project, New boy in the family on October 9, 1941.

Fickes, Earl M., U.S. Forest Service, Rapid City, Mich.

Freece, Herbert J., Stanley, Ida.—Forest Ranger, Rapid River Ranger District, Challis Nat'l Forest.

Groom, Jack I., Paisley, Ore.—District Ranger, Paisley Ranger District, Fremont, Nat'l Forest. Son, Jimmie, received a playmate, Jo Anne, on March 31, 1941.

Hultman, Anders B., Camp F-20, Shell Knob, Mo.

Lyons, Ray D., 603 Railroad St., Ironton, Ohio—Acquisition Assistant on Ironton Ranger District, Wayne Purchase Units. Such jobs as: land examination, tract appraisals, tract boundary surveys, etc. Learning local jargon and sports.

McCormick, Henry F., East Towas, Mich.—Assistant Ranger. Timber sales and general management.

Munthe, Bert P., 234 3rd Ave., Two Harbors, Minn.—Jr. Forester at Forest Products Lab., Madison, Wis. Transferred from Camp Nelson, Nelsonville, Ohio, where I was a Camp Superintendent, to the Lab. Married and have two boys aged 2 and 4 years.

Reynolds, Gray D., Targhee Nat'l Forest, St. Anthony, Ida.

Sachs, Dean M., U.S. Grazing Service, Reno, Nev.

Ziminski, Henry V., Box 14, Bena, Minn.—Jr. Forester, U.S. Forest Service, Timber Management activities since 1937.

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1936

Ahrenholz, Frederick W., U.S. Forest Service, Westwood, Calif.

Anderson, Paul L., Box 350, Northport, Wash.—Immigrant Inspector, Immigration and Naturalization Service, Dept. of Justice. Examining persons leaving or entering the U.S. to determine their admissibility or right to depart from the U. S.

Bickford, Richard F., M.F., Mich, '37; 6048 28th N. E., Seattle, Wash.

Brown, Charles G., 8-105 Beverly Plaza Gardens, Alexandria, Va.—Assistant Investigator, Section of Classification, Division of Personnel, Forest Service, Wash., D. C. Investigation and classification of positions in the Forest Service. Transferred from Siuslaw Nat'l Forest in R-6 into Chief's office last June. Married Dorothy L. Johnson of Michigan State, September 20, 1936. Doing graduate work at American Univ. of Public Administration and Agriculture Graduate School.

Carlson, Charles E. M., Division of Blister Rust Control, Plumas Nat'l Forest, Quincy, Calif.

Crawford, Kenneth J., Range Development Service, General Land Office, Dept. of Interior, Portland, Ore.

Fore, Orlando, 857 Hayes, Pocatello, Ida.

Goenne, Frederick W., No address for Goenne. Would appreciate any leads as to his present location.

Hamm, Harley H., U.S. Forest Service, Salem, Mo.—Jr. Forester, Timber Sales As-

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sistant, in charge of timber sales on Salem Ranger District.

Hays, John F., 2040 Reachtree Road, Gleen Bldg., Apt. A-6, Atlanta, Ga.—Classification Officer, Sr. Administrative Assistant. Work involves organizational studies and job analysis of all positions within the Region. Married Jeannette Noel of Hannibal, Mo., October, 1941.

Jensen, Ralph, Monticello, Utah.—U.S. Forest Service, District Forest Ranger, La Sal Nat'l Forest. Administration in Grazing Service and Soil Conservation Service, and activities as range management, construction projects, etc. Spent winter attending Univ. of Calif. at Berkeley working toward M.F. degree in mainly Range Management.

Larson, Leslie L., M.S.(Chem.E.), Idaho '36; 125 N. Durkee, Appleton, Wis.

Lownik, Edward C., Rt. 1, Box 106, Washougal, Wash.

McCarthy, Joseph L., M.S.(Chem.E.), Idaho '36; Dept. of Chemistry and Chemical Engineering, Univ. of Washington, Seattle, Wash.

McKeever, Donald G., M.S.(For.), Idaho '38; Weyerhaeuser Timber Co., Tacoma, Wash.

Nelson, Harvey F., 1519 Rhode Island Ave., N.W., Wash., D.C.—Aeronautical Charts Section, Coast Geodetic Survey, Dept. of Commerce.

Porter, Donald B. Does anyone know where he is? We haven't been able to locate him for some time now.

Quesnel, Clinton, Lemhi, Ida.—Forest

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Ranger, Lemhi Ranger District, Salmon Nat'l Forest.

Roberts, Earl C., Cambridge, Ida.—District Ranger, Weiser Nat'l Forest. Administration of ranger district, timber sales, range management, recreation, wildlife, and fire control.

Robertson, Garnet A., c/o Montgomery Ward & Co., Lewiston, Ida.

Shaw, William H., U.S. Forest Service, Cascade, Ida.

Silverberg, S. B., 1411 Chelmsford St., St. Paul, Minn.—Jr. Pathologist, Firestone Rubber Co. Has a fellowship at Univ. of Minnesota. Studying diseases of rubber trees.

Smith, Russel E., Soil Conservation Service, Moscow, Ida.

Tippets, Vaughan E., Seely Creek Ranger District, Manti Nat'l Forest, Ephraim, Utah.

Turner, George T., Rocky Mountain Forest and Range Expt. Station, Ft. Collins, Colo.—Assistant Range Examiner, Range research. Scratch our heads over range problems of the Great Plains. Married October 11, 1941, to Rita M. Dollison of Julesburg, Colo.

1937

Anderson, E. William, M.S., Oregon State College '40; Soil Conservation Service, Pendleton, Ore.—Area Assistant Range Conservationist. In charge of range conservation activities in the Eastern Oregon Area, all of Oregon east of the Cascade Mountains.

Anell, Arthur B., 736 East Eighth, Moscow, Ida.

Brado, Glenn E., Ketchum, Ida.—U.S. Forest Service. District Forest Ranger. Timber Sale administration, grazing, fire prevention and suppression, improvement work and recreational work for winter sports on Bald Mountain.

Brown, James P., 501 Florence St., Hot Springs Nat'l Forest, Hot Springs, Ark.

Caporaso, Alessio, 15 Young St., Waterbury, Conn.

Chohlis, John G., M.S.(A.H.), O.S.C., '39; Soil Conservation Service, White Salmon, Wash.—Assistant Range Examiner, Range Conservation Planning on Underwood Soil Conservation Service. Assisting ranchers with their conservation plans on grazing lands.

Decker, Ivan C., Aberdeen Field District, Prairie States Forestry Project, Aberdeen, S. D.

Dierken, Richard H., Box 55, Millwood, Wash.

Douglas, John F., Gore Ranger District, Routt Nat'l Forest, Steamboat Springs, Colo.

Galbraith, Marlin C., Box 25, Sweetgrass, Mont.—Immigration Inspector, U.S. Immigration Service.

Gould, Virgil A., Gunnison, Colo.—Wildlife Specialist, Wildlife Research and Management.

Greco, Verne, Luna, N. Mex.—Forest Ranger, Apache Nat'l Forest, Federal and State Timber Sales. Transferred from the New England Forest Emergency Project in December, 1940, to Cibola Nat'l Forest R-3, a technical foreman in C.C.C. Transferred again in September to this Nat'l Forest (Apache) as Forest Ranger on Timber Sales. In September was detailed to the R-3 Rangers' Training School at the Southwest Expt. Station at Fort Valley, Ariz.

Groves, Bruce V., 454 East South Temple, Salt Lake City, Utah—Jr. Forester in charge of Insect Control, Wasatch Nat'l Forest, Salt Lake City, Utah. Organization and supervision of insect control camps totaling 230-250 men during spring and 140 men during fall. During 1940 treated 21,155 infested trees on 39,386 acres. Daughter, Judith Ann, born July 13, 1941.

Hagedorn, Chester L., Castle Creek Ranger District, Nezperce Nat'l Forest, Grangeville, Ida.

Hampf, Frederick E., Rm. 1002, Liberty Nat'l Bank Bldg., Savannah, Ga.—Forest Engineer, making tree growth studies for pulpwood timber cruising, type mapping and land acquisition. Army or marriage, which first?

Higginson, Leland C., Elbert, Colo.—Jr. Range Conservationist, C.C.C. and S.C.S. Making range surveys and helping farmers and ranchers with their conservation plans on the Kiowa Creek and Agate Conservation Districts. Transferred from Mobile Survey, Headquarters Amarillo, Texas, to Camp on July 1.

Johnson, Donald G., 16 Ahrens, Ave., Jamestown, N. Y.

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Johnson, Robert H., M.S. (Wildlife Conservation), Univ. of Maine '39; 91 Court St., Newark, N. J.

Ladle, Joseph W., 91 E. Main St., Ayer, Mass.

March, Maurice W. (Scoop), Box 460, Burley, Ida.—District Grazier, Twin Falls (Idaho No. 2) Grazing District. Preparing initial range management, improvement, fire and land inspection classification under Land Laws. Plans include approximately 5 million acres of Federal, Private, State and County Lands. Girl, Kay Lenore, born April 4, 1941; Boy, 6 years old, starts to school headed for a B.S. in Range Mngt.

March, Richard M., U.S. Forest Service, Glenwood Springs, Colo.

Marshall, Marvin M., Camp F-12, Willow Springs, Mo.—Agricultural Aide, Foreman at C.C.C. Camp F-12. Gathering information and making contacts necessary for establishment of a new grazing allotment. Plan on spending most of first three months of 1941 on forest inventory.

Matthews, Fred W., State Fish and Game Dept., St. Anthony, Ida.

Maul, David C., 74th A.B., Luke Field, Phoenix, Ariz.—P.P.C. Member of Air Force Band. Furloughed for Military Service July 16, 1941, from U.S.D.A., Agricultural Administration, Administrative Jr. Clerk.

McKee, Bill E., Idaho Falls, Ida.—Agricultural Adjustment Admin.

Nadeau, Leon R., 205 Woolley Apts., Pocatello, Ida.—District Grazier, U.S. Dept. of the Interior Grazing Service, Lost River Grazing

District. Conduct business for Grazing Service on 3½ million acres of Federal and Other lands with 650 livestock operators.

Nelson, Talmadge N., c/o U.S. Soil Conservation Service, Spokane, Wash.—Assistant Range Examiner.

Oliver, John P., c/o W. W. Barr, 909 36th Ave., Seattle, Wash.

Parks, Homer W., Boise Payette Lumber Co., McCall, Ida.

Richardson, Kenneth F., Soil Conservation Service, Loomis, Wash.—District Conservationist, Loomis Soil Conservation District. Directing S.C.S. activity in cooperation with other agencies. Two major improvements besides a home are: Carol Lynn, born May 2, 1940, and David Kenneth, born Oct. 7, 1941.

Richelson, Paul N., Burgoyne Hotel, Montpelier, Ida.—Clerk.

Styffe, Hobart H., 67 Ruttan St., Port Arthur, Ontario, Canada.—With the Royal Canadian Air Force, somewhere in Scotland.

Thrupp, Adrian C., M.S. (For.), Idaho '37.

Underwood, Vernon E., Route 5, Walla Walla, Wash.

Ward, Walter M., 4322 Sunnyside Ave., Seattle, Wash.—Traveling employee of the U.S. Civil Service Commission. Married recently to Dorothy Mae Wilkison.

Weyermann, George F., U.S. Forest Service, Missoula, Mont.—Jr. Forester, Assistant Project Superintendent, Student Fire Camp. Administration and management of the Student Camp enrollment in the summer. One son, Roney Allen, born September 29, 1941.

Wheeler, Joe B., 4509 N. E. Hoyt, Portland, Ore.

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Wilson, Thomas I., Box 501, Heppner, Ore.—Jr. Soil Conservationist, Camp form planner by S.C.S. Writing conservation farm plans or cooperative agreements between S.C.S. and farmers. Assisting in conservation problems on the range, crop, and forest lands. Taking photography in color seriously.

Wright, Loren H., 416 S. Market, Springfield, Mo.

Yearsley, Maurice C., Russian John Ranger Station, Ketchum, Ida.—Administrative Fire Guard, Sawtooth Nat'l Forest.

1938

Ahler, Ernest E., Box 12, Lurton, Ark.—Assistant Agricultural Aide (Sp 4) on white oak timber sale. Mark and scale white oak trees, 23,000,000 board feet from 87,000 acres in the Bayou District of the Ozark Nat'l Forest. Probably will be a proud papa by the time you go to press.

Ahlskog, Howard E., 6 Summer St., Keene, N. H.—District Supervisor, Northeastern Timber Salvage Administration. Supervise mill ng sales and fire protection of logs and lumber purchased by the administration.

Anderson, Paul F., 2404 N. 28th St., Boise, Idaho.

Angell, Herbert W., 826 S. Wabash Ave., Chicago, Ill.—Research engineer in wood preservation for American Lumber and Treating Co., Chicago, Ill. Research in treating, seasoning and fireproofing of wood.

Bender, Philip H., Battery C, 248th Coast Artillery, Ft. Worden, Wash.

Booker, Ed., U.S. Grazing Service, Pocatello, Ida.

Briggs, Norman J., McCallum Inspection Co., Norfolk, Va.—Inspector.

Brower, Claude G., C.C.C., Co. 550, Shoshone, Ida.—Educational advisor.

Brown, Clarence W., Northern Rocky Mountain Forest and Range Expt. Station, Missoula, Mont.

Cable, Dwight R., Battery C, 200th Coast Artillery A.A., Fort Stotsenburg, Pampanga, Philippine Islands.—Cable is probably doing his share on Bataan Peninsula.

Campbell, Jesse L., 245 N. Washington, Moscow, Ida.

Clubb, William F., 109 Residence St., Mul-lan, Ida.

Compagnoni, John, 716 Pine St., Medford, Ore.

Doupe, Woodrow W., Private, 333rd School Squadron, Mather Field, Calif.

Elg, Harold C., 331 Lava St., Idaho Falls, Ida.

Evans, Jerome, 2307 Madison, Boise, Ida.—Jr. Administration Assistant, Idaho State Range Examiner for A.A.A. Supervision and administration of A.A.A. Range program in Idaho.

Fitzgerald, William K., Mead, Wash.

Frey, Robert E., 512 S. Fifth, Hamilton, Montana.

Greenway, Gordon H., Emmett, Ida.—Assistant Manager of yard at Boise Payette Lumber Co. Married Taletta Vogel of Moscow, September, 1940.

Hallett, Noel L., Council, Ida.

Harris, Harold L., Ashton, Ida.

Heady, Harold F., N.Y. State College of Forestry, Dept. of Forest Botany, Syracuse, N. Y.

Hungerford, Kenneth E., M.S.(For.), Idaho '40 1019 Sherman St., Boise, Ida.

Kapel, Frank J., 616 S. Hawes, Ft. Collins, Colo.—Assistant Range Research, Colorado Agricultural Experiment Station, Ft. Collins, Colo.—In charge of range resources, surveys conducted by the Station. Still free, white, and getting older.

Kauffman, Lyle R., P.O. Box 446, Soda Springs, Ida.—Range Examiner and Assistant Secretary.

Kehrer, Kenneth, Rt. 2, Boise, Ida.

Kirkpatrick, Robert, Jr., 111 N. Jackson, Moscow, Ida.

Lee, Bruce R., Burley, Ida.—Jr. Range Examiner, Grazing Service. General administrative and office work. Range planning in the Twin Falls Grazing District, No. 2. Married an Illinois girl on October 18, 1941. Still no range like that in Idaho after seeing the ranges of the south and southwest.

Lloyd, William J., Soil Conservation Service, 217 Cedar St., Snohomish, Wash.

Manning, John E., Rt. 2, Boise, Ida.

Meneely, James F., U.S. Forest Service, Orofino, Ida.

Miller, Lionel P., U.S. Grazing Service, Lakeview, Ore.

Mitchell, Walter P., c/o U.S. Forest Service, Quincy, Calif.—Assistant Forester (P-2), Timber sales office. In charge of Clover Valley Lumber Co. Timber Sales, Annual cut 43,000,000 bd. ft.

Nelson, Arthur W., Jr., M.F. Yale, '39; Rt. 2, Box 87A, Meridian, Miss.—Forester, Superintendent of wood procurement, plant defense coordinator for Flintkote Co.

Nermoe, Palmer J., Upham, N. Dak.

Rauback, Robert T., 1115 Fifth St., Oregon City, Ore.—Recently employed as a trainee in Soil Conservation Service, but more recently furloughed.

Rubisch, Kurt O., 1st Platoon, Co. D, 26th Bn., Medical Rep. Training Center, Camp Grant, Ill.

Rutledge, R. H., Chief, U.S. Grazing Service, Salt Lake City, Utah.

Sellers, Victor O., M.S.(For.), Idaho '40; Ahsahka, Ida.—Clerk and pole Inspector. Handle clerical, railroad, and financial matters for B. J. Carney and Co. of Spokane, Wash.; inspect and classify poles; and working on new treating techniques. Married on April 25th to Grace M. Vogt of Caldwell, Ida.

Snyder, Freeman W., 120 S. Fifth Ave., Clarion, Penn.—Assistant Agricultural Aide, Soil Conservation Service. Preparing as a trainee for Jr. Soil Conservationist position by contacting farmers and planning their soil conservation work. Been working as a "G"-man for the Soil Conservation Service since July 5, 1941.

Stevens, Courtenay E., Elmendorf Field, Anchorage, Alaska.

Taylor, Ernest H., A.A.A. Secretary, Dubois, Ida.—Married Aileen Francis '37, on February 11, 1941.

Taylor, William D., P.O. Box 26, Pine Valley, Calif.—District Conservationist, Moreno-Campo-Potrero Soil Conservation District, San Diego County, Calif. Conservation planning. Married Mildred E. Anderson of Redondo Beach, Calif., April 1, 1939.

Thompson, Ernest L., Box 85, McCall, Ida. Now at University studying like the dickens for the J.F.

Tinsley, Selden L., M.S.(For.), Idaho '38; Randolph, Vt.—District Conservationist, Soil Conservation Service. New addition to the family last July, a girl.

Tumelson, Floyd O., 1522 4th St., Coeur d'Alene, Ida.—District Conservationist, Soil Conservation Service. In charge of all S.C.S. activities in Kootenai county. Cooperating with District Supervisors of Kootenai District to develop a program of conservation and wise land use.

Wahl, Joseph D., 707 Caledonia St., Kellogg, Ida.

Walson, Donald W., Soil Conservation Service, Bickleton, Wash.—District Range Examiner.

Wright, Jonathan W., Harvard University, Cambridge, Mass.

1939

Arnason, Allan T., A.A.A. State Office, Delendrecie, Bldg., Fargo, N. Dak.—Range Conservationist, A.A.A. in state of N. Dak. In charge of all range surveys for farmers and

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W. T. MARINEAU, Manager

ranchers participating in the program. Responsible to State Committee for all phases of the range problem. Married a girl from Dickinson, N. Dak., Aug. 2, 1941.

Baldwin, Kenneth C., 4746 16th N. E., Seattle, Wash.—Shipfitter, Helper, and trainee. Layout and assembling of doors and hatches at the "fitters" shop. Been enrolled in the in-service training course.

Ball, Clifford M., 745 S. Third St., Box 442, Pocatello, Ida.

Ball, Vernon C., Box 42, Soda Springs, Ida.—U. S. Naval Reserve. Report to U. S. Naval Academy Jan. 9, 1942, for Reserve Midshipmen's class. Been on leave from Census Bureau, Wash., D. C., since August awaiting call for Navy V-7 training.

Baltruth, Otto, American Lumber and Treating Co., Gainesville, Fla.—General Foreman of our Gainesville Plant. Was in charge of treating department but now my work coordinates the treating department, tie and lumber yard, and the pole yard.

Bohman, Willis A., Troy, Idaho.

Bower, John R., M.S.(Chem.E.), Idaho. '39.

Brigham, Morton R., Rt. 2, Lewiston, Ida.—Engineer, Potlatch Forests Inc. Making estimates of cost of plant improvements, designing conveyors, surveying, ordering equipment, and related duties.

Callaway, George R., 3250 Garfield Ave. S., Apt. 105, Minneapolis, Minn.—Salesman for Winton Lumber Sales Co.

Campbell, Richard L., 7075 Lanewood, Hollywood, Calif.

Caples, James W., Salmon, Ida.—Believe Jim is married now.

Clements, Robert E. Jr., Hdq. 86th Training Brn., Camp Roberts, Calif.—1st Lieut. Infantry, Battalion Supply, 8th Training Bn. Securing supplies and training aides for 1006 men and officers.

Cross, Kenneth J., 1307 Colorado Ave., Grand Junction, Colo.—Jr. Range Examiner, Preparing Range Management Plan for the Grand Mesa Nat'l Forest.

Day, Neil J., Box 123, Mountain Home, Ida.—County Range Examiner, Range surveys, compliance supervision.

Doll, Gilbert B., 224 E. Fifth St., Moscow, Ida.—Assistant Extension Forester, Idaho Agricultural Extension Service. Forestry work with farmers. A son, James Bruce, was added to the family on August 22, 1941.

Ellis, Irwin D., 213 Kany Blvd., Watertown, S. Dak.

Ellis, Francis G., M.S.(For.), Idaho '39; c/o Forest Service, Salmon, Ida.

Fallini, Joe T., Mackay, Idaho.

Fargo, Edwin, Address unknown.

Forbes, Robert H., 5164 Highland View, Los Angeles, Calif.

Fritz, John L., 107 Elm, Kellogg, Idaho.

Garten, Wilbur V., Headquarters, Idaho.

Goldblum, Rudolph, 21st Signal Platoon, Bowman Field, Louisville, Ky.—Drafted and now installing and running communications such as: teletype, telegraph, and radio.

Greer, Morris C., Potlatch, Idaho.—Registered as a Grad. student at Idaho.

Gutzman, Wilson C., 319 Boston, Bldg., Salt Lake City, Utah.—Jr. Range Examiner, soil and moisture conservation operations with Indian Service, Dept. of Interior. Married October, 1941.

Hossfield, Ralph L., M.S.(Chem.E.), Idaho '39.

Hoye, John H., 339 S. Detroit St., Los Angeles, Calif.—Salesman Coca-Cola Bottling Co. of Los Angeles.

Jeffers, Dwight N., Red River Lumber Co., Westwood, Calif.

Johnson, Howard E., Camp 23, Headquarters, Idaho.—Head Timber Marker, Land Dept. for Potlatch Forests, Inc. Timber marking, running, cruising, and office work. Taking Civilian Pilot Training at Lewiston, Ida.

Kiljanczyk, Charles J., 311 Third Ave., Lewiston, Idaho.

Kinnaman, Dale H., 1526 Lake St., Ogden, Utah.

Koppes, Herman M., State Fish and Game Dept., Boise, Idaho.

Leonard, R. Boyd, U.S. Forest Service, Richfield, Idaho—Sr. Agricultural Aide. In charge of Range Survey on the Fishlake Nat'l Forest, Richfield, Utah. Married Virginia Schick of Montpelier, Idaho, on March 22, 1941, in Salt Lake City, Utah.

Lucas, W. J., District Forest Ranger, Bridger Nat'l Forest, Kemmerer, Wyo.—Administration of District. Leaving for selective service training December 2, 1941.

MacGregor, Warren S., c/o Dr. Harold Hibbert, McGill Univ., Montreal, Canada.

Martin, Gerald H., 4031 6th St., Long Beach, Calif.—Patrolman, police work. Police

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work is broadening me in certain uncomplimentary places.

Martin, Jack M., Box 501, Soil Conservation Service, Post, Texas—Work Unit Leader, Sub office of Duck Creek Soil Conservation District doing farm and ranch planning. A son, Valton Niva, born Sept. 18, 1941.

Martin, Ronald G., In the Army.

Mastin, Richard J., Buhl, Idaho. Teaching school at Buhl, married Doris Lacey of Moscow last August.

Miller, Loren E., 153 Sawyer, St., Rochester, N. Y.

Molberg, John M., Battery T. Q., 31st F. A. Bn., Army P. O. No. 7, San Jose, Calif.

Morrow, William J., 504th Parachute Bn., Ft. Benning, Ga.—1st Lieut in parachute Bn. Parachute jumping, demolition and sabotage work. Expect to be married during the Christmas holidays.

Oldson, Harold (Olie), 54 N. Wilson, Pasadena, Calif.—Pedagog of the 5th grade, Burbank City Schools. Attend U. S. C. night school and am secretary of Southern Calif. Idaho Alumni. Not even prospects of marriage. Since been drafted into U. S. armed forces.

Peterson, Art S., Umpsua Falls, C.C.C., Tiller, Ore.—Technical Foreman. Road construction, relocating and timber cruising. Member of U. S. Army Reserves and may return to uniform soon.

Pinnock, John H., c/o Camp Bunyon, Westwood, Calif.—Car checker of Red River Lumber Co. Tallying logs as being loaded on railroad cars at the "Jammer." Near future marriage unless lady in question changes her mind.

Piper, Frank C., Clearwater County A. C. A. c/o County Agent, Orofino, Idaho.

Pitkin, Franklin H., Forest Nursery, School of Forestry, Moscow, Idaho—Finally got married to Virginia Ott of Moscow.

Poulton, Charles E., U.S. Forest Service, Norwood, Calif.

Ritzheimer, Earl, Camp N, Potlatch Forests, Inc., Headquarters, Idaho—Logging foreman. A happy family, a grand baby girl and a dog. Has since been called to the army.

Robertson, Dale F., Parma, Idaho.

Robinette, W. Leslie, Richfield, Utah—Jr. Range Examiner, Wildlife Technician with the Forest Service. Problem of deer on Fishlake Nat'l Forest. Two children, John and Leila.

Shelley, William D., A. C. A., County Agent's Office, Moscow, Idaho.

Singley, J. Andrew, Box 381, Shoshone, Idaho—Jr. Range Examiner, U.S. Grazing Service, District Range Examiner, Wood River Grazing District (Idaho No. 5). Range surveys, studies, administration, and management. Son born Nov. 2, 1941, named Robert Leon. Another born Dec. 5, 1939, named Ronald Gene.

Skar, Rolf G., Box 528, Bottineau, N. Dak.

Slipp, Albert W., M.S.(For.), Idaho '39; School of Forestry, Moscow, Idaho—Pursuing his studies of Blister Rust ecology.

Spinney, Carleton H., 5 Usher Road, West Medford, Mass.

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Springer, Don E., Headquarters, Idaho—Postmaster and manager of drugstore.

Stanton, Edgar W., B.S.(C.E.), Idaho '41; Live Oak, Calif.—Jr. Hydraulic Engineer in the Army at Sacramento, Calif. Married to Jacqueline Davis of Bakersfield, Calif., in February, 1941.

Stephenson, Golden, 903 State Stl., Weiser, Idaho—County Range Examiner for A.A.A. Make grazing plans, recommend improvements and make surveys on ranch lands. One child, 18 months old.

Strawn, Charles C., 436 S. Hayes, Apt. No. 5, Pocatello, Idaho.

Wilson, Carl C., Calif. Forest and Range Exp. Station, Berkeley, Calif.—Carl was ass't instructor at the School of Forestry Summer Camp last summer. Married in December, 1941, to a California girl.

Wilson, Louis R., Murphy, Idaho—Range Examiner, Owyhee County, Agricultural Conservation Association, A.A.A. Field and office work in ranch operation.

Windl, J. Clifton, Forest Service, Pendleton, Ore.—Assistant Range Examiner in charge of Range surveys.

1940

Alley, Jack R., 1235 E. Fremont, Pocatello, Idaho.

Anderson, Earl H., 390 S. Water Ave., Idaho Falls, Idaho.

Baker, Loren K., School of Forestry, Moscow, Idaho—Receiving M.S.(For.) in June.

Beard, Jesse A., 281 Main St., Massena, N. Y.

Bingham, Richard T., School of Forestry, Moscow, Idaho—Receiving M.S.(For.) in June.

Bloom, James A., U.S. Forest Service, Cruiser's Camp, Dayville, Ore.

Boy, Glenn L., Freeman, Wash.—Agent, Foreman, B. R. C. Go on furlough Dec. 1, 1941. General Blister Rust Camp work of eradication of gooseberry and currant bushes.

Call, Elwood, C., 55th F.A. Training Bn., Battery A. Section 3, Camp Roberts, Calif.

Cary, Orville B., U.S. Grazing Service, Burns, Ore.

Clack, James H., 1311 Sherman, Coeur d'Alene, Idaho—Jim is now in Los Angeles, but we do not have his address.

Closer, Forrest H., c/o A.A.A., Blackfoot, Idaho—Range Supervisor, Co-range Examiner. Shooting the B— with range men in three counties: Bonneville, Bannock, and Bingham. Married Nov. 14, 1941, to Hazel I. Humburg of Montpelier, Idaho. May be caught in the draft.

Couch, Joseph Jr., 1727 Church St. N.W., Wash., D. C.—Ass't Firearms Identification Specialist, Tech. Lab., Fed. Bur. Investigation, U. S. Dept. of Justice. Identification of guns and ammunition and examination of Botanical evidence. To be married March 16, 1942, to Miss Mary Ellen Jarboe, of Wash., D. C. At home after March 16 at 2348 Skyland Place, S. E., Wash., D. C.

Crony, Thomas J., University of Idaho, School of Forestry, Moscow, Idaho—Doing graduate work in Forest Management.

Currier, Wilbur F., Left for the Army in January. Was married to Selma Anderson last summer.

Curtis, Floyd C., U.S. Forest Service, Sisters, Ore.

Dahmen, Harold J., 1115 S. Harrison St., Moscow, Idaho—Still Logging with the Dahmen logging outfit.

Deshler, William O., 1881 S. W. 11th Ave., Portland, Ore.

Douglas, Donovan L., U.S. Forest Service, Cascade, Idaho.

Edwards, Douglas F., Rt. 2, Moscow, Idaho.

Epperson, Paul L., A. A. Training Detachment, Oxnard, Calif.—Air Corps Supervisor in primary training school. 2nd Lieut., Engineering and supply officer. Give Aviation cadets progress and final flying checks. Still waiting for one to trip me.

Folsom, Lewis L., 208 W. Bannock, Boise, Idaho.

Frazier, Robert A., 1630 Rhode Island Ave., N. W., Wash., D. C.—With F. B. I. He and Joe Couch seem to stick pretty close together.

Frizzie, Bernard, Somerset, Texas.

Galbraith, Allen W., Ft. Belknap Agency, Harlem, Mont.—Jr. Range Examiner. Range survey, drafting, and management plans.

George, Ferdinand, 1412 Washington St., Boise, Idaho—Jr. Observer in Meteorology for the U.S. Weather Bureau. Take hourly and six-hourly weather observations, Radiosonde observations, pilot balloon observations, and drawing synoptic weather maps by plotting upper air charts.

Good, Vernon A., 644 N. State St., Ukiah, Calif.

Gray, Dallas N., 807 N. 25th St., Boise, Idaho.

Hanks, Lew E., Soil Conservation Service, Post Office Bldg., Watsonville, Calif.

Heaney, Samuel J., Sterling, Idaho.

Hitt, Wright, Will Rogers Field, Oklahoma City, Okla.—2nd Lieut. Air Corps. U.S. Army, 57th Bombing Squadron (L). 4th Bombing Gp. (L) A.F.C.C.

Imhoff, Leo F., 715 N. Central, Glendale Calif.—Working for Lockheed Aircraft Co. in the procurement division.

James, Morrison R., c/o Fire Dept., Camp Roberts, Calif.—Fireman, Sr. Fire Fighter. Deferred from draft. Expects to work for Forest Service as Protective Assistant in April.

Johnson, Alfred C., U.S. Forest Service, Avery, Idaho.

Karstad, Owen F., 244 7th Ave., Pocatello, Idaho.

Lacy, Thomas F., Chase B-24, Soldiers Field, Cambridge, Mass.—Attending Harvard University, Business school.

Langdon, O. Gordon, 634th Tank Destroyer Bn., Camp Claiborne, La.—Still footloose.

Lange, Keith D., Box 412, Morris, Tenn.—Jr. Forester Aide with tree crop unit of T. V. A. Statistical analysis, field problems, and experimental research with Black Walnut, B. Locust, Chestnut, Persimmon as to cracking and kernel studies.

Larson, Albert T., Aviation Cadet, C. G., Class 41-I., U.S. Army Air Corps, Randolph Field, Texas.

Lathen, Clifford F., Box 202, Potlatch, Idaho—Lumber student, Potlatch Forests, Inc. Various jobs around the mill.

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Lee, Bruce R., Grazing Service, Burley, Idaho.

Lehto, Vilho A., U.S. Immigration Service, El Paso, Texas.

MacLeod, Douglas W., c/o Rev. R. G. MacLeod, East Greenwich, N. Y.

Mallory, Walter A., Camp 24, Potlatch Forests, Inc., Headquarters, Idaho.

McCormick, Chester A., Company "F", 63rd Infantry, Ft. Leonard Wood, Mo.

Medford, Rulon L., Palisades, Wash.—Jr. Range Conservationist. Technical investigation and range survey. A couple of gals almost got me.

Merrill, Edward H., In the Army in Calif.

Miller, Charles I., M.S.(For.), Idaho '40; Lieut., 5th R. O. C. Marine Barracks, Quantico, Va. Believe Chuck was married to a hometown girl sometime in 1941.

Miller, Warren G., P. O. Box 762, Prescott, Ariz.—Jr. Range Conservationist, S.C.S. Range surveys and management plans. Planning on marriage the 29th of Dec., however, the war may change my status.

Mohan, Joseph M., Usk, Wash.—In Army at Honolulu.

Nietzold, George E., N. F.-25, Hot Springs, Va.—C.C.C. Foreman, as Agricultural Aide. Foreman of Field work of timber survey project. Data to be used for timber management plan for the range districts within George Washington Nat'l Forest.

Nord, Eamor C., S.C.S. Camp 33 N., Melrose, New Mexico—Jr. Range Conservationist. Making range surveys and plans to use in S.C.S. agreements in Eastern New Mexico. Trying to locate some classmates within driving distance of this country. Trying hard to support myself during this emergency.

Parsons, Patrick J., Camp 27, Headquarters, Idaho.

Paulson, Anton H., 722 Madison, Seattle, Wash.—Jr. Inspector, Boeing Aircraft, Seattle, Wash. Inspection of material and completed parts, operating testing machines, checking shop orders, and some blueprint and micrometer work.

Perkins, Kilby V., Box 186, Spirit Lake, Idaho.

Porter, Robert M., U.S. Grazing Service, Burns, Ore.

Potter, Howard L., A.A.A., Boise, Idaho.

Price, Gordon J., 1785 Center, Ave., Ogden, Utah.—Assistant chief of party Wasatch Range Survey, Jr. Range Examiner. Range survey field work in the summer and Photogrammetry, drafting and map preparation, planimetry, and compilation of carrying capacities for all Ranger Districts on the Wasatch Nat'l Forest. Have passed the unassembled Jr. Soil Conservationist. Have had no offers to date.

Ratliff, Donald E., Fort Ricardson, Alaska. Lieut., Co. G, 4th Infantry.

Reed Robert B., 3738 Oakwood, Riverside, Calif.

Reid, Ralph R., 21 W. 25th Ave., Spokane, Wash.

Ringdahl, John N., Drafted into the armed forces from Butte, Mont. Present address unknown.

Rusher, Robert H., Box 368, Lawrenceville,

Va.—Assistant Agricultural Aide (trainee) for the S.C.S. Learning to become a farm planning technician.

Schoeffler, Franklin A., c/o Postmaster, San Francisco, Calif.—Sgt., Band, 164th Infantry.

Spencer, Ben O., Tuba City, Ariz.—Jr. Range Examiner, Acting District Supervisor. Administration of 1,750,000 acres of the Navaho Reservation comprising land management. Charge of all Range management activities for the district. Married Dec. 8, 1941, to Sarah McGregor, Thatcher, Idaho.

Sundquist, Carl L., A.A.A., Twin Falls, Idaho.

Swanson, Robert E., 765 Maple Ave., Galesburg, Illinois.

Talbot, Dean W., 447 Thatcher St., Boise, Idaho.

Thornber, Merrill S., Camp Elna, Co. 5420, C.C.C., Elna, Wash.—Administrative officer, Company commander. Overseeing the health and welfare of 170 young men between the ages of 17 and 23 years.

Upson, U. Layton, M.S. Idaho '40; 531 2nd St., Wisconsin Rapids, Wis.—Seeking a commission in the naval reserve.

Van Camp, Richard P., 437 Florence St., Burbank, Calif.—Lingsman, Douglas Aircraft Co., El Segundo, Calif. Designing and lofting new airplanes.

Ward, Ray L., Lake City, Calif.

Webb, James L., Duncan Field, Texas—Pilot, 2nd Lieut. Fly transport planes from east to west coast and Panama.

Webb, Orrin, Grangeville, Idaho.—Real estate, loans and insurance.

West, Wayne W., 1169 W. 37th St., Los Angeles, Calif.—Immigrant Inspector, U.S. Dept. of Justice, Immigration and Naturalization Service, Los Angeles, Calif.

Wetzel, Barton O., 814 S. Jefferson, Moscow, Idaho.—Has been scaling for Potlatch Forests, Inc., but now spending time in Moscow.

1941

Allegretti, Joseph J., T. J. Moss Tie Co., Columbus, Ohio.—Married in 1941 to a former Idaho co-ed.

Bailey, Edward O., 156 W. 5th, Sheridan, Wyo.

Baker, Bert C., Larimore, N. Dak.—S.C.S. Assistant Agricultural Aide Trainee. Farm planning and Minor Forestry duties. We have possibly 1200 acres of native hardwoods in a total land area of 18 townships. We are also planting field and farmstead windbreaks.

Benton, Vincent L., M.S. Idaho '41.—Munitions Manufacturer, 38 Walker St., Pawtucket, R. I.

Boyd, Bufford C., Coeur d'Alene, Idaho—Teaching science in the Coeur d'Alene High School.

Breon, Eugene E., 1635 Granville, St., Columbus, Ohio. In the Army.

Buffat, Jack L., U.S. Forest Service, Council, Idaho.

Carlson, Melvin., When last heard of was working as saw boss for Potlatch Forests, Inc.

Cloninger, Russel T., Headquarters, Idaho—Scaler for Potlatch Forests, Inc. Married in August, 1941, to Elizabeth R. Buck of Boise.

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Darst, Edward J., Lake City, Calif.

Dewey, Lynn M., 1250 E. Lewis, Pocatello, Idaho—Married in 1941.

Dick, James C., 11 No. Lincoln St., Park Ridge, Ill.—Married to Helen Jensen, Idaho '41, in January in Kansas City, Mo.

Fisher, Jean E., 806 Delaware Ave., Peoria, Ill.—Scientific aide in research and extension forestry of Dept. of Forestry, Univ. of Ill. Research in forestry problems peculiar to Illinois and field work in extension forestry throughout the state.

Forgey, Lyle K., State Game Farm, Mead, Wash.

Fulton, Lester R., Kaniksu Nat'l Forest, Sandpoint, Idaho.

Gilbert, R. Sykes, Dorset, Vt.—Now in the Army.

Glazebrook, T. B., Carson City, Nev.—Extension Forester for Nevada half the time and Protective Asst' U.S.F.S. Mono Nat'l

Forest the other half. Working on the Farm Forestry program development in Nevada and Fire Control in cooperation with the State of Nevada.

Harlan, George W., Clearwater Nat'l Forest, Orofino, Idaho.

Harris, Robert W., Dept. of Botany and For. Pathology, N. Y. State College of Forestry, Syracuse, N. Y.—Married Jean Perkins, former Idaho co-ed, on Sept. 9, 1941. Is graduate ass't under Harold Heady '38.

Harris, Grant A., M.S.(For.) Idaho '41; 312 S. Lake St., Miles City, Mont.

Hess, Dennis E., U.S. Grazing Service, Shoshone, Idaho.

Jankowski, Edwin J., Univ. of Calif. Dept. of Forestry, Berkeley, Calif.—Technical Assistant, Forest Dept. Work on research projects including some experimentation, but mostly book research for the Dept. I'm intending to be at Calif. only this school year after which I shall try to obtain my former position with the N. W. Paper Co. of Cloquet, Minn. as a field man. Majoring in Forest Economics and Management and a little of everything else.

Klein, Carlos G., 3rd Platoon, Co. A, 27th Bn., E.R.T.C., Fort Leonard Wood, Mo.

Maryott, Glenn A., Rt. 2, Coeur d'Alene, Idaho.—Temporary ass't Ranger, Wisdom, Mont. Range inspection and fire protection.

Mears, John S., M.S. Idaho, '41; Salt Lake City, Utah.—2nd Lieut. in the Army.

Miles, Joseph R., Quartz Mountain, Ore.—Scaling part time and choker setter. The scaling is in connection with the fallers and the choker setting is for either a skidding cat (yarding) or a tractor and arch. Now married.

Mueller, Waldemar, U.S. Forest Service, Porterville, Calif.

Payne, Gene F., 111 N. Asbury, Moscow, Idaho—Holds fellowship in Range Management in School of Forestry. Married Glyta Bolick in November, 1941.

Read, William W., The last we heard of "Woodgate" was in the Philippines and on Luzon Island. Undoubtedly is with MacArthur's forces on Bataan now.

Schaller, Maurice R., 14 W. Chapman, Ely, Minn.—Logging (self employed) spruce pulpwood.

Stone, Raymond W., Battery A-55, F.A., Camp Roberts, Calif.—Put in the army in the Instrument and Survey Battery of the field artillery. The professional work consists of technical preparation of firing data. Still single but probably only for the duration if that long. Busily engaged in dramatics and entertainment in general and (when rare opportunity presents) in forestry.

Summerside, George W., A.C.T.D., King City, Calif.—Aviation Cadet, Army Air Corps. Enlisted Jan. 7, 1942. Before employed by U.S. Forest Service, Deschutes Nat'l Forest, Bend, Ore. From July 8 to Dec. 18, 1941. Jr. Agricultural Aide, Fire Fighting, slash disposal, estimator on quality cruise party, member of Pine Butte Survey party.

Taylor, Peter W., c/o S.C.S. Spokane, Wash. Jr. Range Conservationist. Range surveys and ranch planning. Furlough on Dec. 3, 1941, for an indefinite period.

Tulley, Harlan N., S.C.S., Buffalo, Wyo.—Range Examiner, Ass't Agricultural Aide. Working on water facilities and soil conservation district projects. Work is varied, and includes everything from checking new wells to base mapping, Range surveying, running contour ditches, and "white collar work." There haven't been any new babies in my immediate family for a long time—Mainly because I'm not married.

Vance, E. Pershing, 1112 Grove St., Boise, Idaho. Now with the U.S. Forest Service in Ogden, Utah.

Vogt, Harry A., Eagle, Idaho, Rt. 1.—U.S. Forest Service, Ogden, Utah.

White, Henry A. Jr., M.S.(Chem.E.), Idaho '41. Commercial Iron Works, Portland, Ore.

Wilker, Carl W., S.C.S., Chamberlain, S. Dak.—Jr. Range Conservationist. Make range surveys, plan grazing programs, suggest necessary change and improvements, plan and give technical assistance in planting shelter-belts for fields and farmsteads. Maintain plant herbarium of important range plant species. Wild life plantings on dams and reservoirs, winter feeding of wild turkeys on American Island. Assist in making farm plans and writing of cooperative agreements between district and cooperators.

Williams, Robert E., 225 9th St., Idaho Falls, Idaho.—Spent the past summer on a range survey project on the Targhee Nat'l Forest. Completed temporary appointment as Jr. Range Conservationist Oct. 7. Hope to continue the same work next year. A son born Oct. 27, 1941. Now with the U.S.F.S. at Ogden, Utah.

Forestry Seniors Enlist

A number of forestry seniors are stepping from the commencement line directly into the ranks of Uncle Sam's fighting forces. Men signed up for Navy V-7 training include Paul Easterbrook, Ward Smith, Roy Kuehner, Edward Noble, Lyle Price, and Edward Slusher. Robert Kliewer and David Wilson will receive their gold bars as infantry lieutenants at the commencement exercises.

Epidemic

The increased rate of marriages among forestry students deserves a few lines of mention. We don't know who started it, but it assumes epidemic degree. Juniors and seniors who have fallen by the wayside include, William Baribeau, George Lafferty, Duane Town, Burton Akins, Burton Clark, Louis Engstrom, Vernon Ravenscroft, and Vernon Burlison.