

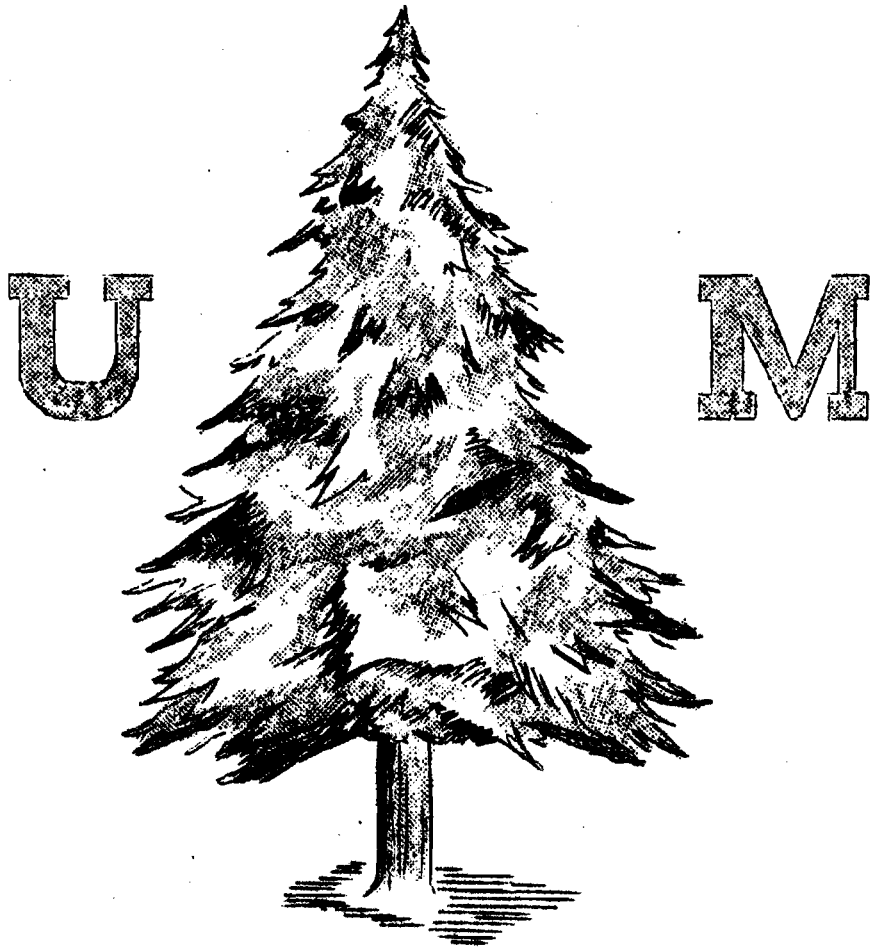
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Nineteen Hundred Forty-Six



The
GOPHER PEAVEY
1946



ANNUAL PUBLICATION OF
THE
FORESTRY CLUB

FOREWORD

The 1946 Peavey has tried to record the activities of the student body. It has been rather strenuous to keep up with our ever growing division. Men returning from military service and other new students have filled the rooms of Green Hall until the very outer walls creak and bulge.

A Peavey every year is traditional and the staff of the 1946 Peavey passes the tradition on to the 1947 staff for a larger and better Peavey.

DEDICATION

We, who have so recently returned to pursue our chosen profession of forestry, pay heartfelt tribute to the deeds of valour, heroism, and distinctive service performed by those who waged war's battles over all the earth.

However, it is to the memory of men like "Ed" Kafka, Ralph Rich, Kermit Lodin, Robert Goudy, Jerome Esser, John Ercegovich, Glenn Rotegard, Edward Henry, Robert Stolpe, Walter Anderson, Everell Knospe, John H. Lindberg, John Weber and others who in this great struggle paid a far greater price of personal sacrifice in giving their lives in order that we might some day return to these more peaceful pursuits that we humbly dedicate this first post war issue of the "Peavey."

Together with this dedication is coupled the high resolve to bend all our efforts toward the fulfillment of our profession's part in helping America set the pace for world peace and the prevention of further world conflict. This we do in order that we might, in our small way, repay in part the debt we owe these men, our fallen comrades.

CONTENTS

Foreword	1
Dedication	11
Peavey Staff	1v
Faculty	
Sketches	3
Pictures	6
School Activities	
Mechanizing Forest Planting	9
The Forestry Club	12
Forester's Day, 1946	15
Itasca Corporation, 1945	16
Students	
Freshmen	21
Sophomores	22
Juniors	25
Specials	27
Seniors	27
Fifth year men	27
Summer Activities	
Michigan	35
Liberian Rubber	37
Durable Fence Posts From Birch and Aspen	39
Wynooche or Bust	40
North of the Border II	42
Canoes and Canoeing	44
Canoe Trip with Pay	46
Alumni	
Notes	51
Directory	57
Advertising	83

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The Peavey staff is grateful for the assistance received from those who gave their time and effort in helping the staff. Our special thank you goes to Miss Madeline Palmer, Mrs. Bernadette Iijima, Mrs. Dorothy Jorstad, Miss Gloria Lathrop, Mr. Raymond Wood, and the entire Division of Forestry staff.

FACULTY

FACULTY SKETCHES

Dr. Schmitz

Chief of the Division of Forestry and Dean of the College of Agriculture, Forestry and Home Economics is the dual responsibility of Dr. Schmitz.

Those two jobs and numerous other activities keep him well occupied. Before he became dean, Dr. Schmitz taught dendrology and wood preservation. In those days he had more time to devote to research studies in wood preservation and he has published a number of writings in that field. In 1915, Dr. Schmitz graduated from the University of Washington at Seattle. He completed his M.S. at the same school a year later. His work on a Ph.D. degree was interrupted by the First World War when he joined the Navy in 1917. Finally in 1919 he received his doctor's degree at Washington University in St. Louis. Dr. Schmitz taught at the University of Idaho from 1919 to 1925. He came to Minnesota in 1925 and became Dean of the College in 1943. He has just completed two terms as president of the Society of American Foresters. For five years, he served as editor of the Journal of Forestry published by the Society.

Dr. Kaufert

Dr. Kaufert is the current "Uncle of Paul" as well as acting head of the division. He graduated from Minnesota in 1929, taking a Master's degree in 1930. After a year of study in Germany, he returned to the States and spent two years with the Forest Survey. Returning to Minnesota, Dr. Kaufert completed his Ph.D. in 1935. The next four years he spent with the DuPont Chemical Company on wood preservative research. Again he returned to Minnesota to teach, but when the war broke out he was called to the Forest Products Laboratory for war work. Now he is teaching courses in wood technology and wood utilization. Included in the courses are pulp and paper, forest products, and wood utilization. Dr. Kaufert also conducts the seminars, and handles the major reports of graduate students. Development projects that are high on the list of the division are acquisition of a wood lot and establishment of an arboretum in the Twin Cities area. Dr. Kaufert is spending considerable time on both of these projects.

Professor Cheyney

The senior member of the faculty is the one who initiates the freshman with a good dose of general forestry with some spice and humor. Other courses that Mr. Cheyney teaches include principles of silvics, silvics, silviculture, seeding and planting, and forest recreation. The oft-repeated stories of his presence at the U. since the old days are true, for he has been teaching at Minnesota since 1905. Mr. Cheyney is a 1900 graduate of Cornell, and of the Yale Forest School in 1905. After graduation from Cornell, he spent a year and a half as a student assistant with the Forest Service. Publications in which he has had an important part include a book, "Farm Forestry", written in cooperation with Wentling and the book, "This is Our Land", written with Dr. Schantz-Hansen. Other books by Mr. Cheyney include "American Silvics and Silviculture" and "What Tree is That?". At present Mr. Cheyney is making a study of the possibility of using Minnesota cottonwood as a source of pulpwood.

Dr. Rees

Dr. Rees comes from New York State College of Forestry. He received his B.S. degree there in 1923 and his Ph.D. degree in 1929. From 1923 to 1927, he worked as laboratory assistant at New York State. In 1927, he came to Minnesota as an assistant professor to teach wood technology courses. Among the courses which he gives are wood structure, mechanical and physical properties of wood, and wood seasoning. Freshmen make his acquaintance early in his dendrology classes. Dr. Rees has carried on extensive research on the moisture movement in wood and the effects of various seasoning and chemical treatments on the mechanical and physical properties of wood. He is now working out methods for the utilization of aspen in construction.

Professor Brown

Summer employment for the rapidly increasing numbers of forestry undergraduates is a major problem of Mr. Brown. With Professor Cheyney, he has been acting as adviser and confidant for most of the students and has been running into some tough going. Freshmen receive an introduction to field work from Mr. Brown at Itasca during the summer session, followed by mensuration in the fall, which is guaranteed to keep anyone busy. Advanced mensuration is also administered by Mr. Brown. He is a Cornell graduate of 1921 and received his M.F. degree from the same school in 1924. In the intervening years, he worked in the computations office of the Forest Service in Washington, D.C. From 1925 to 1927, he worked with the Lake States Forest Experiment Station. In 1927, he joined the faculty at Minnesota. When he finds time, he works at revising "Bulletin 39, Volume, Yield and Stand Tables for Tree Species in the Lake States" with Mr. S. R. Gervorkiantz of Lake States.

Professor J. H. Allison

Another staff member who has had lots of experience in teaching prospectives is Professor Allison, graduate of Cornell, '06. Immediately after graduation, Mr. Allison was sent to the Coconino National Forest in Arizona as a forest assistant. When the Regional Office was organized in 1908 in the Southwest, he handled the forest management projects. In 1912 he came to Minnesota and has been on the staff continuously except for a year spent in the Forest Service during the First World War and a year of study in Scandinavia. Among the classes which he teaches are forest valuation, forest economics, grazing, forest management plans, and forest policy. He also teaches a field course at Cloquet. Professor Allison is working on the problems of utilization, taxation, and valuation of forest lands in the cutover counties of northeast Minnesota. His latest publications are a mimeographed leaflet on forest taxation, and a report, "Lake Vadnais Forest", which appeared in the January issue of the Conservation Volunteer.

Dr. Shantz-Hansen

The director of the Cloquet Experiment Station is a Minnesota graduate, who received his Ph.D. degree at Yale in 1935. Most forestry students must wait until the senior year and the spring quarter session at Cloquet to make the acquaintance of Dr. Shantz-Hansen, but any upper-classman, who has had the opportunity, will tell you the experience is

worth waiting for. In addition to his numerous experiments in pulpwood and lumber production, he conducts a short course in portable saw-milling. In collaboration with Mr. Cheyney, he has written the book, "This is Our Land", as well as numerous other articles and papers.

Mr. Zivnuska

A new instructor, just added to the faculty, is Mr. John A. Zivnuska, recently discharged from the Navy. He graduated from California in 1938 and later received a M.S. degree from the same school. The field of forest economics is his specialty. He is presently engaged in work for a Ph.D. degree. Mr. Zivnuska spent a year in the U.S. Forest Service, a year as a teaching assistant and a year as a fellow at California. During the past three years he has been in the Navy. He is teaching logging in the spring quarter, and he will teach fire protection next fall.

Mr. H. L. Hansen

This spring we welcomed back a former student and teacher into our midst. Mr. Hansen graduated in 1935, worked a year in Lake States and then came back as an instructor from 1936-1941. In the school year 1941-42, he was an instructor at Michigan State. During 1942-43, he was with the AAF, Wood Aircraft Procurement program. In December, 1943, he entered the Navy, and was discharged in April 1946. He is instructing field dendrology and working on his Ph. D.

FACULTY



Dr. Schmitz



Dr. Kaufert



Mr. Cheyney



Dr. Rees



Mr. Brown



Mr. Allison



Dr. Shantz-Hansen



Mr. Zivnuska

SCHOOL ACTIVITIES

MECHANIZING FOREST PLANTING

PAUL O. RUDOLF

Lake States Forest Experiment Station^{1/}

The widely known American genius for mechanization has been extended into the field of forest planting. While ground preparation on large-scale planting operations in the Lake States in recent years has been done largely by tractor-drawn plows, machines newly developed in the region can do both ground preparation and planting in one operation -- under suitable conditions.

Machines Developed in Other Regions

Several tree-planting machines have been developed and used to some extent in the United States. Although they differ in detail, most of the machines^{2/} contain similar basic features. Such machines as the Simplex and Duplex^{2/} developed in the Northeast, the plains shelterbelt machines, and the Naber Tree Planting Machine, developed for planting in the Nebraska sand hills, have been used fairly extensively. None of them, however, has found acceptance in the Lake States.

Lake States Machines

Tree planting machines have been developed by State agencies in Wisconsin, Michigan, and Minnesota with which a crew (tractor driver and one to two planters) can set out 1200-2000 trees per hour of operation. The latter two are still in the trial stage, but the Wisconsin machines have been used quite extensively since their development in 1943.

Wisconsin Tree Planting Machines

Because of their comparatively wide use, the machines developed in Wisconsin^{2/} are described in some detail. Not only have these machines been used by farmers and state and county men, but they have also been taken over by some of the pulp and paper companies.

Under the leadership of Extension Forester Fred B. Trenk two types of tree planting machines have been developed. One is designed for use by farmers on old fields, principally on sandy soil types, and the other is designed for use on cut-over sandy areas where some stumps and brush may occur.

^{1/} Maintained by the U. S. Department of Agriculture, Forest Service, in cooperation with the University of Minnesota.

^{2/} "Seeding and Planting in the Practice of Forestry" by J. W. Toumey and C. F. Korstian, 3rd ed., pp. 483-485, illus., 1942.

^{3/} "Tree Planting Machine to Speed Reforestation" by Fred B. Trenk in Wisconsin Cons. Bull. 9(3):3-6, illus., March 1944.

The farm-type tree planting machine is built around the modern, single bottom heavy duty tractor plow. The standard plow bottom is replaced with a middle-breaker plow, under which is attached a box shoe about four inches wide, eight inches deep and three feet long. On the front of the shoe is a chisel snout that serves the double purpose of holding the shoe in the ground, and elevating the soil out of the planting trench instead of merely prying apart a slit in the soil. A rear assembly with press wheels provides a place for the operator to sit as he sets the trees (carried in a box just ahead of the planter) in the trench shoe. The press wheels pack the soil around the tree roots after a pair of plates flow loose soil into the trench. Trees up to four years of age may be planted easily in the 4" x 8" trench, but in general three-year-old stock has proven most satisfactory except for jack pine, which handles best as two-year-old stock.

The second model is generally similar to the farm model, but is built around a middle-breaker fire plow. Because of its extremely heavy construction it will operate in land too stony or stumpy for the lighter farm planting machine. The ordinary farm tractor will operate the lighter machine, while a moderately heavy crawler-type tractor is required for the operation of the heavy type of machine.

The tree planting parts, which will cost from \$60 to \$75, may be made detachable from each of these two designs, permitting the use of the plows during the balance of the year for purposes for which they originally were designed.

The economy of planting with these machines may be illustrated by records obtained from operations in which three machines planted some 610,000 trees on 477 acres in 1946 man-hours. Exclusive of the cost of the planting stock, the work was done at a cost of about \$3.30 per M trees or \$4.25 per acre. With conventional methods of ground preparation and hand planting, the comparable cost per acre would probably have been about \$8.00.

Michigan Machine

A tree planting machine^{4/} which combines some of the features of the Wisconsin and plains shelterbelt machines has been developed by Professors T. D. Stevens and L. E. Bell at Michigan State College. Mounted on a standard farm implement "uni-carrier" with power lifts, as is the shelterbelt machine, it is otherwise quite similar to the Wisconsin machine. It differs principally in the fact that the plow can be raised up for use on prepared ground and that through the use of the "uni-carrier" it is easy to adjust the plows to varying depths and, by lowering one wheel and raising the other, to do contour planting on slopes up to 30 percent.

The "reforestator" can be pulled by an ordinary farm tractor, although wheel-type tractors are not satisfactory on loose sands or steep slopes. The machine is easily transported since it can be used as a trailing unit behind a tractor or automobile.

^{4/} "Michigan State College Reforestator" by T. D. Stevens and L. E. Bell in Mich. Agr. Exp. Sta. Quart. Bull. 28(2):1-4, illus., November 1945.

Minnesota Machine

The Forestry Division of the Minnesota Conservation Department under the supervision of Ray Clement has developed a machine for planting trees on open sand plains. This machine differs from the Wisconsin and Michigan machines in that no plow is used and that two planters ride the machine. The ground is broken by the trenching shoe. Fairly extensive trials during 1945 indicated that a three-man crew (two planters and a tractor driver) could plant an average of 1,500 trees per hour or better. After minor adjustments, it is planned to use this machine extensively for planting state and county lands in the sand plains.

Advantages and Disadvantages of Machine Planting

The main advantages of tree planting machines are that planting can be done more rapidly with less labor and at a cost of about \$3.00 to \$5.00 per acre less than for hand-planting on comparable sites, and that ground preparation and planting are accomplished in one operation. These machines make it possible to take fuller advantage of the rather short planting season and a limited labor supply.

On the other hand, there are some disadvantages of machine planting: (1) areas with much rock, stumps, brush or other cover, or heavy soil cannot be planted; (2) roots over 8 inches long may be looped and other disadvantages of the slit method may develop; and (3) only areas which are comparatively level can be planted.

To sum it up, these tree planting machines are a promising innovation and merit widespread trial to explore their full possibilities.

THE FORESTRY CLUB

MAS HIRATSUKA

Exploitation of our forests left thousands of acres nude of their virgin timber. It was not until then that the nation awoke to the fact that the forests are expendable. The wasteful destruction brought to light the importance of forest administration and management.

The federal government took its first action in 1876 by placing millions of acres under its control and setting them aside as national forests. Stringent rules and regulations were adopted and enforced to protect them from further destruction.

Successful execution of the policies of forest management created a new problem. Men with professional training were badly needed, and there were no schools in which to train them. In 1898 the first forestry school was established at Biltmore, North Carolina. Shortly thereafter other universities followed suit.

With the inception of forestry a national organization of foresters was established in the universities. The purpose of this organization was to arouse general interest in forestry and to promote fellowship among foresters throughout the nation.

The Forestry Club of the University of Minnesota was established in 1906 and was composed of a mere handful of forestry students. As the number increased, it soon became the controlling group on the campus, and all other student organizations trembled at the thought of the Forestry Club. The leading man of that time was Charles L. Lewis. His personality, character, and unfaltering drive inspired his fellow Foresters to rally to the cause of the Forestry Club. Any opinion contrary to his was soon changed.

This club was loosely organized. It had no constitution under which it functioned, and it had no executive council. Its activities were limited to such events as games with the Agricultural students, dances, and bean feeds. Meetings were held at the homes of the various members. These meetings were definitely informal and unbusinesslike since the group was principally bent on hell-raising which characterized the Foresters of by-gone days.

The Forestry Club of the present is bound by a constitution which was drawn up in the early spring of 1937 and adopted October 20th of the same year. The membership to date, January 1946, is approximately sixty paid members of a total of 169 enrolled in Forestry. Les Hendry, our treasurer, has been hard on the heels of the forestry students for their membership fees of \$2.00, but they seem to slip past him. (Let me offer you a suggestion for catching your man, Les. Stay at Green Hall and make a noise like a skirt.)

The club holds its meetings twice a month on Thursday evenings to plan the program of activities and to discuss the affairs concerning the organization. At these meetings we are fortunate to have men like Dean Schmitz, Dr. Kaufert, Forestry professor, Mr. Lathrop, director of the State Parks of Minnesota, and Mr. Searls of the Conservation Department speak to us on various phases of forestry. After each meeting, refreshments are served by our ambitious refreshment committee, and the rest of the evening is spent in a bull session which always occurs whenever Foresters congregate.

The first meeting of fall quarter was the annual Bonfire which was held in the South Pasture of the University Farm. These gatherings are well worth attending, not only because of the food that is served, but because this is when all forestry students, new and old, meet with the forestry professors and learn who's who. Everyone has exciting stories to tell of his experiences in the wilderness. It is especially interesting to note how stories polymerize to an unbelievable state of elasticity. This definitely proves that truth is stranger than fiction.

Our traditional Forester's Day planned for the second of February was held on the 26th of January because of an unfortunate incident concerning Snow Week. The weather was cold enough to freeze the tail off a polar bear that day, so there wasn't a large attendance at the field events. The dance was held that evening in the Union main ballroom at which time prizes for the various contests were awarded. George Hassing, with his vitamin-fed beard, won the beard-growing contest. The undertaking was a success financially as well as spiritually, and our congratulations go to Leon Lundblad, chairman of Forester's Day.

The Forester's Banquet, which is held in the spring, is the most important event of the year, and every forestry student is encouraged to attend. The names of the club officers for the next year are announced at this banquet.

During the later part of the spring quarter a canoeing party, which winds up the activities for the year, is held. This is usually a date affair, and such being the case, the fellows sit back and relax while the sweet little things struggle hopelessly with the paddling. Yes, sir, women always get their hands in everything, but what could we do without them?

The Forestry Club owes a debt of gratitude to many of the Home Economics girls who have devoted considerable time to help with the club's activities. And to you girls we offer our thanks. You will long be remembered.

THE 1946 FORESTRY BANQUET

On March 7th, the first post war banquet was held in the Junior ballroom of the Main Union with a background of dinner music. Of the hundred who attended there were representatives of the new freshmen, men back in school after several years absence, graduates of forty years ago, fathers and the faculty.

Toastmaster Henry Schmitz, Dean of The College of Agriculture, Forestry, and Home Economics introduced the speakers on the program thru a haze of cigar smoke. Dr. Frank Kaufert first gave a message to the students stressing importance of high scholarship. Mr. Dean Almquist of radio station KUOM read several dialect stories and lumberjack ballads in such a way as to bring Paul Bunyan's days to the banquet. Jim Carey, of last year's Itasca Corporation reported on the doings and actions of the summer session.

Mr. S. R. Black, vice president of the Weyerhaeuser Sales Company, and main speaker of the evening spoke on "Forest Industries and Forest Education". His talk covered the problem of forestry dealing with small land

owners who really hold the key to the future and the education of the owners and public in general of the possibilities that exist in the industry.

Harvey Djerf completed the program by announcing the results of the Forestry club election and introduced the new officers, president, Les Hendry; vice-president, Ralph Law; secretary, Orville Lind; and treasurer, Eric Clarke. After the scheduled program there were many renewals of acquaintances from school and previous banquets.

Committee in charge were B. L. Berklund, Phil Corson and Jerry O'Neil.

FORESTERS DAY, 1946

LEON LUNDBLAD

This year, as in others before the war, Foresters Day was thought of months in advance. The business of selecting committee heads went a long fine in November and December, and the date was set for February 2, 1946. On January 11, Snow week announced that Paul Bunyan was the theme for their button sales and fraternity and sorority house decorations. No true forester could stand this, so Bernie Granum made the rounds: Dean Schmitz, and soon up to Dean Williamson, Dean of Students. Everyone agreed with Bernie that Snow Week was in the wrong, and a meeting between Snow Week officials and Foresters was arranged. The ultimate outcome was that Foresters' Day was moved up a week to become an integral part of Snow Week, plus a very good financial arrangement. Paul Bunyan, being the patron saint of Foresters, was denied the so-called privilege of gracing Fraternity Row, but he was still on the button. Another arrangement made was that every time Paul Bunyan was mentioned, an insert must be added --- "Through the courtesy of the Foresters' Day Association". This didn't always get into the papers, but at least we made the Main Campus sit up and take notice of us foresters.

Foresters' Day broke clear and cold as if ordered. The traditional Bean Feed opened the day at 11:00 o'clock with a delicious menu, consisting in part of beans, hot dogs, and coffee. Millions of beans and a couple of hours later, all participants trooped to Green Hall for the program. The main attraction here was P. J. "Hawf and Hawf" Hoffstrom and his "Eye of Imagination" chalk talk. He kept the audience on the edges of their seats for a full half hour with his impressions of some of the present foresters and faculty.

Immediately afterwards, Kitty Nolan, the Daughter of Paul, was escorted to her throne, which was adorned with Sorge's elk horns. Dr. Kaufert, Uncle of Paul, crowned our Kitty, while Son of Paul, Glenn Evans, looked on. Dr. Kaufert exercised his prerogative and decisively kissed our Queen.

The picture-taking over, Miss Nolan called for the bearded contestants and two lonely foresters stepped forth. After careful deliberation, the Daughter waved her finger in George Hassing's direction and he too embraced our Daughter. From then until the sun dipped into the West, the air was filled with shouts, chips and sawdust. Later, all convened in Coffman Memorial Union for the Forester's Snow Ball climax of Forester's Day and Snow Week.

At the intermission the awards were presented by Gerry O'Neil. The tug-of-war between the Foresters and Farm House was won by the Foresters. Other winners were: Dog sled -- Mary van Brack and her dogs, Berklund, O'Neil, Jacobs, and Brede; Men's sawing -- Drs. Kaufert and Rees; Women's sawing -- Myra Smart and Lyla Mary Worden; Chopping -- Jim Stone; Men's pie eating -- Vic Clausen; Women's pie eating -- Marilyn Anderson; Future Foresters of Minnesota pie eating -- Doug Rudolf, age 9.

Foresters' Day was a success because of the efforts of all foresters. The following men were responsible for putting the first post-war Foresters' Day on a par with previous ones: Chairman - Leon Lundblad; Dance - Bill Brede; Contests - Eric Clarke; Awards - Gerry O'Neil; Decorations - Ralph Law; Bean Feed - Mas Hiratsuka and Jack Erickson; Program - Vic Clausen; Button Sale - Clarence Jones; Queen - Ernie Gebhart; Publicity - Bob Lee and Bill Longley; Beard Growing - Art Lindholm; Paul Bunyan Statue - Jim Stone and Les Hendry.

ITASCA CORPORATION

WILLARD LEAF

Gonna take a sentimental journey
Gonna set my heart at ease
Gonna take a sentimental journey,
Another trip to Itasca please?

I'm sure this little ditty expresses the sentiments of all past, present and future brothers of that great fraternity, The Mystic Nights of the Lodge.

Art and I jumped the gun and arrived at the Lake a little before schedule and observed the arrival of the rookies. Stony arrived in the Utility Car, Cliff in the Missing Carpet, and Passion in the Post Digger.

Everyone became situated without much ado. Jock Hendry, Mr. President Sir, of the corporation, with his aides, Ortz, treasurer, and Stony, Steward, soon had the K. P. roster posted. The cooks, Mrs. Fancher and Mrs. Sedan did a fine job of cooking the available foods.

Education came first, (at least the first part of the day) and instruction was divided among "Pop" Cheyney, Doc. Rees, Dr. Dawson and Mr. Brown.

"Pop" took the little flock out first -- 'twas a little jaunt into the woods -- just so's we could see what we were working with.

We all got situated in the shade of a tall pine and the lecture began. It was audible at first but as time progressed and the mosquitoes' signal system was set up the slapping sounded like a tap dancer working double time to "Tiger Rag".

"Pop" says, "Don't let the mosquitoes bother you, after a while you don't notice them. When you have been bitten 3,333 times they won't bite you any more --- no more blood".

Doc. Rees took us on several hikes too--studying trees, shrubs and herbs. They certainly were far apart.

The hikes in the woods were enjoyed by all - the heavy carpet of pine needles underfoot, the ripened strawberries, the heavy scent of late spring flowers and alcoholic halitosis, the knee-deep muck, the brush up to our ears, the rain and the sun, all counteracted to accent the better parts.

Doc. Rees would point out a specimen to one of the boys in the back row (not there by accident!) and ask him to identify it. No response. OK, Cliff, what is it? Cliff muttered something that sounded like the hiccups through a mouthful of mush, and by gosh he was right.

After a while we got to know some of them, at least, Cliff did.

And I don't think we'll forget the reports required by Mr. Brown, especially those on the forty. Just the number of trees by D.B.H. classes,

just the number of trees by species, just the number of trees by stand, and then just total volume. The map and silvicultural report, all in all an inventory of forty acres from 6 inches under the duff to the highest tree.

And Dr. Dawson's finger straightening in the air, the sign that a bird had just completed its song, is legend. Write it on the little slip, boys.

And writing on the bugs, swamps, baths, chow and K. P. would take a book.

I will conclude the educational portion by saying I'm sure that we all wouldn't exchange our trip to Itasca from the educational viewpoint for three quarters here at school.

We had a little fun, too -- I'll try to be brief.

Mas and I spent most of our leisure time fishing, but most of the fellows had interests at the Lodge.

After school work was completed, headlights flashed on and the muffled roar of autos could be heard as the cars left for the lodge.

I went down one night (as your faithful reporter) just to see what was doing.

The boys were well acquainted, some were dancing in emotional bliss to the tunes of a mechanically defective jukebox or Gloria's unamplified twirler, some just sat open mouthed and gaped at their feminine companions. Love bloomed supreme. Guess Archie was the only one who didn't fall in love.

Arrangements were being made of a semi-effluvial barn dance to be held at Cooper's Corner the following Saturday nite.

The joint was alive with effluvium when we arrived, so much so, that Busse had broken thru the floor to the music of the "Butterfly". He was extracted in apparently good shape, a board was nailed over the hole, and the dance continued.

Refreshments were served and we departed. Those boys un-staged naturally had to take the gals back to the Lodge and assist them in reaching the first rung of the fire escape, the only entry at that late hour. Guess it became a habitual practice. Not every nite, understand, sometimes the door would be unlocked.

All recreation was not limited to the cover of darkness. Fishing was excellent, was accepted by all, and it tasted better than mutton.

Lee and Tucker finally accomplished their many-times-tried fete of walking opposite gunwalls of the canoe and stay dry. They developed scales doing it and we couldn't call either of them "Bathless Groggins".

The girls at the Lodge (includes names) arranged a party for the boys at the Museum. It is located just across the street from Bauman's store.

Music was furnished by Gloria's ever-present phonograph. It served little that evening -- everyone seemed more interested in hamburgers, hot-

dogs and birthday cake. With full stomachs, couples sought out more secluded spots and the fires died unnoticed.

For further details contact - -

W. Johnson and Bulleigh on how to make an easy five bucks.

Longley and Erickson on professor's daughters.

Archie on making love.

Lindholm and Cliff on going steady.

Stony and Ortz on true love.

Mas on catching big ones.

Busse on disposal of fishing poles.

A. Johnson on wolves in sheep's clothing.

Carey on male deliveries.

Reilly on football technique.

Jock on sling shot pad filler.

STUDENT BODY

FRESHMAN CLASS

Andrew Aarhus
August Ahl
Leo Anderson
Robert E. Anderson
Clarence E. Bailey
Neil Bassett
Robert Beeman
Kenneth Bell
Donald Berdeen
Richard Berscheit
John Boice
Robert Bourdage
Richard J. Bowe
Edwin Braa
Gerald Brandon
Henry R. Brandt
James Bray
Richard Brenckman
Robert Brown
Gerald Bue
Byron Cacharelis
Archie Caple
John Carlson
Lowell Carlsted
William E. Carr
Edward Cedarleaf
Jack Clemmings
Philip Corson
Frank Culotta
Cecil Damron, Jr.
Frederick E. Debel
Gordon N. Doll
Robert Dvorak
Monty Eberts
Jack Eggan
Wandell Elliott
Robert D. Erickson
Allan M. Erie
LeRoy Fish
Edward Fleming
Donald Freeman

Wallace Froemming
Robert Gariner
Kenneth Garwick
Arthur Gibbs
Del William Gierke
Robert Gorman
Louis V. Grapp
Donald Grimm
John T. Hagen
Joseph Hall
Alvin R. Hallgren
Kenneth W. Hansen
Hartman J. Hanson, Jr.
Wayne Hanson
John C. Harries
Hallgrimur Helgason
Ralph Henrikson
Daniel R. Herbert
Robert N. Huddleston
Richard Irvine
Verne Jensen
Donald B. Johnson
Orin L. Johnson
Philip Johnson
George Josse
Harry Juntilla
Peter Katritses
George Kattleman
Theodore Keprios
Woodrow Knutson
Robert T. Kolbensvik
Frank Kopecky
Keith W. Lackey
Philip R. Larson
Henrik Lee
James Linne
Robert Lohman
Arold Marohn
Eldon G. Manthey
Robert McElrath
Merle Meyer

Jerald A. Mortensen
Ernest Mulch
Daryl Munger
Edwin Munger
Donald H. Neils
John Nelson
Maynard T. Nelson
William E. Neumann
John Olson
Herman J. Otto
John E. Owens
Lyle Pettijohn
Franklin J. Phillips
William Pribyl
David Randolph
Jerrod Rauh
Stanley J. Reba
Richard A. Reinarz
Eugene Rosenwinkel
Loren Rychman
Richard Schaefer
John Sedgwick
Marvin Shepherd
Richard W. Shiely
Carl Shults
Jack T. Simmons
Robert Slocumb
Donald R. Sorenson
Anthony Swandollar
Lester W. Swanson
Joseph Sylvia
Edward Thul
Ervin Tollefson
Walter Tollefson
George Udseth
Robert Ulseth
Charles Vail
Leonard Waldbillig
Roland Wardell
Kenneth Winsness
Robert Wrahlstad
Herman D. Yates

SOPHOMORE CLASS

Clifford Ahlgren
Stanley Alseth
John F. Anderson
Robert W. Anderson
Sherrill Angstman
Robert Bauck
Walter Beisel
John Berends
Richard Bernzen
Clophos Bulleigh
James B. Carey
Joe Chern
Alta Ehly
Jack Erickson
Herbert Finch
Harold Freleigh
Neill Gebhart
Theodore Grahek
Walter Gusek
John Hall
George Hammer
Herbert Harper
David Haslund
George Hassing
Leslie Hendry
Masaki Hiratsuka
Carlton Holmes
Adolph Jantos
Arnold Johnson
Clare Johnson
Donald E. Johnson
Walter R. Johnson
Bernard Jones
Thomas Kenney
George Kilen
Loyd LaMois

Arthur Larson
Ralph Law
Robert Lawrenz
Richard C. Lee
Orville Lind
Arthur Lindholm
Leon Lundblad
Thomas Mackenzie
Leonard Maki
John Mangan
Ronald Manninen
Edwin C. Martin
Gerald Maxwell
John Noble
Howard Olson
Harold Onstad
Earl Osborne
Gerald Pospichal
Joseph Reilly
Richard Schroeder
Rodney Schumacher
Richard Spencer
James Stone
Richard Stromberg
Charles Stubbs
Gerald Sullivan
Stuart K. Swanson
Carroll Thureen
Robert Webb
Judd Welliver
Paul Welshons
Richard Willis
Norman Woods
William Ziemer
Frank Zoubek

FRESHMEN



Back Row

Left to Right: Truman Clarke, Clayton Peterson, Emil Stoll (Navy), Robert Brown.

Front Row

Left to Right: Wandell Elliot, William Bauman, Philip Corson, Robert Lohman.

SOPHOMORES



Back Row

Left to Right: John Berends, George Hassing, Clare Johnson, George Kilen, Charles Stubbs, Jack Erickson, Walter Biesel, Walter Johnson.

Front Row

Left to Right: Paul Welshons, Masaki Hiratsuka, Leon Lundblad, Robert Lee, Jack Tucker, Ed Smith, Robert Webb.

JUNIORS



Back Row

Left to Right: Eric Clarke, Leslie Hendry.

Front Row

Left to Right: Marvin Kittleson, Edward Plante, Orville Lind, Ray Jacobs.

JUNIORS

Charles Arthur Bacon
Richard Bosshard
Ingolf Bue
Roderic Campbell
Glenn Carlson
Glenn Deitschman
Lawrence N. Flynn
Ray Jacobs
John Kittelson
Russell Knutson
Willard Leaf
Russell Lukkarila
Albert Nickels
Edward Plante
Charles Schlesinger
Thomas Thompson
Robert H. Wood

FORESTRY

SPRING QUARTER 1946

SPECIALS

Joyce Reuben Anderson
William Butcher
Paul Collins
Harvey Djerf
Arvid Erickson
Edward D. Erickson
Harry Frisbee
John L. Hammer
Eugene Jamrock
James E. Johnson Jr.
Keith Kuehn
Stanley Norud
George Patterson
James Sletten
Donald Stevenson
Wilmer Strelow
Donald Tate

SENIORS

Durward Bollinger
William Brede
Victor Clausen, Jr.
Thomas Connors
Jalmer John Jokela
Russell Jongewaard
William Kalton
Anton Kofranek
Donald Ledin
Harold Nilsen
Chester Olson
Lynn Sandberg
Oscar Stabo
Harold Todd
Warren Vong

FIFTH YEAR

Robert Beebe
Bruno Berklund
Glenn Lloyd Evans
Bernard Granum
Hillard N. Lilligren
Lowell O. Nelson
Gerald O'Neil
Norman Sorge

SENIORS

William F. Brede
Minneapolis
General Forestry

Forestry Club, 1942-46
Itasca Corporation, 1943
Cloquet Corporation, 1946
Secretary, Forestry Club, 1943
Business manager, 1945 Gopher Peavey
President Cloquet Corporation, 1946

Summer work

Minnesota, Blister Rust, 1943
Colorado, U.S.F.S., 1944
Washington, Simpson Loggin Co., 1945

Victor Clausen
Minneapolis
Lumber Merchandising

Forestry Club, 1942-46
Itasca Corporation, 1943
Student Council, 1943-1946
Ag. Intermediary Board, 1944
Editor, 1945 Gopher Peavey
President, Forestry Club, 1944
Treasurer, Student Council, 1946

Summer work

Colorado, U.S.F.S., 1944
Minnesota, M & O Paper Co., 1945

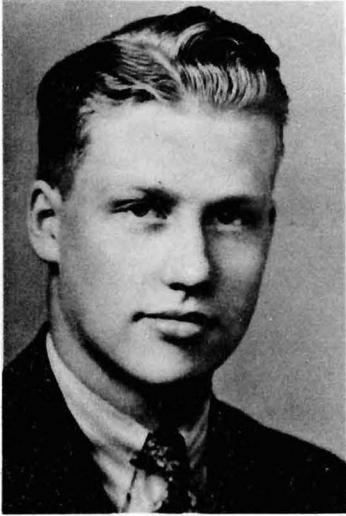
Arthur Lindholm
Milwaukee, Wisconsin
General Forestry

Forestry Club, 1943-46
Student's Rooming Council, 1944-45
Business Manager, 1946 Gopher Peavey
Itasca Corporation, 1945
Cloquet Corporation, 1946

Oscar P. Stabo
Cass Lake
General Forestry

Forestry Club, 1944-46
U.S.F.S. (Region 9) 1933-1944
Lake States Experiment Station, 1945
Cloquet Corporation, 1946

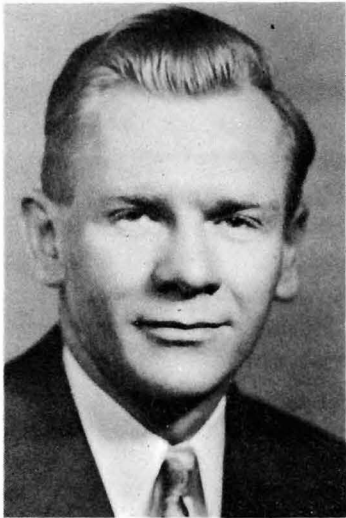
SENIORS



William Brede



Victor Clausen



Arthur Lindholm

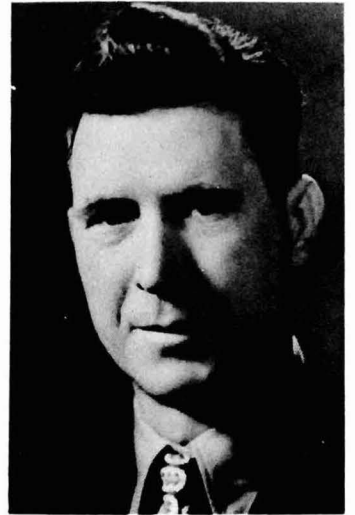


Oscar Stabo

FIFTH YEAR



Robert Beebe
General Forestry



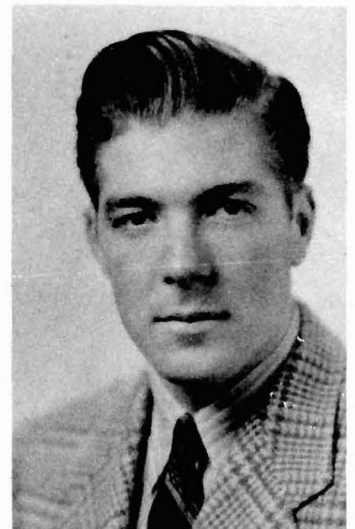
Durward Bollinger
General Forestry



Glenn Evans
General Forestry



Bernard Granum
Game Management



Norman Sorge
General Forestry

SUMMER ACTIVITIES

MICHIGAN

GLENN L. EVANS

After the big event of graduation on June 14th, 1945, I again started for the Upper Peninsula of Michigan to resume my work for Bonifas Lumber Company. As I neared Iron Mountain in the morning, it seemed very good to be coming back to the woods to work. Probably because the previous school year had been a tough one, I was even more anxious to go to work.

Bill Brown met me with one of his big grins and the summer of work was started. Bill informed me that I would be a cruiser on acquisition work and instead of working with him and my partner of the previous summer, Wes Latham from Michigan State, I would be part of a party of five with Atley Chapman, another company Forester, as chief of the party. The rest of the party was made up of Wes Latham, Arne Hedstrom, and Stretch Anderson. This proved to be a fine group of fellows and before the summer was over we had gone through some good and some bad times together.

I was glad to hear that we had an assignment on the Keweenaw Peninsula for two weeks. I had never been out there, but I had heard quite a deal about the peninsula. With this opportunity at hand, I became acquainted with its many famous rock formations, but not from a scenic standpoint.

On this job we had to live in a tent and do our own cooking. Although this cooking business is not done until after working we usually had a good time doing it. Everyone chipped in on the work, and we found out that Arne was a spaghetti chef deluxe. I think we had spaghetti fixed every way it has been cooked plus a few more. None of us lost much weight so the cooking couldn't have been too terrible.

The pack into our campsite provided many laughs although groaning muscles from carrying one hundred pound packs did not add to the enjoyment.

The much talked of trout streams in the vicinity did not yield the large catches that the streams were famous for, but it was probably due to the fishermen. Even Arne, an ardent and persistent fly expert, could not tempt the fish.

Another part of the summer was spent on some work near Manistique, Michigan. We were lucky in finding a nice cabin on a lake to live in while there. The meals were also excellent because we had relinquished our cooking claims to one far superior in the culinary line.

The work on this job consisted of a reconnaissance cruise of 10,000 acres that were being offered for sale by the owner. It was here that aerial photographs were very useful. We could locate corners in relation to roads before we went into the field and save ourselves much time in hunting corners. In addition, we were able to draw in type lines of some of the areas and then go into the field to determine the type on the ground. I believe that a very accurate type map can be prefaced in

this manner with a great saving in time.

We tried unsuccessfully all summer to complete some work north of Iron Mountain. It was in another area where we had to do our own cooking again. A fifteen mile drive over a nearly impassable road was the main obstacle to our destination. It seemed that just when the road would dry out enough to permit driving over it, another heavy rain would come and make it a little more impossible for the "Green Streak", our faithful Chevy, to navigate.

We spent some time at Ironwood working up data from our field work. While there I had a chance to help establish permanent growth plots for aspen. These growth plots are in Ontonogon County, Michigan and Vilas County, Wisconsin. I was assisting Rolland Rouse, a company Forester from Michigan State.

This proved to be very interesting, especially the selection of the location of the plots as they were to be laid out in different age aspen on different sites. The plots were rectangular in shape and a fifth acre in size. The boundaries were laid out with a staff compass and a nnn chain. The trees were numbered with orange paint as the D.B.H. of each tree was measured and recorded. After a few days on this job, I had nice orange paint on my pants. (Editor's note. Glenn won't tell this, but it is rumored that somebody measured one too many D.B.H.'s one day.) Increment borings were taken and recorded for five trees in each plot. Heights were taken on enough of the dominant trees in the plot to determine accurately the site class. Remeasurements are to be made at five year intervals on the plots to determine the growth.

The last week of work for me in the fall was spent with Bill Brown and Stretch Anderson on some work in the eastern end of the peninsula near Sault Ste. Marie. It proved to be a fine week to work as fall was getting into swing up there and the colors of the hardwoods are beautiful. Wes and I made a trip with Bert Miller, our Chief Forester, and Rolland Rouse to look over the various growth plots that had been put in. It was a fine way to finish a very interesting summer and I am looking forward to resuming my work for the Bonifas Lumber Company again this year after I receive my M.F. degree at Minnesota.

LIBERIAN RUBBER

D. A. BOLLINGER

Liberia is a little known country situated on the extreme southwest bulge of Africa. Its economic importance to world trade at present is of no practical value except through its production of rubber from *Hevea braziliensis* Muell. This one product however, during the post war period, has made the country much better known. Approximately 15% of the raw rubber used in the United States during the last two years of the war was grown on the Firestone Plantations of Liberia.

The plantation was started originally at two points; Cape Polmos on the southeast tip of Liberia, and Monrovia on the northwestern tip. Harvey Firestone, Senior, encountered excessive and fluctuating costs for the rubber being imported from East Indies, Java and Ceylon; for this reason he had almost the entire tropical world surveyed for possible rubber producing areas which could be put into plantation production. Liberia was established as the best location found.

The plantation area is approximately 100,000 acres. The soil is laterite, and average rainfall is 130" per year. The area is broken up into compartments called divisions, each of which contains from 1000 to 4000 acres of trees. The original strain of *Hevea* introduced from the East has undergone many graftings, and through the efforts of Dr. MacIndole, formerly of the University of Minnesota, some of the clones (hybrid species) are heavy producers of latex. One of MacIndoles clones, termed Bd-10, will give as much as 16 oz. per tree per day. The plantation is divided into 4 classes of labor: the office force, accountants, clerks, manager, etc; the research department carries on rubber production research; the divisional superintendents are the actual producers and managers of their respective divisions; the native labor force.

As the first two classes are of passing importance to foresters, I shall take up the duties of superintendents and native labor. A divisional superintendent has, on producing divisions, approximately 3000 acres of producing rubber trees. His work is primarily supervisor, with a smattering of being father confessor, king, judge, jury, and father to the native force. The division on which I was located employed 675 tappers, (tapping trees for latex) 125 in school to learn tapping, 80 camp builders (carpenters etc. for building houses of mud), 3 clerks, 7 factory boys, 4 house boys to take care of my wants, 20 overseers (foremen under superintendent), and 39 headmen (straw bosses).

The superintendent appears at the factory (shed where latex is brought after collecting) at 5:30 A. M. 7 days a week. The overseer must have all of the boys for which he is responsible in the shed by 5:50 A. M. Then the clerk, under observation of the white man, counts the labor (boys) by roll call; by 6:00 roll must be finished and boys then go to their work area. The gathering in the shed in the morning is called mustering.

The boys go to the field where each boy had a predetermined number of trees to tap. This usually is either 250 or 300 trees, depending on

the amount of latex which the clone can produce. The first thing the boy does on starting his work is to rub his hand around inside of the cup removing any residue of dried latex, which remains from the previous day's tapping, then he strips off a fine layer of rubber which is adhering to the previous day's cutting (tree lace). This is put in a bag he carries for this purpose (gonga bag). Next in operation is cutting a slanting incision $1/2$ the circumference of the tree to depth of 1 millimeter short of reaching the cambium layer. The next procedure is to place the cleaned cup under the cut, on a wire, so that the latex can run from the incision into the cup. A groove of metal 2 inches long by 1 inch wide is stuck into the tree back at the lower end of the incision so that the latex will drip into the cut. This procedure for the one tree is carried out for the entire 250-300 trees called a task. At about 11:30 A. M. a collection bell is rung and each boy collects the latex from each cup in his task, places it in a bucket and then carries it back to the factory for weighing. Theoretically, when the latex is weighed, the boy's day is done. So home the superintendent goes to take a siesta, or to the club to play golf.

THE FORESTRY LIBRARY

I wonder how many of the students enrolled in forestry now know the wealth of material available in our beautiful library room on second floor? The study room is without a doubt the most beautiful room for study and reading on either campus. Plus its beauty is its utility. Many a desperate forester enrolled in rhetoric has found a solution to his difficulty in room 200. In number of volumes of books, bound and unbound periodicals, Forest Products Laboratory publications, U. S. D. A. and Forest Service publications and miscellaneous publications of all kinds, your library ranks with the best forestry libraries in the country, except for those schools serving only graduate students. If you feel like reading something in German, Finnish, French, Swedish, Norwegian, Chinese, Japanese or English, there are publications in all those languages.

The true test of a library's worth is the use to which it is put. You foresters have a right to be proud of your library--and you have the privilege of having your specialized material all in one room. That room is primarily for your use in preparing reports and studying assignments. Let's start a new tradition: Use the library--don't abuse it! Remember that it is a library and will be used for many years to come and by hundreds of future foresters.

DURABLE FENCE POSTS FROM BIRCH AND ASPEN

BOB BEEBE

Last summer I spent considerable time working with Dr. Kaufert in cooperation with the Lake States Forest Experiment Station. Dr. Kaufert was working on the treatment of common Minnesota species--birch, aspen, jackpine, and red pine--with different chemical preservatives in order to make them durable.

The preservatives and the methods of treatment used were as follows:

1. A mixture of sodium dichromate and copper sulfate was used. This solution is commonly called "celcure". The posts were placed butt downward in a large container holding the solution and were left in the solution varying lengths of time.
2. Chromated zinc chloride, which is a mixture of sodium dichromate and zinc chloride was used. The treatment was the same as that used for the celcure solution.
3. A solution of zinc chloride was used to treat the posts by the tire-tube method. In this method, a short piece of inner tube is placed over the butt end of the post. The post is placed at a slant with the butt end highest, the inner tube is filled with solution and the solution runs through the post.

After treatment the posts were sectioned at 6 inch intervals and the penetration observed. The data on these posts have not been analyzed yet so the results are not known. However, I did have the opportunity to see the test section of fence posts the Soil Conservation Experiment Farm at LaCrosse, Wisconsin, established in 1939. The posts consisted of common Lake States species treated with zinc chloride by the tire-tube method. They had treated aspen and birch posts (these species have no natural durability) that have been in the ground since 1939 and are still sound. Of course some of these species have failed because of faulty treatment, but this can be traced to the fact that the whole idea of treating fence posts is an experiment and the methods were faulty, but are being improved as time passes.

The key to the problem is to find a chemical that is cheap, easy to secure, easy to apply and will be effective. That's a difficult key to find, believe me!

Dr. Kaufert is continuing his work on fence post treatment. What ideas or new developments will result may mean new sources of fence posts for the farmer from his own woodlot. In 1950 a cottonwood fence post that will last for 15 years? Who knows?

WYNOOCHEE OR BUST

WILLIAM BREDE AND NORMAN SORGE

We slipped away from school a little early. To be more exact we jumped the gun by somewhere in the neighborhood of two weeks. Lynn Sandberg and myself (Bill Brede) then entrusted our futures to his trusty Chev, and headed toward Washington. The Simpson Logging Company would have fired us before hiring us if they could have seen us taking our time driving. They had wanted us to get there by the first of June and by the fifth we were still wandering around in sage-brush country. Three-fourths of our driving day was spent going in directions other than West. Norman Sorge also was going to work for the Simpson Company; he left ahead of us and traveled by train. I think the guy likes the lounge cars. The reason Sorge took the train is that he let a "sheepskin" influence him into not wanting to associate with a couple of undergrads.

Upon our arrival in Shelton, Washington, we were given a briefing as to our type of work and the type of life we would be living for the summer. The area to be worked was located in the Olympic Mountains and the topography was impressed on us as being fairly rough. Sorge was already at camp by the time we arrived in Shelton and Sandy and I did not go up for several days.

Our camp was located about eighty-five miles from Shelton on the Wynoochee River. We drove part of the way by auto and some of the way by railroad. From the mass of twisted trackage at the end of the railroad we were confronted with the tall, majestic Douglas-fir and hemlock. It was a seven mile hike from this point to our camp. Our first trip in we did not have a prepared trail and our packs got mighty heavy on our backs. Toward noon we arrived at a river and I took my pack off so I could get my head back far enough to see across the narrow span of water. There she stood; the neatest little camp of rough lumbercastles I have ever seen. Oh yes, we had to cross the river--but how? It did not take long until we found the conveyance. It was a narrow, wobbly alder that had been felled across the span. We almost handed in our resignations until we saw the smiling face of Sorge on the other side. Knowing how Norm likes to get his feet wet and also that he can not swim, it spurred us on to greater strength so we could equal the mighty man on the other side.

This being a three man crew--as far as Minnesota is concerned, Sorge of sheep-skin fame, as Brede puts it, will continue this droll article. The work was divided into two sections--surveying and cruising. Fortunately I was on the surveying crew away from my two junior classmates--after all the prestige of the upper class men must be maintained. But in spite of working hard we got in a lot of swell trout fishing. Sandy really was the fisherman as he would fish until a searching party was organized and sent out to find him.

Speaking of searching parties we really had a beauty the time Bill Brede got lost. We finally found him sitting on a log, chewing Bull Dur-

ham--cigarette shortage. When first-aid had been administered to the wandering boy, we asked him why he had started out on his trek. Bill mournfully replied, "I saw a couple of cow elks and got lonesome."

All in all we had a swell summer and it was largely due to Gib Rucker, a swell boss, and the genial hospitality of Vern Davidson, the company's forest examiner.

P.S. "Sandy" Sandberg was supposed to contribute to the article, but he has already left for Cloquet to apply last summer's knowledge on the beautiful Norway pine of the Experimental Station.

FORESTERS' POWWOW

On the evening of Saturday, November 3, a group of foresters, Ag students, and their dates gathered around the fire at Como Park for another annual Foresters' Powwow.

There seemed to be confusion in the minds of some of the fellows as to which corner of the park the affair was to be held. However, being attracted by the unique characteristics of a forester's fire, everyone was soon gathered at the right place, and the evening's activities began.

Songs were sung with no one in particular being the leader, everyone taking a turn in starting the tune of his fancy. This being a foresters' affair, there was, of course, no getting around the singing of the song, "A Green, Green Forester", by some of the fellows who composed it last summer at Itasca Park.

To top off the evening, refreshments were served. They consisted of weiners, doughnuts, and good old-fashioned coffee brewed over the fire by the hands of true woodsmen.

Those in charge of the powwow were;forestry junior, Eric Clarke and forestry freshman, Bob Brown. Chaperons were Dr. and Mrs. Rees, Professor and Mrs. Brown, and graduate student Bob Beebe and Mrs. Beebe.

BONFIRE

The bonfire this year was partially a reunion of old school chums but mostly an introduction to the freshman class. This was the first good sized freshman class since the start of the war. From the way they turned out and the way they took to the spirit of things, we are sure they will make good foresters. Several service men now civilians first class brought back memories of past bonfires.

Songs together with stories of summer jobs provided the entertainment. Some of the stories were slightly on the fiction side, but good entertainment never the less. As usual, every one was hungry long before the coffee was ready, but eventually we settled down to the serious task of eating. So ended another Forestry Club Bonfire.

NORTH OF THE BORDER II

ERIC CLARKE

After school finished last winter quarter, I took the gallopin' Soo Line to Canada to take a summer job with the Dominion Forest Insect Investigations. It was the second summer that I had worked for the outfit, and the work was to experiment with the control of the spruce budworm and DDT. On April 12th, I arrived in Ottawa, Ontario, which was to be our headquarters for the summer.

The first assignment was to go to the Algonquin Provincial Park, Ontario, which is about two hundred miles west of Ottawa. We arrived in the Park the same evening. The snow was still on the ground, but the ice was out of the lake. We started working on the sample plots, and were ready to spray when the plane arrived a week later.

The Park has a number of good fishing spots, and we took advantage of this opportunity, but we fished more for the sport of fishing and usually returned the fish to the water with a wet hand. There was very little amusement in the Park, and the only event was V-E Day. On the 12th of May, we left the Park to go to the Kakabonga area.

Kakabonga is a region about 200 miles north of Ottawa in Quebec. The first difficulty was that everyone spoke French, which made it difficult to get anything to eat. We stopped at Maniwaki, Quebec, to get lunch--I whipped out my little English-French dictionary in anticipation of getting the noonday meal in French, and the waitress said, "What'll it be, boys?" When we arrived at our camp, we had to start pointing at things and mumbling under our breath to get anything to eat. The boss told me that I would not have any language difficulties if I mastered one phrase, "Voulez-vous promener avec moi ce soir, ma chere?"

At Kakabonga, there was a lot of fun even if there was a lot of work. Fifty-acre plots were sprayed with DDT with an airplane, and it would usually take about a week of ground work to get ready for a flight that would last about a minute.

One Sunday, we took a trip to a Hudson Bay Post at La Barriere, which was about twenty five miles up the lake. It took the best part of the day to get there, but it was worth the trip to see the Post. The inside of the Post was like any general store with the exception of all the furs that were around; the outside was painted white with a red roof and made the Post look like a gem set in the wilderness.

At Kakabonga, we lived at Wagoose, an old POW camp, which had shacks that were made out of spruce logs about a foot in diameter. It was a beautiful spot even if the road into camp was not. The road had been constructed as a winter haul road and was eight miles long. It was through sand, and I had the honor of driving a 2 1/2 ton truck over it. There were several hills that would stop everything, and every day I would have to make a new trail for the duals. The road was rough. No one could remember all the bad spots; one day we made a set of road markers out of long stakes that were painted orange. After that, it all depended on who was

driving; some drivers slowed down when they saw orange, and with others, it was signal for everyone to hang on tight because there was going to be a bump.

The only other user of the road was the Canadian International Paper Company's agent who also had a truck. After scaring each other out into the rhubarb, we had an agreement, I was to call up before I started down, and if he had started I would watch out, and if I got started first, he would watch out.

Right below Wagoose, there was one of the best fishing spots that I have ever seen. All that you would have to do was dangle a hook in the water, and there would be five fish stuck to it.

In the middle of August the physical properties of the spray were tested at St. Jovite, Quebec, where there was a large air field. One day we had an experiment set up, all the recording devices set out and white cards to catch the spray every hundred feet for two miles; then we went back to the lake to get the plane in the air. Meanwhile, a thrifty French farmer came along and picked up every card. This was not discovered until the plane was in the air, and it was a hard job trying to get all the cards down before the spray drifted to the ground.

After we left St. Jovite, the crew returned to Ottawa to tabulate all the data, that had been collected during the summer. I got out of this job as the boss, Mr. K. E. Stewart, wanted me to round up all the left-over insecticides that had been left at Algonquin and Kakabonga. I stayed in Ottawa until the first week in September, and then went fishing in the best spot in Algonquin Park before returning to Minnesota.

CANOES AND CANOEING OR LEGALIZED EUTHANASIA

BY WM. H. LONGLEY

There's no secret to the art of canoeing, nor is there any specialized knowledge required to make of one an efficient camper. I would say that anyone, almost anyone, can live a life of ease in the wilderness for as long as a day or two! The most urban of city dwellers can exist with comforts untold far from the grocery stores and trolleys and the whirl of night life with but the tiniest snitch of training in woodlore.

Accompany an experienced woodsman on a portage survey or on a portage maintenance trip deep into the wolf country from the Gunflint trail. The region there is made for canoeing: Lakes are strung between the parallel hills like great chains of pearls when viewed from the air. Between the lakes, sparkling channels of rushing water clamber across rock-strewn courses to connect most of them. Portages between the lakes are often located near such inlets or outlets. Think how fortunate is the canoeist that the lakes are so close together--hardly more than two miles apart in any instance that I encountered. The portages you'll like, however, are perhaps sixteen rods long, or, better, eight rods, or, much the better, none at all plus an outboard motor.

Let Old Dan shoulder the canoe across the first few portages. You'll see then how easy it is and be capable yourself of carrying it a dozen rods or so without tiring--if, that is, you can get it upon your shoulders in the first place. You'll not feel so weakly unskilled if you are soon able to carry it forty rods--to Dan's four hundred--and when he stumbles and dashes himself and canoe to the ground at the end of a half-mile carry, you'll be able to laugh sympathetically at him without feeling self-conscious.

A little about carrying packs--when, with an eighty pound pack of canned goods on your back and sleeping bag atop it, two paddles, two axes, and a fishing rod in your hands, your hat falls off, do not stoop over to recover the chapeau. To do that is impractical. You'll establish yourself, if you do, as a rank greenhorn, and you'll half-kill yourself, as I did, when you fall off-balance and off the trail down the embankment amid rock and tree and babbling brook. And all for the sake of a battered felt hat.

Navigation is an important consideration on a portage trip. To know where you're at, in other words, is prime. After a few weeks on the trail you should be able to leave the beaten path and strike off cross-country all alone, on your way back to camp for instance. Then it is a simple matter to build a big smudge or holler your head off or shoot away your cartridges in series of three meaning S.O.S. until Dan appears to show you how very nearly you had found your way. I never missed, with my meager experience, by more than four miles nor spent more than half a day in getting back. Often it is possible to assist the old-timer by offering

suggestions on map-reading if he momentarily seems to lose the way and cannot locate from the canoe the portage. You can show him what an easy matter it is to locate the portage from the map if he can't find it from memory. Having a great sense of humor, like all northwoods men, perhaps he may allow you to display your skill in navigation on the next couple of lakes. After hours of searching around islands that seem to be mainland and in bays which must surely be the portage location, his memory will "suddenly return" to lead the way. With his same old sense of humor he'll say, when he sees your seething madness, "If you shoot me, make the first shot count. You won't have time to shoot twice." Or maybe he's pretending to be bush-wacky already.

Just to show that you can go along with a gag, here's what you might do--Pretend ignorance in axemanship when he is working on the same log with you. Zing! You let the axe deflect. Swish! The axe sails in an arc over his head. Zowie! Old Dan is running hell-bent for safety behind some big tree. After maybe three such instances, two-bits he won't interrupt your chopping again. And, of course, when you want to be alone, all you have to do is reach over and pick up an axe.

Last time I saw Dan he was dashing madly down the trail, tearing at his hair, and cursing strongly. I finished my chopping and hurried back to civilization. I wonder if I wrote to him as intended thanking him for his fine companionship last summer. I want also, if I forgot, to thank him for showing me that there's no secret to canoeing or to camping in the wilderness (if I lived through it, anybody can).

(Editor's Note: Longley learned all about canoeing while working last summer in the Superior National on a portage survey and on fire trail maintenance.)

CANOE TRIP---WITH PAY

BOB LEE

One morning toward the end of last July, Jack Tucker and I were again standing along the road, with thumbs outstretched, hopefully waiting for a ride. It was a swell day, the type that makes you glad you're on the road and headed someplace. The last time we'd hitch-hiked together we'd been bound for Itasca Park, but we'd successfully navigated that part of the summer and were now bound for Ely and jobs with the Forest Service in the Superior National Forest.

We were both loaded down with heavy packs and must have looked like pack mules to the passing motorists. Nonetheless, hitch-hiking was good and we made Ely that afternoon in time to stop by the Ranger Station and nail down our jobs.

The next morning we laid in a supply of food (which we consumed very rapidly), were issued some equipment and tools, and then were driven out to where we were to begin work maintaining the portages and trails in that district. Jack was an old timer in that country, having guided canoe trips in that area during previous summers, but I was a comparative greenhorn---full of thumbs and elbows the first week or two. I had never carried a canoe before and nearly broke the canoe and my back before I finally could manage to carry the heavy Forest Service barge over short portages. Jack, being the true Voyageur in our party, could carry the canoe over a mile and a quarter portage with nary a stop for rest!

We'd been in the woods nearly a week when another man joined us and increased our party to three. We worked the portages along a river that runs from Lac La Croix, on the border, to Little Trout Lake. Little Trout flows into Big Trout, logically enough, and Big Trout is just a short portage from Lake Vermillion and Tower, Minn.

We spent one week-end in town, but generally our monstrous, weekly grocery order was delivered to us by one of the Forest Service planes. The Forest Service was utilizing Taylor Cubs mounted on pontoons to do patrol work over the areas that are not protected by the regular lookouts. On Saturdays they doubled as mailman and delivery boy to bring our "chuck" and mail to whichever lake we happened to be camped on.

Only one mishap befell our party during the summer. The extra man in our party gashed his leg with an axe. Drs. Tucker and Lee officiated, patching him up sufficiently to permit him to hobble eight miles to the road and bum a ride into town and to a doctor. He was swallowed up in the wilds of Ely and we heard from him no more.

Time passes very quickly in the woods; the maples turned red and the birches took on a deeper golden color each day. When the fifteenth of September, arrived we were jobless, but richer in experience of the kind that no school but the outdoors can teach. The work had seemed hard and menial at first, but back in the class room, humped over a pile of text books furiously taking notes on some abstract subject, last summer's work has taken on a new significance to Jack and me, as I'm sure it must to

every Forester who has spent his summer in the field.

After work, Jack returned home and demonstrated his axmanship by cutting the winter's supply of wood for his folks. I took a busman's holiday and went on a canoe trip along the border. It rained for a week straight. On October first we both returned to the fold and began the process of being re-domesticated for the year that was to follow.

ALUMNI
NOTES
AND
DIRECTORY

ALUMNI NOTES

EXTRA!

EXTRA!

Recent Release from the U.S. Forest Service

"Lyle F. Watts, Chief of the Forest Service, U. S. Department of Agriculture, today announced the appointment of Harold L. Mitchell as Director of the Central States Forest Experiment Station at Columbus, Ohio. As head of the Lake City, Florida, branch of the Southern Forest Experiment Station for the past three and one-half years, Mitchell played an important part in developing more efficient methods of producing gum naval stores - turpentine and rosin - which became critically scarce during the war."

Congratulations, Harold, on this attainment and high honor!

- Chalmer W. Gustafson, '41, reports that he is now stationed at Thompson Falls, Montana, with the Forest Service in the Cabinet National Forest. His work consists mainly of general administration and fires, but he is at the present time detailed to Spokane on a blister rust project.
- Warren W. Chase, '26, is now the professor of Wildlife Management at the University of Michigan and is developing a series of four courses in wildlife management for the School of Forestry.
- Elmer R. Marks, '29, is still with the Forest Service on the St. Joe National Forest as district ranger with headquarters at Clarkia, Idaho.
- Ross Boobar, '38. Ross' mother writes that he is still overseas in an Engineer Construction Battalion in Korea and that he hopes to return to the States in the near future.
- Fred L. Jacobson, '39, tells us that he is back at his old job as a State Conservation Warden at Babcock, Wisconsin, after serving 35 months in the Navy as a PT boat skipper, for which he won the Silver Star. He also reports that Carl Wallin, '40, is still in the Navy at Great Lakes.
- F. M. Thompson, '37, has moved his office from Two Harbors to Duluth and is still running the North Star Company's logging operations.
- Roy W. Keskitalo, '39. Roy's wife writes from Ely, Minnesota, that Roy is still in the Navy aboard the USS Frederick Funston as communications officer, and that he expects to receive his discharge soon. Roy has a two year old forester in the family.
- Howard B. Osmundson, '41, writes from Jordan, Montana, that he is still holding the fort for the Soil Conservation Service in Garfield County.

Bill Jipson, '41, is now in Wautoma, Wisconsin, as a Soil Conservationist with the SCS. He spent three years in the Army Engineers. Bill reports that Peder Lund, '35, is with the SCS at Barron, Wisconsin, and that Bob Teitgen, '40, is with the telephone company at Delaven, Wisconsin.

S. A. Graham, '14, is still at the University of Michigan as professor of entomology. Even after 19 years in Michigan, S.A. still feels very much at home in Minnesota.

Otis M. McCreery, '22, is now with the Aluminum Company of America in Los Angeles, California.

Sigurd J. Dolgaard, '36, is district ranger on the Blackduck District of the Chippewa National Forest, Minnesota. He reports that Leonard Moore, '32, is staff assistant at Cass Lake; Howard L. Brown, '35, is the district ranger on the Cutfoot Sioux District of the Chippewa; and Milton H. Forder, '30, is district ranger on the Dora Lake District of the Chippewa.

Arvid Tesaker, '30, writes from Gaylord, Michigan, that he is now a "Work Unit Conservationist" for the Soil Conservation Service on the Otsego Soil Conservation District.

Dick Kroll, '38, is now with Lund and Kroll Sporting Goods in Bemidji, Minnesota, after spending 40 months with Uncle Sam. He has news that Charles Kirk, '37, is now a state forester for Missouri and is located in Ellingsworth; Tex Saarnio, '38, is in Duluth after two and one-half years in the South Pacific; and that Goodman Larson, '39, is now a biologist with the U.S. Fish and Wildlife Service at Billings, Montana.

Forrest W. Olson, '40, is in Olney, Illinois. He left the Service in October and started working with the Illinois Department of Conservation, Division of Forestry as of the first of December, 1945, doing forest management work. He reports that he has two sons. Forrest mentions that Randy Strate has returned to Michigan to run his summer resort and a sawmill on the side. Randy has three boys, the last two are twins.

John A. Rundgren, '33, is still the district ranger on the Pike National Forest with headquarters at Bailey, Colorado.

David M. Williams, '29, has been on the Sequoia National Forest from 1940 to 1945, but is now on the Lassen National Forest with the Supervisors staff, in charge of Fire Control and Engineering, with headquarters at Susanville, California.

J. B. Berry, '10, is the head of a newly created school of agriculture for GIs at the Florida Southern College. He started off with a course in citrus culture with an enrollment of eight students. He plans to return to his farm in Adams County, Pennsylvania, this summer, and invites all Gophers to visit him.

Roy A. Johnson, '31, is up in Wegdahl, Minnesota again. He just got out of the Navy after three and one-half years of service. Roy writes that he saw some of Brazil's forests and some of the most beautiful furniture woods that he has ever seen.

- John Mead, '38. His father writes that John is still in Europe with the Air Force and that he expects to return to the States come spring with a mighty attractive English bride.
- Leo E. Wiljamaa, '34, is now in Tower, Minnesota. He has been in the Army for 39 months and received five battle stars and one bronze arrow-head.
- Hubert L. Person, '21, has just been transferred to Nagadoches, Texas and finds that the southern pines are quite a change from the redwoods of California. He was transferred to establish the East Texas branch of the Southern Forest Experiment Station.
- Peter H. Schuft, '36, is now with the National Park Service as of February 1st, 1946 and is on the Casa Grande National Monument at Coolidge, Arizona. He was in service as a Chief Specialist and Athletic Instructor at De Pauw University in Indiana and then went to the South Pacific.
- John Sweeny, '40, is now in Shoemaker, California, in the Navy. He hopes to be discharged about March 15th and he will be at home in Minnesota after that. He has served 3 1/2 years and says that the only classmate that he ran into in that time was Royden Knowles, who is a Lieutenant Commander in the Naval Air Corps.
- James R. Gillis, '11, is now working on his own and has developed a machine for shaking the bark off logs and small trees which is quite successful. Mr. Gillis is now on the west coast after spending a number of years in Brainerd, Minnesota. He tells us that Norman Jacobson, '10, is with the St. Paul and Tacoma Lumber Company and that John Miles, '40, and Vince Bousquet, '37, are still working with Weyerhaeuser. Jim hopes that any Minnesota forester passing through Tacoma will look him up.
- Carl R. Dion, '38, writes from Blue Spruce Manor in St. Paul, that he is beginning to have his own logging operations and nursery stock from his "eighty". He is working for the J.M. Dalglish Company as chief Inspector.
- Howard A. Post, '39, reports from Washington D. C. that he has just been discharged from the Air Corps. He is still in Washington and is with UNRRA. He is now a member of the Washington Section of the Society of American Foresters, where he sees George Olson, '31, Vic Anderson, '37, Dick Smith, '37, Ossie Krogfoss and many others. Howard says that he and his wife (Delores Nordlund, graduate of the library school) are expecting the first addition to their family along in September.
- Richard C. Smith, '37, has just put ye olde Navy uniform in moth balls and both he and his wife will attend Duke University starting March 1st-- she will be in nursing and he in forestry. Dick reports that John Kuenzel, '26, and Eldon Behr, '40, are still holding down the office in the Bureau of Ships.
- Frank I. Rockwell, '06, is now State Forester for South Dakota, and he has set up a new forestry and conservation program for the state.

- George Boyeson, '43, is technical forester attached to the supervisor's office at Park Rapids. He is running reconnaissance and developing a management plan for the Paul Bunyan State Forest just west of Walker. He reports that he was discharged from the service in December and that he has run into another Minnesota graduate, Vince Lindstrom, who is with the State Nursery at Badoura, Minnesota.
- G. B. Amidon, '36, is still with the Minnesota and Ontario Paper Company in Minneapolis, and tells us that there are a number of Minnesota graduates with the company at International Falls, such as O. O. Koski, '35, E. Laitala, '33, F. T. Fredrickson, '31, Ray Jaskiviak, '36, and Robert Olson, '38.
- Oswald K. Krogfoss, '35, is an instructor at Fort Leonard Wood, Missouri, and has been in the service since June, 1943.
- Wilfred Lauer, '35, is in Winona, Minnesota as a farm forester on a project cooperately administered by the University of Minnesota Extension Service, the Minnesota State Department of Forestry and the U.S. Forest Service. All the work is done in Winona and Houston counties. He reports that Ted Holt, '34, is among the Indians at Old Fort Defiance, Arizona, and that Weston Donehower, '31, is now with the Cellophane Division of the Du Pont Company in Wilmington, Delaware.
- Frank Shearer, '37, is now in Portland, Oregon. He reports that he and his wife and two small daughters are all in good health and that they are building a new home (a Cape Cod Colonial with all wood construction) in Eugene, Oregon. After June 1st, they will welcome any Minnesota Foresters that are out in that neck of the woods in their new abode at 81 West 23rd Street, in the newly crowned lumber capital of the world.
- James O. Folkstad, '39, writes that at present he is District Ranger on the Gunnison National Forest. He reports that his family had an addition - a daughter on December 23rd last - and that they also have a boy who is two.
- Ralph W. Lorenz, '30, is still the Associate Forester of the Department of Forestry at the University of Illinois and he reports that there are several Minnesota foresters in Illinois.
- Walter M. Moore, '09, is still located at Wright Field, Ohio. He served as a Major in the Army Air Corps. He is now a civilian and is an Administrative Officer in the Statistical Section. He is also with the Chamber of Commerce in Osborn, Ohio, and has been Adjutant of his American Legion Post for more than 20 years.
- Richard W. Ahern, '40, has returned to his position as Immigration Inspector at Sweet Grass, Montana after three and a half years in the Thirteenth "Jungle Air Force".
- Donald H. Overholt, '39, is now engaged in Military Personnel at Lowell General Hospital at Fort Devens, Mass., and has signed up to remain in the Army until spring.

Donald E. Price, '33, has just returned to the Forest Service after almost five years in the Army and was promoted to Lt. Colonel shortly before he was discharged. He is now District Ranger on the Bear Mountain District of the Harvey National Forest in South Dakota, which is one of the few national forests on sustained yield.

Paul Goodmonson, '45, reports that he is now with the Crown Zellerbach Paper and Pulp Corporation after being discharged from the Navy on February 18th. He is now running a planting crew of fourteen men.

J. N. Van Alstine, '28, is now a timber management assistant on the Jefferson National Forest. He reports that he met "Stampede" Anderson, '29, in Elizabethton, Tennessee. "Stampede" is now on the Watoga District of the Cherokee National Forest.

Hiram Hallock, '42, is no longer with the Crossett Lumber Company. He has started "The Tree Cropper Service" in Southern Wisconsin, and reports that he has designed and built a highly mobile and rapidly set up portable sawmill and is doing custom sawing for small timber owners. He has also started a consulting forestry service available to those who desire it. He has been advocating the treating of timber as a crop -- to be handled and harvested as such. He reports that Sulo Sihvonen who was with the U. S. Rubber Company in Bolivia during the war is now with the Crossett Lumber Company in Crossett, Arkansas.

George Gustafson, '39, has been released from the Navy and is Chief Forester of the Sinnissippi Forest at Oregon, Illinois. A. Dale Chapman, '29, is now off the high seas and is back with his first love, "penta". Don E. Pierce, '44, got married last fall and took his bride to the Arkansas hills. Don saw fit to forsake the University of Illinois for a land where he can work without his shoes on. Joe Loomis, '38, is acting state forester for Illinois and a mallard shooter of no ill repute. Paul Seastrom, '34, is now a "jack-of-all-trades" man with the United Electric Coal Company of Illinois. Vernon Hahn, '41, is a farmer planner with the SCS at Amboy, Illinois, and Forrest Olson, '40, is at Mt. Carmel, Illinois, where he will act as farm forester. Rolland Lorenz, '30, who has been on the rubber program in Peru for the past 4 1/2 years, sails for the States on July 15th.

L. S. Tuttle, '17, reports that he is still in Minneapolis and that he has shifted from trying to sell lumber to trying to find lumber! He would be pleased to hear from any of the boys in the producing area.

Charles E. Hutchinson, '39, reports from Berkeley, California, that he is still with the Bank of America, and that he is still a Utilities man. He says that he saw Bob Delaven, '38, at Hamilton Field, California, waiting for his discharge in September.

Harry W. Carskaden, '45, has been working with the Minnesota Mining and Manufacturing Company since graduation. We have great hopes for Harry!

Joe App, '41, should be back with the U. S. Forest Service in Ely right about now. He spent over three years in active duty with the Marines.

Dan Benjamin, '39, got back from the service in January and is now completing his graduate work in Entomology at University Farm.

Joseph Gjertson, '38, is back with the Forest service as a junior forester. He is working on the Twisp Ranger District, Twisp, Washington. Joe is in charge of timber sales on the district. The logging operations are based on the sustained yield method.

George Mueller, '37, was in the Army Engineer Corps for four and one-half years; and was in the Southwest Pacific for over two years. He is now with the U.S. Coast and Geodetic Survey.

Raymond Wood, '38, is working in the Minnesota Agricultural Extension Division as Assistant Extension Forester. Ray returned to Minnesota in November, 1945 after a tour of duty in the Mariana Islands with the 20th Airforce. He was awarded the Bronze Star for meritorious service.

Norbert Zamor, '41, is a research assistant at Minnesota working with Dr. Kaufert on the preservation treatment of fence-posts. He also teaches field dendrology in cooperation with Dr. Rees. Norbert is working on his Master's Degree. He returned to the U. in February, 1946 after service in the Air Corps stationed on Tinian and the Marianas.

Doug Parsons, '41, is working on his M.F. for wood technology at Minnesota. At present he is on aspen bark experiments working with Dr. Rees. Doug returned to Minnesota last fall after seeing much service with the AAF in Burma.

ALUMNI DIRECTORY

1899

Chapman, Herman
Professor Emeritus
Yale School of Forestry, New Haven,
Conn.

1903

Erickson, Martin L.
Flandreau, S. D.

1905

Cuzner, Harold
First to receive degree of B.S. in
forestry Agricultural College P.I.,
Los Bonos, Laguana, P.I.

1906

Cox, William T.
2186 Doswell Ave., St. Paul, Minn.

Detwiler, S. B.
Section of Woodland Management,
Division of Conservation Opefation,
Soil Conservation Service,
Washington, D. C.

Rockwell, Frank
State Forester
Pierre, S. D.

Tierney, Dillon P.
126 S. Wheeler, St. Paul, Minn.

1907

Blake, Philip
Glendora, California.

1908

Canavarro, Geo. deS.
Deceased 10/18/43.

1909

Moore, Walter M.
34 N. Central Ave., Osborn, Ohio.

Orr, George R.
Deceased.

1910

Baker, Norman M.
Deceased 1930.

Benson, Arnold O.
Forest Products Laboratory, Madison,
Wisc.

Berry, James B.
Waverly Citrus Growers Co-op
332 Ave. E. Southeast,
Winter Haven, Fla.

Brewster, Donald R.
Herty Foundation Laboratory,
Savannah, Georgia.

Deering, Robert
630 Sansome St.
San Francisco 11, California.

Jacobson, Norman G.
St. Paul & Tacoma Lumber Co.,
Tacoma, Wash.

Krauch, Herman
Southwest Forest Experiment Station,
Tumamoc Hill, P. O. Box 951, Tucson,
Arizona.

Lewis, Chas. L. Jr.
125 S. Oxford St., St. Paul, Minn.

Underwood, Clarence
305 N. Fourth Ave., Yakima, Wash.

1911

Arrivee, David A.
Ass't. Forester, Weiser Nat'l. Forest,
Weiser, Idaho.

Beard, Frank W.
(No address)

Bowen, Clarence Winthrop Jr.
Deceased.

Brownlie, James R.
Deceased 3/21/42.

Campbell, Hugh B.
Supt., Weyerhaeuser Lumber Company,
Klamath Falls, Oregon.

Eisenach, Walter
Duluth, Minn.

Gillis, James R.
507 57th Street, S. Tacoma, Wash.

Hamilton, Carl L.
c/o Booz-Allen-Fry-Hamilton,
Chicago, Ill.

1911

Hauge, Adolph G.
Forest Supervisor, U.S. Indian Serv.,
Hoquian, Wash.

Hofmann, J. V.
Dept. of Forestry, State College,
Raleigh, N. C.

Kenety, W. H.
Fitchburg Paper Co., Fitchburg, Mass.

Martin, Dean W.
Dept. of Internal Revenue, Wash., D.C.
(Home Address) Lanham, Md.

Oppel, Arthur F.
Dept. of Conservation, State Office,
St. Paul, Minnesota.

Underwood, William W.
Deceased 3/8/31.

Weber, Henry
State Forester, State Office Bldg.
St. Paul, Minnesota.

Williams, Donald T.
(No address-5/33)

Young, J. Paul
6913 37th Ave. S.W., Seattle, Wash.

1912

Beyer, Walter F.
The Home Insurance Co.
59 Maiden Lane, New York, N. Y.

Blodgett, Harvey P.
Erhard, Minnesota.

Clymer, Wm. Raymond
1626 Laurel Ave., St. Paul, Minn.

Conzet, Grover M.
Northeastern Timber Salvage Admin.,
Philadelphia, Pa.

Harris, S. Grant, Jr.
Pege and Hill Post and Pole Co.
1017 Plymouth Blvd., Mpls., Minn.

Hodgman, Arthur W.
U. S. Forest Service, Box 2456
Ketchikan, Alaska.

Norman, Sigvald
512 Coeur D'Alene Ave.,
Coeur D'Alene, Idaho.

Orr, John E.
Hines Lumber Company
Chicago, Illinois.

Pearce, William R.
1114 W. Third St., Red Wing, Minn.

Pettibone, Herman N.
Chicago Mill & Lumber Co.
Milwaukee, Wisconsin.

Spellerberg, Fred E.
Deceased.

Stevenson, John A.
Mycology and Disease Survey,
Bureau of Plant Industry,
Beltsville, Maryland.

Wilson, Robert
16505 Mission Blvd.
San Fernando, California.

1913

Buhler, Ernest O.
U. S. Forest Service
Albuquerque, New Mexico.

Erstad, Andrew
Klamath Falls, Oregon.

Griffin, Thomas
3529 Humboldt Ave. S.,
Minneapolis, Minn.

Hall, Howard E.
c/o Cascade National Forest
Eugene, Oregon.

Haworth, Robert
Oakland, California.

Henchel, Norman
(No address 1936)

Nuffer, Harry D.
(No address 1937)

Moir, John
2177 Inglehart Ave.
St. Paul, Minn.

Renshaw, David
Deceased.

Rogers, Ernest
Deceased.

Savre, Oliver
Dominion Forest Serv. Dept. of Lands
& Minerals, Ottawa, Canada.

1913

Simpson, Charles D.
Box 541, Baker, Oregon.

Tobin, Paul
Potlatch Forests, Inc.,
Lewiston, Idaho.

Wiggin, Gilbert H.
Robinson Experiment Sub-Station,
Quicksand, Ky.

1914

Aldworth, Donald
154 Nassau Blvd., Garden City, N. Y.

Braden, Kenneth
Fairfield, New Hampshire.

Cummings, Thos.
Ft. Benton, Montana.

Freeman, George
131 Hooper Ave., Toms River, N. J.

Graham, Samuel A.
School of Forestry and Conservation,
Univ. of Michigan, Ann Arbor, Mich.

Lindeberg, Geo. C.
Lumber business
Fairmount, Minn.

Mueller, Alfred T.
(No address)

Ringold, S. L.
1908 Selby Ave., St. Paul, Minn.

Rose, Logan
Mankato, Minn.

Spink, Harold W.
210 Wistoren Road, Kansas City, Mo.

St. Marie, A. A.
(No address 6/28)

Torgrin, James R.
Deceased.

1915

Change, Jenner
Highway Dept., Bismarck, N. D.

Dunn, Frank
325 Buena Vista, Colo.

Hawkinson, Carl
Supt. of Parks, Virginia, Minn.

Schantz-Hansen, Thorwald
Forest Experiment Station
Cloquet, Minnesota.

Sisho, Paul C.
Room 708, 315 W. 5th St.
Los Angeles, Cal.

Wyman, Hiram
Hollister, California.

1916

Bartelt, Harry
Boy Scouts of America, 402 Moore Bldg.
Duluth, Minn.

Bell, Ernest T.
Deceased.

Broderick, Martin J.
1535 "P" St., N.W., Washington, D.C.

Crane, Leo
San Antonio, Texas.

Dennis, Henry M.
Tacoma Lumber Company
Tacoma, Washington.

Gjerlow, Atle
Augustinas 1225, Piso 6,
Santiago de Chile, South America.

Hyde, Luther
Deceased.

Johnson, Oscar
Philadelphia, Penna.

Rhoads, Ralph
717 S. 25th Ave., Ft. Lauderdale, Fla.

Schwartz, Edwin R.
Marinette, Wisc.

1917

Burnes, John D.
Page and Hill Pole Co.
Consolidated Treating Co.
Robbinsdale, Minn.

Forsberg, Carl
Deceased.

Tuttle, Lauren S.
Tuttle Lumber Co., 807 Marquette Ave.
Minneapolis, Minn.

1918

Danson, Robert O.
Sullivan, Missouri.

DeFlon, Leland L. (Rev.)
419 Caly St., West Liberty, Ia.

Hauser, George W.
Asst. Football coach
Univ. of Minn.

Pendergast, Earl S.
13215 Birwood St., Detroit, Mich.

Swanson, Herbert W.
Kimberly-Clark Paper Co.,
Neenah, Wisc.

1919

Backus, Romaine
1953 Cheremoya Ave., Hollywood, Cal.

1920

Brayton, Shirley
U. S. Forest Service,
Huron N.F., Mio, Michigan.

Frudden, C. M.
Greene, Iowa.

Grabow, R. H.
1515-16 St., Bedford, Indiana.

Isaac, Leo A.
Pacific N.W. Forest Experiment Sta.,
423 U. S. Court House Bldg.,
Portland, Oregon.

Palmer, P. R. (Rev.)
525 Court St., Muskogee, Oklahoma.

Schmid, Walter W.
Deceased.

1921

Anderson, P. O.
Extension Forester
University Farm, St. Paul, Minn.

Dwyer, Daniel E.
969 Goodrich Ave., St. Paul, Minn.

Erickson, Leyden
Calif. Range and Forest Experiment Sta.
U.S. Forest Service, Berkeley, Calif.

Grapp, Lloyd
U.S. Forest Service, Federal Bldg.,
Milwaukee, Wisc.

Ostrowski, Francis
785 Ridge Ave., St. Paul, Minn.

Person, Hubert
Southern Forest Experiment Station
Nagadoches, Texas.

Waskerman, Albert
Box 4744, Duke Forest School
Durham, N. C.

Whiton, Arthur
Chicago Mill and Lumber Co.,
Chicago, Illinois.

1922

Anderson, Alvin A.
Chicago Mill and Lumber Co.,
Chicago, Illinois.

McCreery, Otis C.
Personnel Officer,
Aluminum Co. of America
5151 Alcoa Ave., Los Angeles, Calif.

Nelson, Ralph M.
Asst. Dir. Appalachian For. Exp. Sta.
Federal Bldg. Ashville, N. C.

Sheehan, John A.
St. Cloud, Minn.

Thayer, Burton W.
U. S. Plywood Co.,
2309 Carter Ave.,
St. Paul, Minn.

1923

Burton, Sidney S.
2521 Sumner
Lincoln, Nebraska.

Chesebrough, Herbert S.
West Liberty, Iowa.

Chrostopherson, Clifford O.
1109 W. Lawrence St., Appleton, Wisc.

Dockstader, Chas. L.
2140 Niles St., St. Paul, Minn.

Fegraeus, Thorbern L.
Deceased.

Fenger, Gunnar K.
Deceased.

Frost, Orcutt W.
U. S. Gypsum Co.,
1253 W. Diversey Parkway, Chicago, Ill.

1923

Hamilton, Hubert D.
Northwest Forest Experiment Station
Portland, Oregon.

Leffelman, Louis J.
R.F.D. 3, Sumter, South Carolina.

Nelson, Arthur L.
U.S.F.S., Asst. Regional Forester
Denver, Colorado.

Probstfield, Edwin E.
Bus. Add. (2/46) c/o U.S. Rubber Co.
1230 Sixth Ave., New York City.
Res. (2/46) Hotel Brittany,
55 E. 10th St. New York 3, N. Y.

Stevens, Raymond E.
4416 McCulloch St.
Duluth, Minn.

Streinz, Augustine J.
U.S. Forest Service, Glenn Bldg.
Atlanta, Ga.

Sunday, Clarence W.
4022 Harriet Ave., Mpls., Minn.

Tilden, Floyd H.
(No address)

Youngers, Paul Wm.
(No address)

1924

Berggren, Harold R.
Weyerhaeuser Lbr. Co., Jamestown, N.Y.

Betzold, Harold J.
S. Sixth St., Brainerd, Minn.

Bryan, Philip H.
U.S. Forest Service, Federal Bldg.,
Hot Springs National Park, Ark.

Gay, Chester
Moose Lake, Minn.

Gordon, Joseph
Gardner Pur. Unit, Springfield, Mo.

Hoar, Walter G.
Shell Lake, Wisc.

Kribs, D.A.
311 Buchout Laboratory
State College, Pa.

Lynne, Victor A.
Nevis, Minn.

Maturen, Herbert F.
Minnesota Mining Co.
St. Paul, Minn.

Nelson, Albin C.
R.R. 1, Box 5, Christine, N. Dak.

Ostergaard, Harold
Div. of Forestry, State Office Bldg.,
St. Paul, Minn.

Pillow, Maxon Y.
Forest Products Laboratory
Madison, Wisc.

Ritchie, W. A.
209 High St., Neenah, Wisc.

Sheffield, Ernest F.
3542 Hennepin Ave., Mpls., Minn.

Upton, Nelson
Marks Apt., New Haven, Conn.

Wesig, Carl O.
1456 Branston St.
St. Paul 8, Minn.

1925

Barrett, Wilford W.
Carborundum Co., Niagara Falls, N.Y.

Baumhofer, Lynn G.
Deceased.

Blandin, Howard M.
320 S. 23rd, Quincy, Ill.

Cooper, George Proctor
Ch. Karakul Asso., Johnstown Corners,
El Cajon, California.

Flanagan, Clement Michael
Antigo, Wisc.

Ilstrup, Marshall
Deceased.

Jackson, Lyle W. R.
Forestry School, Univ. of Ga.,
538 Castalia Ave., Athens, Ga.

Jensen, Victor S.
Allegheny Experiment Station
622 Bankers Securities Bldg.
Philadelphia, Penna.

Litchfield, Wickliffe Van Sant
U.S. Forest Service, 745 N.E. Laurel,
Portland, Oregon.

1925

Maughan, William
School of Forestry, Duke Univ.,
Durham, N. Car.

Peel, William Frederick
Deceased.

Racey, Charles H.
1213 W. Third St., Ashland, Wisc.

Thomson, Roy Bertrand
Duke School of Forestry, Durham, N.C.

Wilson, Walter Gee
U.S.F.S. Rolla, Mo.

1926

Blage, Arland C. (Rev.)
222 Rider Ave., Malverne, N. Y.

Bjornstad, Eugene G.
(No address)

Chase, Warren
School of Forestry & Conservation
Ann Arbor, Michigan.

Christianson, David Alten
Hinckley, Minn.

Coffey, John J.
1842 Berkeley Ave., St. Paul, Minn.

Corson, Carlyle W.
Cpt. 0530486 Eng. Sect., Hgy., Co. Z.
A.P.O., New York.

Eklund, Raymond A.
(No address)

Erickson, Eugene T.
Millbrook, N.Y.

Everts, Ambrose B.
U.S.F.S. 1114 Smith - Tower Bldg.
Seattle, Washington.

Goldberg, Hyman M.
U.S. Forest Service, Madison Bldg.,
Milwaukee 3, Wisc.

Henry Leslie G.
Chochetopa National Forest
La Garita, Colorado.

Hyatt, Harry Henry
Soil Conservation Service
Watsonville, Calif.

Janssen, George R.
455 Univ., Ave., St. Paul, Minn.

Kaner, Arnold M.
102 9th St., Cloquet, Minn.

Kelsey, Harold B.
2817 17th Ave., S., Mpls., Minn.

Kuenzel, John Gustav
Bureau of Ships, U.S. Navy, Wash., D.C.

Lindgren, Ralph Melvin
A.D. Chapman & Co., Inc.,
Pere Marquette Bldg., New Orleans, La.

Lystrup, Herbert T.
(No address)

Manuel, Ronald M.
618 Park Ave., Albert Lea, Minn.

Sargent, George
Deceased.

Shaddock, Nobel
1133 First Nat. Soc Line Bldg.,
Minneapolis, Minn.

Umbehocker, Kenneth
Deceased.

Watts, Paul K.
(No address)

Whitchurch, Gale M.
U.S. Forest Service, Calif.

Zierke, Edward A.
1678 Selby St., St. Paul, Minn.

1927

Carlson, C. Homer
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Chapman, Roy A.
Hitchiti Exp. Forest, Round Oak, Ga.

Clement, Raymond
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State Office Bldg., St. Paul, Minn.

Deen, Joshua Lee
Dean of College, Div. of Forestry,
Colo. State College, Ft. Collins, Colo.

Delaney, Richard
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Eaton, John J.
(No address)

1927

Hartupee, Charles H.
(No address)

Himebauch, William K.
Ft. Snelling, Minn.

Holmberg, Ralph E.
Deceased.

Horton, Gerald S.
Peru, Ill.

Knutson, Clarence
State Sanitarium, Ah-Gwah-Ching,
(Walker), Minn.

Knutson, Clifford J.
U. S. Forest Service
Region 9

Kolbe, Ernest L.
Western Pine Association
Rt. 3, Box 226, Klamath Falls, Ore.

Krueger, Carl G.
Pisgah National Forest, Asheville, N.C.

Lawson, Edward L.
Minn. Forest Service
State Office Bldg., St. Paul, Minn.

Leaf, George Paul
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Lotti, Thomas H.
U.S.F.A. Fed. Bldg., Asheville, N.C.

or

Santee Exp. Forest, Witherbee, S.C.

Marttila, Uno M.
U.S. Forest Service, Park Falls, Wisc.

Nelson, Stanley C.
3241 18th Ave. S., Mpls., Minn.

Orr, Leslie W.
Bur. Entomology and Plant Quarantine
Beltsville, Md.

Sheridan, Edgar
(No address)

Swanbeck, Herbert J.
3048 5th Ave. S., Mpls., Minn.

Trench, Paul E.
3936 Reservoir Blvd., Mpls., Minn.

Verrall, Arthur F.
Div of Forestry Pathology
So. For. Exp. Sta., New Orleans, La.

Whitney, Fenton G.
Asst. Supervisor, Rogue River Nat. For.
Medford, Oregon.

Wilson, Earl G.
Nursery Supt., U.S.F.S.
Chillicothe, Ohio.

1928

Blatter, Paul W.
Olympic Forest Product Co.,
Port Angeles, Wash.

Clark, Edgar W.
1322 12th Ave. N., Fargo, N. Dak.

Cook, Oliver M.
3942 Queen Ave. N.,
Flour City Paper Box Co., Mpls., Minn.

Cooper, Arthur E.
(No address)

Deters, Merrill E.
Dept. of Forestry, U. of Idaho,
Moscow, Idaho.

Fischer, William H.
U.S. Forest Service, Atlanta, Ga.

Foster, Ellery A.
Dir. of Research, C.I.O. International
Wood Workers of America, Portland, Ore.

George, Ernest J.
U.S. Field Station, Mandan, N. Dak.

Grant, Albert F.
Owatonna, Minn.

Halvorson, George M.
Western Elec., Co., Mpls., Minn.

Harvey, Harry G.
6418 N. Albany Ave., Chicago, Ill.

Homola, Jerome P.
U.S.F.S., Remer, Minn.

Kaufert, Frank H.
Div. of Forestry, U. Farm,
St. Paul, Minn.

Kirkham, Dayton P.
U.S.F.S., Montezuma Nat. Forest,
Mareus, Colo.

Knudson, Ray
U.S.F.S. Upper Mich. N.F., U.S.P.O. Bldg.,
Escanaba, Mich.

1928

Linstrom Gustaf A.
U.S.F.S. Athens, Ohio.

Norgorden, Emil
Chugach National Forest,
Seward, Alaska.

Piras, Stanley B.
1430 Iowa Ave. W., St. Paul, Minn.

Rathbun, Harold F.
National Pole and Treating Co.,
Mpls., Minn.

Robinson, Winfield N.
Deceased.

Rudolf, Paul Ott
Lake States Forest Experiment Sta.,
U. Farm, St. Paul, Minn.

Strimling, Harry H.
1008 Goodrich Ave., St. Paul, Minn.

Van Alstine, J. Neil
U.S. Forest Service, Box 40,
Roanoke 1, Va.

Whitehill, Benjamin M.
U.S. Forest Service, Meeker, Colo.

1929

Anderson, Waldemar R.
U.S.F.S. Elizabethtown, Tenn.
(Cherokee N. F.)

Andrews, Shirlee B.
128 N. Candler St., Decatur, Ga.

Chapman, A. D.
A. D. Chapman & Co., Inc.,
333 N. Michigan Ave., Chicago, Ill.

Christensen, Clyde
Div. of Plant Pathology, U. Farm,
St. Paul, Minn.

Crew, John E.
3208 21st Ave. S., Mpls., Minn.

Hallin, William
Calif. Forest Expt. Station,
331 Giannini Hall, Berkeley, Calif.

Light, James B.
U.S. Forest Service, Ravensford, N.C.

Marks, Elmer R.
U.S.F.S., Clarkia, Idaho.

Neetzel, John R.
Lakes States Forest Exp. Station,
U. Farm, St. Paul, Minn.

Nelson, Henry Q.
Private Forestry Work, Duluth, Minn.

Parr, Thad J.
46 Hillhouse Ave., New Haven, Conn.

Peterson, Harry A.
6325 Central Ave., Indianapolis, Ind.

Ritter, Lawrence B. J.
State Forest Service,
Old State Capitol Bldg., St. Paul, Minn.

Roan, Audray G.
Gamble Store, Rochester, Minn.

Thomas, Ralph Danford, Jr.
902 7th St. S.E., Mpls., Minn.

Tilden, Ray B.
U.S. Forest Service, Quanah, Texas.

Williams, David M.
U.S. Forest Service, 801 Gay St.,
Susanville, Calif.

Wogensen, Adolph K.
U.S.F.S., Mt. View, Wyoming.

1930

Aamot, Arthur Loren
Forestry Sp., St. Louis County Sc.,
Virginia, Minn.

Anderson, Carl H.
Como Sta., St. Anthony Park,
St. Paul, Minn.

Anderson, Milton L.
519 Fifth St. S., Virginia, Minn.

Anderson, Robert T.
417 Ben Franklin Bldg.,
Santa Barbara, Calif.

Benson, C. Eynar
U.S.F.S., Hector, Ark.
(Ozark Nat. For.)

Boettcher, Paul F.
Eveleth Nursery, Eveleth, Minn.

Brener, William H.
Wisc. Conservation Dept.,
Wisc. Rapids, Wisc.

1930

Bulfer, Daniel E.
U.S. Forest Service, Ironwood, Mich.

Chase, Clarence D.
Lake States Forest Expt. Station,
U. Farm, St. Paul, Minn.

Clough, Robert A.
American Red Cross, Chanute Field,
Rantoul, Ill.

Forder, Milton H.
U.S.F.S., Northome, Minn.

Freeman, Victor V.
Deceased.

Lorenz, Ralph W.
Associate Forester, U. of Ill.,
Urbana, Ill.

Lorenz, Rolland
Bureau of Plant Industry, Lima, Peru.

McQuoid, Donald T.
4303 Eton Pl., Mpls., Minn.

Maki, Tenho E.
1026 - 2nd St., Gulfport, Miss.

Mitchell, Harold L.
Dir., Central States For. Expt. Sta.,
Columbus, Ohio.

Olson, George T.
O.P.A. Lumber Branch, Washington, D.C.

Pawek, Hugo J.
Soil Conservation Service
Box 231, Raleigh, N. C.

Porisch, John
U.S.F.S., P.O. Bldg.,
Olympia, Wash.

Puphal, Irwin C.
U.S.F.S., Wallace, Idaho.

Royer, William L.
U.S.F.S., Missoula, Mont.

Tesaker, Arvid
S.C.S., Gaylord, Mich.

Wiese, Clarence A.
411 N. 8th St., Watertown, Wisc.

Wittenkamp, Richard
Wisc. Conservation Dept.,
Madison, Wisc.

Woodford, Reinold T.
928 E. Lawson St., St. Paul, Minn.

1931

Anderson, Clarence E.
109 Spencer St., Greeneville, Tenn.

Anderson, Frank H.
Zenith Woodworking Co.,
Duluth, Minn.

Beardsley, Charles C.
Tahoe Nat. For., Forest Hill, Calif.

Bjorgum, Eldor N.
Side Lake, Minn.

Buckman, Stanley J.
Buckman Laboratories Inc.,
Memphis, Tenn.

Dahl, Ernest B.
Soil Conservation Service,
High Point, N. C.

Day, Maurice W.
Dunbar For. Expt. Sta.,
Sault Ste. Marie, Mich.

Dolence, Frank
U.S.F.S., P.O. Box 1994,
So. Hibbing, Minn.

Donehower, Weston
S.C.S., 913 Stuart Rd., Westover Hills,
Wilmington, Del.

Frederickson, Franklin T.
Minn. & Ontario Paper Co.,
International Falls, Minn.

Frisby, Samuel A.
75 Baldwin, St. Paul, Minn.

Gray, Donald M.
Vernon Center, Minn.

Huckenpahler, Bernard J.
212 Fairmont Ter., Salisbury, N.C.

Hunt, Robley W.
Fish & Wildlife Service, Necedah, Wisc.
or
Sand Lake Refuge, Columbia, S. Dak.

Janelle, Harley W.
618 N. 59th Ave. W., Duluth, Minn.

Keehn, Henry F.
Lewisville, Minn.

1931

Knoblauch, Charles J.
Niche, N. D.

Lidberg, Carl L.
Eagle Lake Road, Camden Station,
Route 6, Mpls., Minn.

Moore, Lee K.
S.C.S. Court House, Red Wing, Minn.

Nelson, Alf Z.
Div. of Business and Industrial Res.,
Bur. of Int. Rev., Washington, D.C.

Niles, Edward C.
Chippewa Nat. For., Box 161,
Cass Lake, Minn.

Olson, Clarence E.
c/o Soil Conservation Servation
Las Cruces, New Mexico.

Osborne, Raymond L.
U.S.F.S., Ontonagon, Mich.

Peterson, Lyall E.
U.S. Foreign Service, U.S. Dept. of Agr.
Washington, D.C.

Quick, Russell W.
1166 Ivy St., St. Paul, Minn.

Randall, Charles R.
Deceased.

Rigg, Milford T.
U.S.F.S., 2246 N. 8th St.,
Phoenix, Ariz.

Risbrudt, Clifford E.
U.S.F.S., Northfork, Calif.

St. Amant, Paul J.
U.S.F.S., Bena, Minn.

Schneider, Arthur E.
Major, Hdq. Field Serv., Air Services
Command, Patterson Field, Fairfield, O.

Sterba, Webster N.
428 Snelling Ave. S., St. Paul, Minn.

Stewart, Donald M.
Div. of Entomology and Plant Quar.,
309 Fed. Bldg., Duluth 2, Minn.

Stoudt, Jerome H.
Horicon Nat'l Wildlife Refuge,
Waupun, Wisc.

Wellberg, Ernest T.
U.S.F.S. Tofte, Minn.

Woolery, Ronald Jay
Box 1209, Vernon, Texas.

1932

Adams, Harry E.
MRH Box 107, Sulphur, La.

Anderson, Roan C.
U.S.F.S., Asst. Ranger, Walden, Colo.

Cahill, Dorothea M. (Mrs. Harold
Engstrom) San Francisco Calif.

Campbell, Donald W.
3200 Oakland Ave., Mpls., 7, Minn.

Cann, John T.
E. 25th St., Hibbing, Minn.

Carlson, Conrad W.
U.S.F.S., Glider, Wisc.

Cline, Henry Ray
831 Mt. Faith, Fergus Falls, Minn.

Engstrom, Harold E.
U.S.F.S. 630 Sansome St.,
San Francisco, Calif.

Ferguson, Donald H.
U.S.F.S., Isabella, Minn.

Grigg, William J.
108 E. Chestnut St., Virginia, Minn.

Isaacson, Wilbur R.
U.S.F.S., Poplar Bluff, Mo.

Jackson, Clayton R.
Cambridge, Minn.

Karkula, Alexander B.
U.S.F.S., Ironwood, Mich.

Kopitke, John C.
U.S.F.S., Osgood, Ind.

Krefting, Laurits
Lake States For. Exp. Sta.,
U. Farm, St. Paul, Minn.

Laidlaw, Alan F.
Capt. Amphibious Trg., Det.,
Camp Pickett, Va.

Lazzaro, Charles J.
Deceased.

1932

Mayer, Arthur J.
4229 30th Ave. S., Mpls., Minn.

Moore, Irving H.
Madison, S. Dak.

Moore, Leonard H.
1401 Beltrami Ave., Bemidji, Minn.

Olson, Herman F.
1822 E. Jarvis, Milwaukee, Wisc.

or

Tawas Dist., Huron Nat. Forest.

Olson, Stanley B.
25 Ross St., Brentwood, Md.

Roe, Arthur L.
U.S.F.S., Chippewa Nat. For.,
Virginia, Minn.

St. Amant, Robert V.
U.S.F.S., Ely, Minn.

Sanders, Roy Dale
U.S.F.S., Duluth, Minn.

Seaberg, George E.
1251 Portland Ave., St. Paul, Minn.

Soland, Orlo E.
Oliver Mining Co., Duluth, Minn.

Stritman, Harry R.
1325 Girard Ave. N., Mpls., Minn.

or

Mpls. Public Library, Mpls., Minn.

Tofte, Albert L.
Tofte, Minn.

Tysk, Harold T.
Div. of Grazing,
Albuquerque, New Mexico.

Wagner, Roy G.
U.S.F.S. 630 Sansome St.,
San Francisco 11, Calif.

Zillgitt, Walter M.
Lake States For. Exp. Sta.,
Dukes, Mich.

1933

Ackerknecht, William E., Jr.
Wildlife Refuge Div., 412 Tenn. Ave.,
Alexandria, Va.

Alexander, Frank
Wahl Pencil Co., Chicago, Ill.

Callinan, Harry T.
403 N. Garden, Lake City, Minn.

Carr, Gordon H.
Hutchinson Floral Shop,
Hutchinson, Minn.

Christopherson, Ralph
U.S.F.S., Morcell, Minn.

Duvall, Thure C.
Wood Conservation Co., Cloquet, Minn.

Forus, George
St. Louis County Land Dept.,
Duluth, Minn.

Fry, John R., Jr.
S.C.S., County Court House,
Black River Falls, Wisc.

Gibney, David R. S.
U.S.F.S., western U.S.

Haven, Ross
1727 Wesley Ave., St. Paul, Minn.

Hill, Leon O.
U.S.F.S., Cibola Nat. For.,
Monticello, N. M.

Horn, Arthur G.
Lake States For. Expr. Sta.,
Univ. Farm, St. Paul, Minn.

Iverson, Edward S.
U.S.F.S. Cut Foot Sioux Dist.,
Chippewa N. F., Deer River, Minn.

Jackson, J. Allen
Chequamegon Nat. For., Washburn, Wisc.

Johnson, Harlen
U.S.F.S., Heber, Ariz.

Jolly, William W.
Tenn. Valley Authority, 93 W. Norris Rd.
Norris, Tenn.

Koski, Sulo O.
U.S.F.S., Fessenden, N. Dak.

Kukachka, Emil G.
Minn. For. Serv., State Office Bldg.,
St. Paul, Minn.

Laitala, Ero E.
c/o Minn. & Ontario Paper Co.,
International Falls, Minn.

1933

Lindstrom, Lorenz R.
Lakeland, Minn.

Lozinski, Joseph H.
Nekoosa Edwards Paper Co.,
Port Edwards, Wisc., or Ely, Minn.

McMillen, John M.
Forest Products Laboratory,
Madison, Wisc.

Miley, Harry C.
P.O. 18, Dilworth, Minn.

Nauman, St. Elmo H.
2025 Pine St., San Francisco, Cal.

Niehaus, Theodore B.
U.S.F.S., Plumas N.F., Calif.

Plant, George
1477 Edmund St., St. Paul, Minn.

Price, Donald E.
Junction R.S., R.F.D.#2, Custer, S.D.

Ridlington, Walter
Keshena Indian Agency, Keshena, Wisc.

Rundgren, John A.
U.S.F.S., Ruford, Colo.

Sandberg, Victor O.
Dist. Ranger, Sierra Ancha R.D.,
Tonto Nat. For., Young Rte.,
Globe, Ariz.

Schaar, Roland J.
600 Weatherly Bldg., Portland, Ore.

Smith, Howard B.
Dist. Forest Ranger, U.S.F.S.,
Rimrock, Ariz.

Stoehr, Henry A.
504 Spring St., Greenville, Ill.

Stuart, Alice
U.S.F.S., Washington, D.C.

Wangaard, Frederick F.
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New Haven, Conn.

Younggren, Russell A.
Camp SCS-WVA-8, Beverly, W. Va.

1934

Betzer, W. D.
Box 28, Custer, S. Dak.

Colburn, Floyd
U.S.F.S., Bena, Minn.

Evenson, Clarence
Camp Riley Creek, Fifield, Wisc.

Hedland, Rutven E.
(No address)

Herion, George A.
Yakima Indian Agency, Toppinish, Wash.

Holt, Ted M.
U.S.F.S., Old Fort Defiance, Ariz.

Infantino, Barclay
309 E. Mahoning St., Punxsutawney, Pa.

Nelson, Ralph Wm.
Duluth City Water Dept., Duluth, Minn.

Savage, Charles C.
Tree Surgery Work, 3236 Henn.,
Minneapolis, Minn.

Seastrom, Paul N.
United Elec. Co., Duguin, Ill.

Settergren, Reuben G.
Mark Twain N.F., U.S.F.S., Mo.

Sword, Clifford Wayne
U.S.F.S., Fed. Bldg., Muskagon, Mich.

Watterberg, Phillip J.
Box 253, Holdredge, Nebr.

Wiljamaa, Leo E.
Box 683, Tower, Minn.

Ziegler, Karl F.
312 W. 11th Ave., Mitchell, S. D.

1935

Ahern, John J.
(Lt.) 5815 Sernfield Ave.,
Bellflower, Calif.

Algren, Verne N.
Hutchinson, Minn.

Asp, Claude S.
U.S.F.S., Enderlin, N. D.

Baldwin, Donald D.
Bottineau, N.D.

Bergh, Thorolf K.
S.C.S., Nursery RR#2, Winona, Minn.

Brown, Howard L.
U.S.F.S., Cut-Foot Sioux Dist.,
Deer River, Minn.

1935

Carter, Roy M.
Northeast Forest Exp. Station,
Philadelphia, Penna.

Cheo, K. H.
Ward 3, Chungking Central Hospital,
Chungking, China.

Clark, Robert H.
Alabama Polytechnic Institute,
Auburn, Ala.

Dellberg, Robert A.
923 S. Glenn, Wichita, Kans.

Densmore, Jack W.
S.C.S., 310 Third St., Baraboo, Wisc.

Dobie, John R.
3217-43 Ave. So., Mpls., Minn.

Dundas, Jack P.
S.C.S., Whitehall, Wisc.

Ellertsen, Birger W.
Tenn. Valley Authority, Norris, Tenn.

Erickson, Wilfred H.
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Erson, Roy J.
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406 1/2 Third Ave. N.W.,
S.C.S., Mandan, N. D.

Graves, Ralph L.
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Hahn, Dewey V.
S.C.S., Red Wing, Minn.

Hall, Wilson B.
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Hawkinson, Arthur L.
(No address)

Holbrook, Edward L.
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Jacobson, Walter R.
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Johnson, Russell W. H.
Bethel Academy, St. Paul, Minn.
and
Graduate Student, School of Forestry,
Univ. Farm, St. Paul, Minn.

Koski, Onni O.
M. & O. Paper Co.,
International Falls, Minn.

Krogfoss, Oswald K.
Ft. Leonard Wood, Mo.

Lauer, Wilfred H., Jr.
U.S.F.S., Winona, Minn.

Lund, Peder N.
S.C.S., Barron, Wisc.

Lynch, Donald B.
S.C.S., Lanesboro, Minn.

Matson, Raymond
204 Grant Ave., Eveleth, Minn.

Merz, Robert W.
U.S.F.S., Duluth, Minn.

Mohl, Waldemore
State Forest Service, Brainerd, Minn.

Moore, Francis I.
c/o Baldwin Paper Co.,
Grand Rapids, Minn.

Morse, Marius
Game & Fish Div., Dept., of Conservn.,
St. Paul, Minn.

Mortensen, Thomas P.
1417 W. Grand, Pullman, Wash.

Mueller, Lincoln A.
U.S.F.S., No. Rocky Mt. For. Expr. Sta.
Missoula, Mont.

Nelson, Norman O.
U.S. Forest, Glidden, Wisc.

Nelson, Urban C.
S.C.S., Fergus Falls, Minn.

Nerenberg, Ervin
139 Eva St., St. Paul, Minn.

Panek, Edward
Forest Products Laboratories,
Madison, Wisc.

Parker, Lansing A.
Fish and Wild Life Service,
Merchandise Mart, Chicago, Ill.

1935

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Box 151, Waukow, Iowa.

Romnes, Ragner
New England Timber Salvage Co.,
Concord, Mass.

Sihvonen, Sulo V.
Crossett Lbr. Co., Crossett, Ark.

Sturtevant, Arthur W.
2611 Polk St. N.E., Mpls., Minn.

Webb, William L.
Roosevelt Wild Life Expr. Sta.,
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Syracuse, N.Y.

Zeff, Milton E.
131 1/2 Fairfield Ave., St. Paul, Minn.

1936

Adams, Earl J.
232 Penn Ave. S., Mpls., Minn.

Ambrosen, Donald R.
Waubay Nat. Wildlife Refuge,
Waubay, S. Dak.

Amidon, George B.
M & O Paper Co., Mpls., Minn.

Arle, Herman F.
Norwood, Minn.

and

Ensign, U.S.N.A.S., Corpus Christi, Tex.

Bender, Edwin J.
Chaska, Minn.

and

Battery B, Ft. Leonard Wood, Mo.

Case, James M.
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Ceder, John William
3628 1st Ave. S., Mpls., Minn.

Danielson, Kenneth W.
Intermountain For. and Range Expr. Sta.
Ogden, Utah.

Dolgaard, Sigurd J.
U.S.F.S., Blackduck, Minn.

Elo, Arne
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Hovind, James H.
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Jacobson, Karl
Deceased.

Jaskoviak, Raymond
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International Falls, Minn.

Johnson, Irwin H.
U.S.F.S., St. George, Utah.

Kelly, Miles W.
111 E. 22nd St., Holland, Mich.

Kobes, Karl G.
Rice Lake Refuge, McGregor, Minn.

Livens, Warren H.
Blackwell, Wisc.

Nelson, Leiton E.
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and

Bur. of Ent., Milwaukee, Wisc.

Nermoe, Raymond C.
Enderlin, N. D.

Ostrander, Myron D.
Box 147, Wells River, Vt.

Paul, Walter
Deceased.

Pulkrabek, Leonard J.
Blandin Paper Co., Park Rapids, Minn.

Rosendahl, Russell O.
Forest Products Lab., Madison, Wisc.

Schuft, Peter H.
Casa Grande Nat. Monument,
Coolidge, Ariz.

Sjoquist, Kermit J.
3319 24th Ave. S., Mpls., Minn.

Stephens, John M., Jr.
Vermillion, S. Dak.

1936

Thorsen, Del Walker
U.S.F.S., Mena, Ark.

Townsend, Richard M.
Crossett Lbr. Co., Crossett, Ark.

Winkler, Waldemar A.
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Wyatt, Charles Gordon
U.S.F.S., Dist. Ranger,
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1937

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Anderson, Victor C.
U.S.F.S., Cando, N. Dak.

Appel, Theodore C.
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Bensend, Dwight W.
Asso. Prof., University of Utah,
Logan, Utah.

Biskey, George
Sumter Nat. For., Long Cane, S. C.

Borlaug, Norman E.
Rockerfeller Foundation,
Mexico D. F., Mexico.

Bousquet, Vincent W.
Weyerhaeuser Co., 411 So. Pearl St.,
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Brandborg, Morley F.
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Cherwynak, Michael S.
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Clark, Floyd F.
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Dingle, Roy H.
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McLeod Lumber Co., McLeod, Calif.

Goudy, Robert L.
Deceased - Killed in action.

Grafton, Cuthbert F.
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Hagen, Alvin T.
Lt., U.S.M.A.S., El Toro, Calif.

Hamilton, William C.
Hubbard's South Coast Co.,
Newport Branch, Calif.

Hanson, E. Arnold
U.S.F.S., Carson City, Nev.

Hass, Howard C.
S.C.S., West Salem, Wisc.

Hawkins, Guy Walker
Randolph Farm Bureau Co-op,
Sparta, Ill.

Ilg, Robert E. L.
Manitowish, Wisc.

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Jensen, Raymond A.
318 Ave. B., Cloquet, Minn.

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3343 Newton Ave. N., Mpls., Minn.

Johnson, Roy A.
Wegdahl, Minn.

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Deceased.

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1918 St. Clair, St. Paul, Minn.

Kukachka, B. Francis
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McFarland, William A.
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Chicago, Ill.

McMillan, Geddes E.
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Nelson, Earle W.
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Nelson, Eugene C.
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Trolley, N. Dak.

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Bus. & The New Mex. Lbr. Co.,
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Williamson, Lyman O.
North East Fisheries Hdqs. Woodruff, Wis.
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Wisc. Conservation Dept., Madison, Wis.

Williamson, Malcolm J.
Dist. For., Mercer, Wisc.

Wilson, Lawrence L.
Deceased.

1938

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Loucks Glue Co., Seattle, Wash.

Harmon, Marvin
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Shevlin-Hizon Lbr. Co., 936 Delaware Ave.
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1938

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King, David B.
134 E. Chapman St., Ely, Minn.
or
Effie, Minn.
Kjelland, Thomas K.
218 Amherst, St. Paul, Minn.
or
Winona, Minn.
Kucera, Leonard
M. & O. Paper Co.,
International Falls, Minn.
Kroll, Richard J.
Sporting Goods Co., Bemidji, Minn.
Lang, Robert E.
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or
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Mead, John S.
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Menge, Melvin W.
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Miller, Kermit W.
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Mueller, George
Hamburg, Minn.
Nelson, Alvin E.
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Wisconsin Rapids, Wisc.
Niemela, Leonard
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Nord, Robert C.
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1616 Lafond, St. Paul, Minn.
Oase, John A.
164 Randolph St., St. Paul, Minn.
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Saarnio, Edwin
223 4th St., Duluth, Minn.
Schmidt, Norton
Worthington, Minn.
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Schroeder, Philip
Minneapolis, Minn.
Schwabe, Gordon H.
Aitkin, Minn.

1938

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Toren, John P.
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Toth, Joseph
Eveleth, Minn.

Walker, Dodd
N. P. R.R., Duluth, Minn.

Wood, Raymond J.
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St. Paul, Minn.

Suori, Eino R.
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Zabel, Robert
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New York School of Forestry,
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Zietlow, Richard
1322 Thomas St., St. Paul, Minn.

1939

Abel, George W.
1420 Banks, Superior, Wisc.

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Adkins, John T.
146 S. Meadow Lane, Mpls., Minn.

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Benjamin, Daniel M.
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or
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Brink, David
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and
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Minn. Conservation Dept., St. Paul, Minn.

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Olympic Plywood and Veneer,
Tacoma, Wash.

Dahl, Earl B.
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Davis, Harry J.
Soda Springs, Calif.

Dunne, Robert
558 N. Lexington Ave., St. Paul, Minn.

Durum, Walton
291 Atwater St., St. Paul, Minn.

Engbretson, Alf
338 6th St., Hudson, Wisc.

Ercegovich, John
Deceased - Killed in action.

Esterl, Oswald
Park Falls, Wisc.

Fokestad, James O.
U.S.F.S., Gunnison, Colo.

Garbisch, Kenneth
Waltham, Minn.

Gustafson, George E.
Sinnissippi Chief Forester,
Sinnissippi Forest, Oregon, Ill.

Hendrickson, Milton C.
3421 W. 2nd St., Duluth, Minn.

Henry, Edward
Deceased - Killed in action.

Hernyak, Michael
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Hoelscher, Louis B.
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1939

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Huntley, Phillip
Kimberley Clark Corp.
Keenah, Wisc.

Hunchinson, Charles E.
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Keskitalo, Roy
(Navy)
Ely, Minn. (H)

Kienow, Erich
c/o Bert Hall, Winnebago, Minn.

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Krumm, Charles J.
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Porthill, Ore.

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Willow River, Minn.

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Aurora, Minn.

Ohl, Thomas
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Olson, Morris V.
Joplin, Mo.

Olson, Olaf C.
Fosston, Minn.

Olson, Vincent
R.F.D. 2, Comfrey, Minn.

Otto Dermit
Frazee, Minn.

Overholt, Donald
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Pauley, Scott
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Post, Howard
3532 A St.S.E., Washington 19, D.C.

Rich, Ralph
Deceased - Killed in action.

Rogosheske, George
Sauke Rapids, Minn.

Rupert, Joseph
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1072 Dayton Ave., St. Paul, Minn.

1939

Schoensee, Robert
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Seebach, Donald
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Shema, Bernard
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Appleton, Wisc.

Shutes, Ogden
Crater Lake Box & Lumber Co.,
Sprague River, Ore.

Sorensen, Herbert F.
(No address)

Spencer, Obadiah J.
(No address)

Stanek, Edward
Lt. A.A.F. Inspection Office,
Chicago, Ill.

Stolpe, Robert
Deceased - Killed in action.

Taylor, John
108 6th Ave. S.E., Aberdeen, S. Dak.

Trygstad, Gordon M. (Rev.)
1492 N. Hamline Ave., St. Paul, Minn.

Tucker, Frank E.
Deer Creek, Minn.

Vesall, David
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Wellein, Edward
Grand Rapids, Minn.

White, Charles
4662 Cliff Ave., Louisville, Ky.

White, Keith
615 12th Ave. S.E., Mpls., Minn.

Wooltee, Alden
Floodwood, Minn.

1940

Aaberg, Melvin
Ogilvie, Minn.

and
Lt. 01104817, Dibble Hospital,
Menlo Park, Calif.

Ahern, Richard
U.S. Immigration Service,
Sweetgrass, Mont.

Anderson, Walter T.
Deceased - Killed in action.

Becker, Albert
Barron, Wisc.

Behr, Eldon
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4502 3rd St. S.E., Washington, D.C.

Binger, Charles Robert
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Bingham, Robert
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Blakemore, Lemuel
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Boardman, Douglas S.
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Coffin, Gordon
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Condit, Gordon
Ellsworth, Wisc.

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1101 Ross St., St. Paul, Minn.

1940

Davis, Edward
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Diessner, Donald
Waconia, Minn.

Donehower, Ross
Dakota, Minn.

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297 N. Chatsworth, St. Paul, Minn.

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and
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Kallio, Laurie
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Keogh, James
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Deceased - Killed in action.

Knowles, Royden J.
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Knox, Richard
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1940

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Usenik, Frank
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Grantsburg, Wisc.
(At present in Navy, Great Lakes)

Welch, Douglas C.
1521 Charles St., LaCrosse, Wisc.

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Barkovic, Robert
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Bilstein, Robert
Tenn. Valley Authority, Norris, Tenn.

Blackburn, Morris
305 Pleasant Ave., Park Rapids, Minn.

Block, August
Kaniksu N.F., Idaho.

Dingle, Richard
1604 Merrill St., St. Paul, Minn.

Dole, Sumner A.
Storrs, Conn.

Gilbertson, Warren
Towner, N. Dak.

Giles, William
Nashwauk, Minn.

Graupman, Wilbert
Plato, Minn.

Gustafson, Chalmer
U.S.F.S., Thompson Falls, Mont.

Hahn, Vernon
S.C.C., Amboy, Ill.

Haughom, Andrew
3145 Girard Ave. S., Mpls., Minn.

Hautala, Arthur E.
1503 Pine St., Brainerd, Minn.

Hautala, Elmer
1503 Pine St., Brainerd, Minn.

Hosfield, R. William
222 E. Prospect, Owatonna, Minn.

Jipson, William A.
Wautoma, Wisc.

Johnson, Buford
5200 2nd Ave. S., Mpls., Minn.

Johnson, Robert W.
Augusta, Wisc.

Klich, Thomas
2019 State St., LaCrosse, Wisc.

Latimer, Myron
2907 Polk St. N.E., Mpls., Minn.

Levander, Veikko
2020 Mahoning St., Hibbing, Minn.

Lindberg, John H.
Deceased - Killed in action.

Ludtke, Derwood
Durand, Wisc.

Moore, Charles J.
(No address)

Nelson, Marshall R.
734 Charles St., St. Paul, Minn.

1941

Osmundson, Howard
S.C.S., Jordan, Mont.

Parsons, Douglas
Graduate Student, Div. of Forestry,
U. Farm, St. Paul, Minn.

Partridge, Thomas
4837 Washburn Ave. S., Mpls., Minn.

Peavey, Randall
Grand Rapids, Minn.

Peterson, Robert D.
1606 Penn Ave. N., Mpls., Minn.

Rexer, Edward
3304 Lyndale Ave. S., Mpls., Minn.

Rogers, Sedgwick
Forest Products Laboratory,
Madison, Wisc.

Ruspino, John
302 4th St. S.W., Crosby, Minn.

Skoglund, Milton
Ogilvie, Minn.

Smith, Marvin
2037 Cleveland Ave. S.,
Sioux City, Iowa.

Stakston, Earl
Noonan, N. Dak.

Stroebe, Harry J.
203 E. South St., Viroqua, Wisc.

Weber, John
Deceased - Killed in action.

Wishart, John
Yale For. School, New Haven, Conn.

Zamor, Norbert
Div. of For. U. Farm, St. Paul, Minn.

Zauche, William
Baudette, Minn.

1942

App, Joseph M.
Knife River, Minn.

Berklund, Bruno L.
School of Forestry, U. of Minn.

Davis, Robert G.
Portal, N. Dak.

Eustis, Arthur B.
30 Luverne Ave. S., Mpls., Minn.

Fahlstrom, George B.
Forest Products Laboratory,
Madison, Wisc.

Foley, Joseph M.
1435 Charles Ave., St. Paul, Minn.

Gewalt, Chester
Breckenridge, Minn.

Grady, William
558 Lincoln Ave., St. Paul, Minn.

Hallock, Hiram Y.
Rt. 3, Madison 5, Wisc.

Hatle, Orville J.
Hartland, Minn.

Janura, Arthur L.
6750 16th St., Berwyn, Ill.

Kajander, Rudolph
9 15th St., Cloquet, Minn.
(Northwest Paper Co.)

Koski, Oliver
419 Minnesota Ave., Gilbert, Minn.

Lindstrom, Vincent L.
State Nursery, Badoura, Minn.

Meyett, Irving
443 Ashland Ave., St. Paul, Minn.

O'Neil, Gerald
School of Forestry, U. of Minn.

Pastornak, Milton
840 So. Hobart Blvd.,
Los Angeles, Calif.

Peterson, Kenneth S.
Wood Conversion, Cloquet, Minn.

Rotegard, Glenn
Deceased - Killed in action.

Schmitz, Howard B.
Spooner, Wisc.

Stiehm, Howard
1098 Pacific Ave., St. Paul, Minn.

1943

Boyeson, George H.
1924 Jefferson Ave., St. Paul, Minn.

Clark, Robert E.
491 E. Belvidere, St. Paul, Minn.

1943

Djerf, Harvey E.
School of Forestry, U. of Minn.

Eikum, Robert L.
1119 N. 4th St., Mankato, Minn.

French, David W.
1668 Ontario Ave., Niagara Falls, N.Y.
(Army)

Hannay, William D.
2305 James Ave. N., Mpls., Minn.

Maxson, Gordon C.
3875 Reservoir Blvd., Mpls., Minn.
(Marines)

Nelson, Lowell O.
School of Forestry, U. of Minn.

Nelson, Robert F.
1716 Lafond Ave., St. Paul, Minn.
(Army)

Stoekeler, Ernest G.
U.S. Army Engineers, Alaska.

Talbert, Walter W.
Long Lake, Minn.

VanValkenburg, Robert
245 Upton Ave. S., Mpls., Minn.

Winner, Lee B.
4141 Chicago So., Mpls., Minn.

1944

Buchholz, Robert C.
Pickett, Wisc. (Merchant Marine)

McCarty, Eugene
500 Delaware St. S.E., Mpls., Minn.

Norman, Herbert C.
Indian Service, Redby, Minn.

Pierce, Donald E.
Dept. of For., Urbana, Ill.

1945

Beebe, Robert R.
School of Forestry, U. of Minn.

Carskaden, Harry W.
Minn. Mining Co., St. Paul, Minn.

Evans, Glenn L.
School of Forestry, U. of Minn.

Goodmonson, Paul N.
Forestry Dept.,
Crown - Zeilerbach Paper & Pulp Co.,
1400 Public Service Bldg.,
Portland, Oregon.

Granum, Bernard M.
School of Forestry, U. of Minn.

Sorge, Norman A.
School of Forestry, U. of Minn.

ALUMNI LIST

SPECIAL NOTE TO ALL ALUMNI

Although we feel that the 1946 Alumni List is more complete and accurate than ever before, thanks to the cooperation of the forestry faculty and secretarial staff, it will take some doing to get to the point where we have a current address and occupation, or know what has happened to each of the 871 graduates of the University of Minnesota School of Forestry.

We need your help in improving the present list. Won't you send the School of Forestry any errors that you have picked up in this alumni list so we can make the changes?

With your cooperation in this matter, we hope that next year's Peavey will contain a complete and accurate directory for your interest and reference. Thank you.

Division of Forestry staff.

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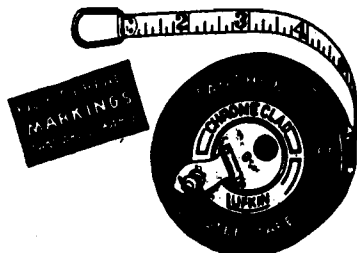
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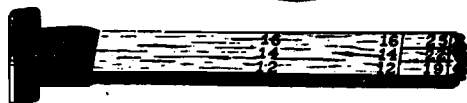


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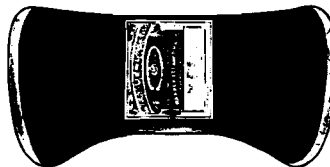
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