

gopher peawey



NINETEEN HUNDRED FORTY



The

Gopher

Peavey

1940



Annual Publication
of the Forestry Club,
University of Minnesota

Compartments

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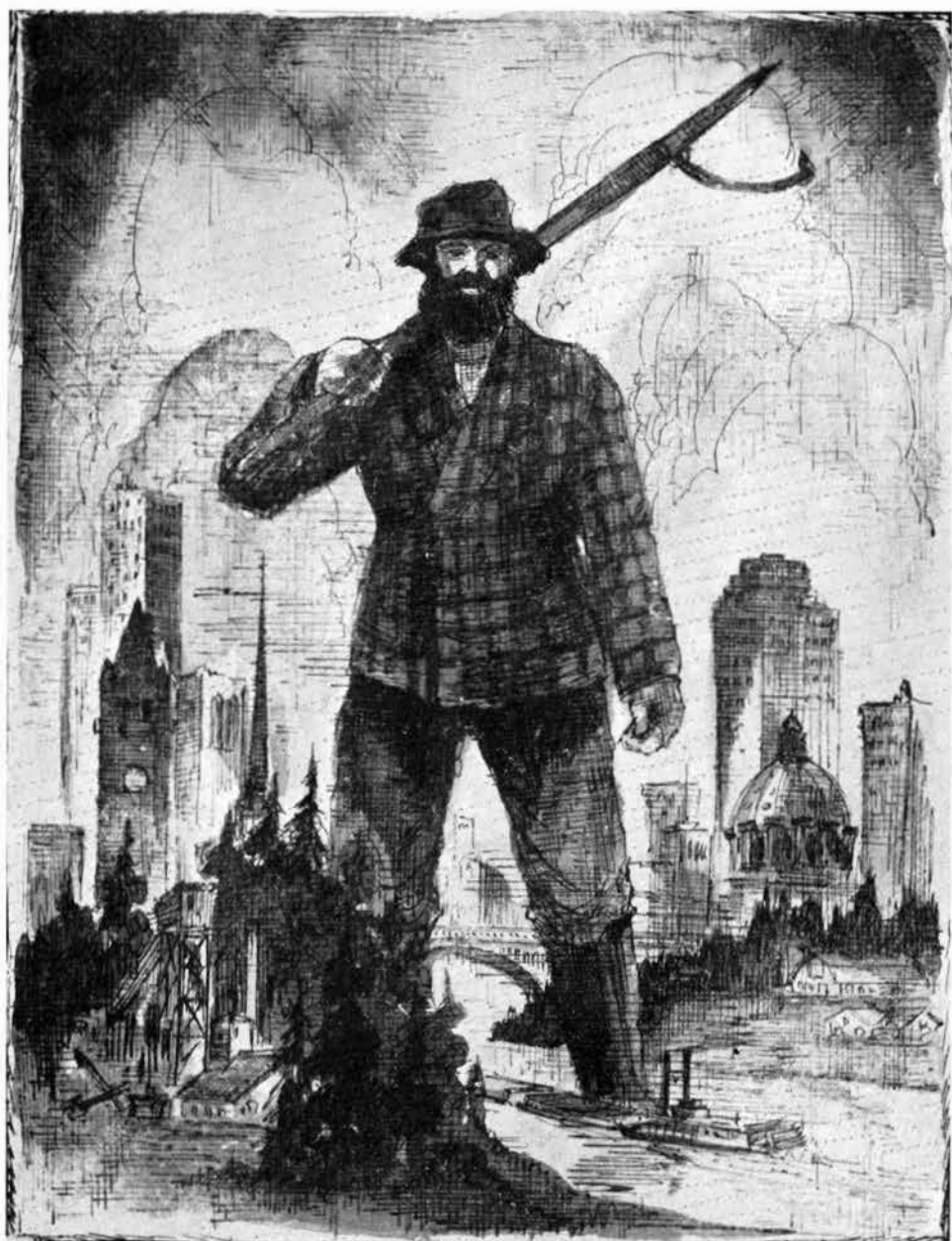
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FOREWORD

You who understand the growth of trees know of the annual increment. Benefiting by the growth that has been previously laid down, the annual ring reaches out to attain greater dimensions.

So Peavey for 1940 has grown.

We present this book as a study of the 1939-40 increment at Minnesota. May its pages serve as fibers of friendship for all Minnesota Foresters.

THE PEAVEY STAFF



RUDOLPH M. WEYERHAEUSER

His keen appreciation of the significance of forestry, his vision in perceiving the benefits of sustained yield management, and his ready cooperation in matters concerning our school foster the dedication of this book to a man we count as friend — Rudolph M. Weyerhaeuser

GROWTH OF A FOREST SCHOOL

By E. G. CHEYNEY

Once the School of Forestry was but the seed of an idea in the minds of a few visionary men; today it occupies its place among the dominant educational institutions.

The birth date of the Forest School at the University of Minnesota, like many another important date in history, lies buried somewhat indefinitely in the mists of the past century. We know that William Watts Folwell suggested the establishment of such a school in 1881. He recommended it to the Board of Regents, but they did not act upon it favorably.

Years passed and nothing was done.

The idea was not revived until Samuel B. Green came to the University as professor of horticulture in the late 80's. There were only a handful of students in the Agricultural College at that time, the administration was lax, and each professor did pretty much as he pleased.

Professor Green had been trained as a horticulturist at the Massachusetts Agricultural College, but he had for some reason developed a great interest in forestry. He introduced a few rather vague courses in mensuration, forest management, forest influences, and dendrology.

The Agricultural College was a queer beast at that time, in a definitely formative stage, and distinctly secondary to the School of Agriculture. In fact the curriculum for the B.S. degree was a queer combination of School and College work.

To enter the college a man had to be able to harness a horse and milk a cow. A Thomas Edison would have stood no show without that proof of practical experience.

Then the first year of College was the same as the third year of the School. When a man completed the first six months of college work, he was graduated from the School of Agriculture. From then on the classes were small and the curricula somewhat weird. Through 1905 only two or three men who had taken these courses had been graduated. They were horticulturists with a slight bias toward forestry. The forestry that they got was very largely what Professor Green had seen on his trip through Germany.

In the fall of 1905 E. G. Cheyney, a graduate of Cornell University with a year of work at the Yale Forestry School and a year and a half of experience in the U. S. Forest Service, joined the staff. Thirteen freshmen entered that fall and four seniors were graduated the following spring. In the following year, 1907, Professor Green obtained permission to establish a summer station at Itasca State Park, and the first junior class to make use of it was the '09 Corporation. They were there from May 1 to September 1, 26 weeks. In 1909 Professor Green induced the wood-using industries of Clo-

quet to give the University some 2,000 acres of forest at Cloquet for an experiment station, since enlarged to 3,000 acres. Tierney, '06, was made superintendent. Mr. Tierney later was appointed Assistant State Forester and Mr. W. H. Kenety became director of the Experiment Station. He has been followed through the years by G. H. Wiggin, Raphael Zon, and T. S. Hansen, the present incumbent.

About that time the arguments over states' rights and the activities of Theodore Roosevelt and Gifford Pinchot stirred up an extraordinary interest in forestry, and in 1908 there was an entering class of 55, seventeen of whom completed the course. J. P. Wentling, of the Yale Forest School and several years' experience at Mont Alto Academy, joined the staff.

In 1910, Professor Green succeeded in persuading the Board of Regents to make forestry a separate college in the Department of Agriculture, and our matriculates no longer had to milk a cow or harness a horse. All connections with the School of Agriculture were severed and a solid curriculum in forestry established.

That same year, 1910, Professor Green dropped dead of heart failure at Itasca Park. Cheyney was made chief.

In 1913 J. H. Allison, M.F., Yale Forest School, 1906, came to the school to teach forest management.

About that time the Forest Service began to cut down on its development, and enrollment fell to a minimum of 36 in 1916. Then, the next year the war hit us, and all the students left. Cheyney

taught the Roots of the War to the R.O.T.C., and Allison went back to the Forest Service in the Southwest for a year or so.

Itasca had proved itself an excellent place to study the virgin forest, but as it was a park it was impossible to cut any timber or carry on any experiments. About 1913 the freshmen were taken to Itasca in July and August for field work. In 1924 the junior class was taken to Cloquet at the beginning of the spring quarter for their management work, going to Itasca for their silvicultural work in the second half of the quarter. In 1927 all the junior field work was given at Cloquet.

In 1925 Dr. Henry Schmitz was made head of the school. He was splendidly fitted for the job. A graduate from Washington University Forest School, he had received a Ph.D. from Washington University in St. Louis and had had several years' experience as a professor of forestry at the University of Idaho.

In 1926 Professor Wentling resigned to take a job as Director of Research for the Northwestern Cedarmen's Association, and L. W. Rees of Syracuse took his place in charge of wood technology in the fall of 1927. Cheyney took over the work in silviculture. Mr. R. M. Brown, a Cornell graduate with several years' experience in the Forest Service, took charge of work in mensuration.

With the development of the C.C.C. work the school registration, which had been rising steadily since about 1919, took a sudden spurt to an unprecedented high of 525 in the year 1937-38.

Since then the thinning out of the C.C.C. camps and the reduction in the

number of men employed by the Forest Service has caused a sudden decline in registration. This year we have about 253 students. Another year or two should see us pretty well back to normal.

In the spring of 1938 there were about 80 juniors who had to take the field work at Cloquet. The accommodations at Cloquet will take care of only 42 comfortably. Something had to be done about it. Arrangements were made with the U. S. Forest Service for the use of an abandoned barracks in a C.C.C. camp at Cass Lake and half the class was taken there and the other half to Cloquet. The faculty sort of hovered back and forth between them. This same plan had to be adopted again in the spring of 1939.

This year we shall be able to take care of the whole class at Cloquet once more.

Dr. Schmitz's untiring work with the legislature in the winter of 1937 resulted in securing a new forestry building for us. We had been at the head of the building list for twenty years. In the meantime, they had pushed us aside and built twenty buildings, leaving us always at the head of the list. Dr. Schmitz finally called their bluff and made it a reality.

In September 1938 we moved into what is really one of the prettiest and best equipped buildings on either campus. And maybe we don't appreciate it! Come in and we'll show you around.

During the past forty years we have piled up a total of 698 graduates!



THE OTHER HALF

By CLEMENS KAUFMAN

Half the business of a great university is education, the other half is research. Here is the story of what Minnesota men are doing to gain a new understanding of forest problems.

Room 102, Green Hall, is occupied by graduate students. Just inside the door are a dozen white oak desks; on top of each desk is a sparkling chrome-finish lamp, and—what is more important—behind each desk is a serious-faced graduate student.

There is a reason for those serious faces—the graduate student wrestles with problems. Sometimes the problems are of little practical significance; sometimes the findings only lay the groundwork for a more significant research to follow; occasionally the results can be applied to every-day jobs in the field. No matter what the results, these are men who ponder in detail the materials of forestry.

To start at the beginning of forest problems, take seeds. The graduate student refuses to call a seed a seed. Neither will he define it roughly as, "something to be stuck in the ground and covered with dirt." Rather, a seed is a ripened ovule; its weight and size are important; the depth of planting is important.

Example: Dwight Benseid has correlated the size of jack pine seed with the growth and size of seedlings. Heavier seeds germinated better, and better seedlings were grown from the larger, more weighty seeds. Dwight found that

all the variables—height, weight of roots, weight of tops, total weight, and percent of germination—were highly and significantly correlated with seed size. Phil Huntley is performing a similar study to determine the influence of weight of white pine seeds.

Huntley is also seeking to hasten the germination of balsam fir by removing the protective coating of pitch with acetone or benzol.

Ray Wood is studying the effect of depth of planting on germination of red and jack pine seed. Ray sowed 100 seeds in sterile sand at five different depths. His present results show that seed planted at the greatest depth comes up latest. Optimum germination results if seed is sown at a depth of three-sixteenths to one-fourth inch.

Raymond Jensen is adding another angle to the seed problem. Raymie collected jack pine seed from stands of 20-40, 41-60, and 61-80 year age classes. The seeds were sorted into milligram weight classes. Germination will be run in sterile sand for a period of 30 days. Age class, weight, and germination will be analyzed to determine a possible correlation.

When the white oak desks and the chrome-finish lamps of the graduate room seem too academic, the boys take

their problems to the greenhouse and literally "sun them." Here the talk is in terms of glazed pots, sterile sand, nutrient solution, and supply bottles—and sometimes of last night's ribald affair, (which is not to be confused with *nutrient solution* or *supply bottle*).

Most famed of all greenhouse experiments at Minnesota is Dwight Bensend's study of the nitrogen requirements of jack pine. Dwight innocently set up the apparatus, and derived his results. Then Professor Brown asked the articulators among his senior problems class to write a technical paper on the subject. Now Dwight finds senior students suspecting that he is using their lucid and euphonious phrases to describe his findings.

Briefly, the experiment demonstrated that jack pine grows best when the nitrogen concentration is about 170 parts per million. Too much nitrogen was a hindrance to growth. The percentage of nitrogen in the seedlings grown at optimum conditions was recorded. Practically speaking, this provides a means of determining the nitrogen available in the soil by a nitrogen analysis of seedlings grown on that soil.

Bensend is also applying the famed vitamin B₁ to forest seedlings. The hypothesis is that if transplant stock is dipped in a solution of the vitamin mortality due to exposure during transplanting will decrease. Another supposition is that B₁ in the culture solution will increase growth. The work is just starting.

The place to prove or disprove office theory or "hot-house" findings is the experiment station at Cloquet. "For experi-

mentation and demonstration" is the avowed purpose of the 3000 acres of pine and spruce forest.

Genial Dr. T. Schantz-Hansen directs activities. The entire forest is under a management plan. Every ten years the plan is revised. In 1939 the forest was re-cruised and re-mapped, and the plan is now being checked.

Thinning studies on jack and red pine have been conducted in the forest for the past 15 years. In 1929 Dr. Hansen wrote the thesis for his doctorate on the effect of thinning in jack pine. During the years 1936 and 1937 Dr. K. H. Cheo studied the effects of spacing resultant from the thinning done ten years previous in the red pine study area.

Experimental plantings, now 25 years old, have been made to demonstrate the value of different species, classes of stock, seasons of planting, and methods of planting.

The Cloquet Forest arboretum now contains 85 native and exotic tree species. Growth differences show a wide range of adaptation to the soil and climate of this region. Many hours can be profitably spent in the arboretum studying the characteristics of the various species and their responses to the ecological conditions.

Another study deals with the effect of fertilizers, including deep liming, on jack, red, and white pine, white spruce, aspen, and maple. This experiment is now at the close of the third year and a differential of results is becoming apparent.

A defoliation study on aspen, birch, and jack pine was started in 1937 to

determine the effects of partial and complete defoliation on these species. Jack pine will die if completely defoliated; aspen and birch will survive several complete defoliations.

Work was started in 1938 to determine the effect of age on viability of jack pine seed. By inspection it is possible to establish the age of parts of the branches for as far back as five or six years. Thus the age of the cones on that part of the branch can be fixed. Vitality of seed drops off slowly with age.

A summer evening at Cloquet usually finds another most interesting experiment in progress. The *thin-haired men of research* — Henry Hansen, Dwight Bensed, and Clem Kaufman — sit deep in study, meanwhile massaging hair oil into a "stand" of hair that is thinning out. This is akin to the experiment of growing hair on billiard balls.

Henry Hansen, one of the thin-haired men, is making an analysis of jack pine site quality to determine relationships which exist between site quality as expressed in terms of height growth, volume growth, certain physical and chemical properties of the soil, and the character of the herbacious and woody associated vegetation.

The main part of the field work is completed. Analysis of some of the soil properties have been made, and tabulations of the vegetative features are well under way. One of the observations is that site quality for jack pine is quite generally reflected in the presence of other tree species growing with the jack pine. Example: red oak or red maple

mixed with the jack pine indicates good to very good site quality.

Another of the "billiard ball experimenters," Clem Kaufman, is conducting a study on the root growth of jack pine as related to ecological factors. In three plats of different stand density on the same soil type, active root tips were located at depths of immediately under the duff to sixteen inches below the surface. Throughout the growing season measurements were made to establish periods and rate of growth. A statistical analysis will be made to ascertain if stand density has an influence on rate of growth. Growth of trees in height was measured at the same intervals as the root measurements to establish seasonal relationship and variation between growth of crown and root.

The laboratory for wood chemistry is in the basement of Green Hall. To those who pass through the corridor, this lab is a weird arrangement of glassware and sinks which seem to produce only obnoxious odors. In this lab Dave Brink is seeking to determine the ability of lignin to absorb impurities in water.

Lignin, a material making up roughly 20-25 per cent of the weight of most woods, is isolated from the other woody constituents by one of the several cooking processes. From the lignin-containing liquor, lignin used in the investigation is isolated. Every lignin sample isolated, purified, and dried by a particular process is kept separately. Then, water containing a known and definite amount of impurities is treated with a weighed amount of a given lignin sample. In this manner the relative efficiency of the

various lignin samples in removing impurities is determined.

Working on a fellowship provided by the American Creosote Company, Bror Anderson is studying wood preservation. Bror talks in terms of such enigmatic phrases as, "electrokinetic potential", "streaming method", and "rapid reversal of flow". This writer is ignorant, too!

In the wood structure laboratory, Francis (Cooky) Kukachka is seeking to correlate the findings of taxonomy with



wood anatomy. His special genera is the Tiliaceae. Cooky states that after measuring about 10,000 fibers and 15,000 vesicles and preparing 1100 slides, the work is just starting.

The director of the work in wood structure, Dr. L. W. Rees, has for several years concerned his studies with the internal structures of wood.

Two papers have been published on the determination of the rate and mechanism of moisture movement through wood. Findings indicate that moisture moves through wood in the form of a dual mechanism involving the movement of moisture as a bound liquid across the cell walls and as a vapor across the cell cavities.

Dr. Rees has published another paper on the effect of various chemicals on the amount of swelling and the strength of wood. In general the strength of specimens correlated quite closely with the amount of swelling produced by the chemical.

Several papers have also been published on the effect of steaming on the physical and mechanical properties of southern pine. Evidence shows that steaming yellow pine wood at comparatively low temperatures and for relatively short periods of time causes an appreciable reduction in all the strength properties investigated except for maximum shearing strength parallel to the grain.



The Rotation

Seniors

MELVIN C. AABERG
"Mel"
 Ogilvie, Minnesota
General Forestry
 Forestry Club, Voyageurs, Intra-
 mural Basketball.

RICHARD W. AHERN
"Dick"
 Taunton, Minnesota
General Forestry
 Forestry Club, Voyageurs, Catholic
 Students' Confraternity, Intramural
 Sports, Forester's Day '40, Gopher
 Peavey Board '40. Summer work:
 Medicine Bow National Forest '39.

WALTER T. ANDERSON
"Andy"
 Minneapolis, Minnesota
General Forestry
 Forestry Club. Summer work:
 U.S.F.S., Ottawa National Forest.

ALBERT F. BECKER
"Sarge"
 Barron, Wisconsin
General Forestry
 Forestry Club, Voyageurs, Foresters'
 Day '37. Summer work: Upper
 Michigan National Forest '39.

ELDON A. BEHR
"Juggle"
 Minneapolis, Minnesota
Wood Technology
 Forestry Club, Xi Sigma Pi, Alpha
 Zeta, Y.M.C.A., Minnesota Bird
 Club, Tech. Assn. Pulp & Paper
 Ind., Freshman Week '38, Photo-
 graphic Editor Peavey '40, Foresters'
 Day Assn. '40. Summer work: Min-
 nesota Lake Survey '37, American
 Creosoting Co., Indianapolis '38,
 Louisville '39.



CHARLES ROBERT BINGER
"Bing"
 St. Paul, Minnesota
General Forestry
 Forestry Club, Tau Phi Delta, Psi
 Upsilon, Freshman Rifle Team,
 Freshman Hockey, Baseball, Intra-
 mural Athletics, Professional Inter-
 fraternity Athletic Council. Sum-
 mer work: Guide, Ely, State Game
 & Fish Dept., Ely, Minn.



LEM A. BLAKEMORE
"Blacky"
 St. Paul, Minnesota
Wildlife Management
 Forestry Club, Voyageurs, Wildlife
 Manager's Club, President, Nat'l
 Federation of Wildlife Manager's
 Clubs, Foresters' Day Assn. '39,
 '40, Christmas Assembly '37, '39,
 Wildlife Restoration Comm. '38,
 '39, Freshman Week '38, Student-
 Faculty Reception '38. Summer
 work: Nature councillor, Y.M.C.
 A. '36, S.C.S. Plainview, Minn. '37,
 Carlos Avery game farm '39.



DOUGLAS S. BOARDMAN
"Doug"
 Glenwood, City, Wisconsin
General Forestry
 Forestry Club, Voyageurs, Alpha
 Zeta, Circulation Manager Peavey
 '40, Peavey Board. Summer work:
 National Park Service, Devils Lake
 '37-'38.



CLARENCE B. BUCKMAN
"Buck"
 Little Falls, Minnesota
General Forestry
 Forestry Club, Business Manager
 Peavey '40, Treasurer Forestry Club
 '40. Summer work: C.C.C. Camp
 Ripley '33-'34, White Water State
 Park '34, Cloquet Forest Experi-
 ment Station '39.



CARL M. CARLSON
 Minneapolis, Minnesota
Commercial Lumbering
 Forestry Club, Tau Phi Delta,
 Gobblers.

m a t u r e t i m b e r

JOHN E. CARLSON
"Johnny"
 Carlton, Minnesota
General Forestry
 Forestry Club.



DONALD B. DIESSNER
"Don"
 Waconia, Minnesota
General Forestry
 Forestry Club, Voyageurs, Peavey
 Staff '40, Intramural Basketball.



ROBERT EMORY CLARK
"Rotatiller"
 Frankfort, Kentucky
General Forestry
 Forestry Club, Frenatae, Foresters'
 Day '37. Summer work: John Cox
 & Sons Lumber Co., Vanceburg,
 Ky. '31, '32. C.C.C. Big Falls,
 Minn. '33, S.C.S. Lewiston, Minn.
 '34, Dept. Plant Pathology, U. of
 Minn. '36, Shasta National Forest
 '37, '38, '39.



ROSS J. DONEHOWER
"Doc"
 Dakota, Minnesota
General Forestry
 Forestry Club, Xi Sigma Pi, Alpha
 Zeta, Ag. Student Council Treas.,
 Ag. Union Board Sec., Vice-Pres.;
 chairman Honor Case Commission,
 secretary Foresters' Day Assn. '40,
 Alumni Editor Peavey '39, Editor
 Peavey '40, Treasurer Junior Corp.
 '39. Summer work: S.C.S. '38, Clo-
 quet Experiment Station '39.



GORDON R. COFFIN
"Deacon"
 Minneapolis, Minnesota
General Forestry
 Forestry Club, Voyageurs, Foresters'
 Day Assn. '37, '40. Summer work:
 Cloquet Forest Experiment Station
 '39.



RALPH J. ELKINGTON
"Elky"
 Adams, Wisconsin
General Forestry
 Forestry Club, President Cass Lake
 Corp. '39, Foresters' Day Assn. '38,
 '40. Summer Work: S. C. S.
 Viroqua, Wis., '36, Baudette, Win-
 ona, '39, E. C. W. '35.



GORDON R. CONDIT
"Gordy"
 River Falls, Wisconsin
General Forestry
 Forestry Club, Alpha Zeta, Xi
 Sigma Pi, Voyageurs, Peavey Staff
 '40. Summer work: Weiser Na-
 tional Forest '39.



WALTER C. ERSON
"Walt"
 Minneapolis, Minnesota
Game Management
 Forestry Club, Voyageurs.



NORMAN H. CONRAD
"Caboose"
 St. Paul, Minnesota
General Forestry
 Forestry Club, Gobblers, Asst. Busi-
 ness Mgr., Peavey '40, Treasurer
 Foresters' Day Assn. '40. Summer
 work: Northwest Forestry Co. '39.



JOSEPH E. FINNEGAN
"Joe"
 Beloit, Wisconsin
General Forestry
 Forestry Club, Voyageurs, Catholic
 Students Council, Hockey '38, Sec-
 retary, Freshman Corp. '37, Ste-
 ward, Junior Corp, '39, Foresters'
 Day Assn. '39, Peavey Staff '38.



m a t u r e t i m b e r

ROSS C. HANSON
"Bud"
 Minneapolis, Minnesota
Game Management
 Forestry Club, Game Managers' Club, Voyageurs, Delegate to the Western Conference of Forestry Club, Missoula, Montana '39. Summer Work: U. of Minn. Dept. of Entomology.



LAURIE M. KALLIO
 Stevenson, Minnesota
Game Management
 Forestry Club, Xi Sigma Pi, Tau Phi Delta, Gobblers, Wildlife Managers' Club, Intramural Sports. Summer Work: Republic Steel Corp., Hibbing '35, '37.

ROBERT G. HELGESON
"Helgie"
 Minneapolis, Minnesota
General Forestry
 Forestry Club, Voyageurs, Foresters' Day Assn. '40.



JAMES A. KEOGH
"Jim"
 Le Center, Minnesota
Commercial Lumbering
 Forestry Club.

MILTON C. HENDRICKSON
"Milt"
 Duluth, Minnesota
General Forestry
 Forestry Club, Lodgers League. Summer Work: Minnesota State Park Service.



EVERELL C. KNOSPE
 Cochrane, Wisconsin
Game Management
 Forestry Club, Tau Phi Delta, Gobblers, Wildlife Managers' Club, Intramural Sports. Summer Work: S. C. S. Independence, Wisconsin, '35.

VIRGIL O. HOGDAL
"Virg"
 Constance, Minnesota
General Forestry
 Forestry Club.



ROYDEN J. KNOWLES
"Doc"
 Minneapolis, Minnesota
Commercial Lumbering
 Forestry Club, Foresters' Day Assn. '40.

HOWARD R. JOHNSON
"Duke"
 Erskine, Minnesota
General Forestry
 Forestry Club, Intramural Basketball and Boxing. Summer Work: Cloquet Forest Experiment Station '39.



RICHARD L. KNOX
"Dick"
 Edina, Minnesota
Commercial Lumbering
 Forestry Club, Foresters' Day Assn. '40 Summer Work: Refinishing Work, Two Harbors, Minn.

m a t u r e t i m b e r

CHARLES C. LARSON
"Charlie"

Pettibone, North Dakota
General Forestry
Forestry Club, Intramural Basketball. Summer Work: Biological Survey, North Dakota, '35-'36, State Forest Nurse, Bottineau, N. Dak., '37, Lake States Forest Experiment Station '38, Prairie States Forest Service '39.



EDWARD W. LOOMIS
"Ed"
Minneapolis, Minnesota
General Forestry

Forestry Club, Christian Science Organization. Summer Work: C. C. C. '37, Chippewa National Forest '39.

MYRON J. LATIMER
"Mike"

Minneapolis, Minnesota
General Forestry
Forestry Club, Voyageurs, Foresters' Day Assn. '39, Delegate to A. W. F. C. Conclave, Montana '39. Summer Work: State E. C. W. '37, Tree Surgery.



JAMES H. MICHELS
"Jim"

Nicollet, Minnesota
General Forestry
Tau Phi Delta, Gobblers, Xi Sigma Pi, Forestry Club.

WILLIAM J. LEHMKUHL
"Bill"

Mikwaukee, Wisconsin
Commercial Lumbering
Forestry Club, Track. Summer Work: Namekagon State Forest, Wisconsin.



DONALD W. MURRAY
"Don"

Nashauk, Minnesota
Game Management
Forestry Club, Wildlife Managers' Club, Rangers' Club. Summer Work: International Harvester Co. '37, Chippewa National Forest '39.

VEIKKO LEVANDER
"Vic"

Hibbing, Minnesota
Wood Technology
Forestry Club, Tau Phi Delta, Xi Sigma Pi, Gobblers, Rangers' Club, Swimming Team. Summer Work: Republic Steel Corp., Stevenson, '36, Oliver Iron Mining Co., Hibbing, '37, Waldorf Paper Products '39.



GEORGE NELSON
Moorhead, Minn.

General Forestry
Forestry Club, Tau Phi Delta.

IRVING R. LIFSON
"Irry"

Minneapolis, Minnesota
General Forestry
Forestry Club.



RALPH K. NELSON
"Satch"
Minneapolis, Minnesota
General Forestry

Forestry Club, Tau Phi Delta, Gobblers, Alpha Zeta, Xi Sigma Pi, Silver Spur, Honor Case Committee '37-'39, President Freshman Corp. '37, Foresters' Day Assn. '39, '40. Summer Work: Lake States Forest Experiment Station '39.

m a t u r e t i m b e r

FOREST W. OLSON
"Ole"
 Iron Mountain, Michigan
General Forestry
 Forestry Club, Civil Aeronautics
 Administration.



ROBERT E. RHEINBERGER
"Jiggs"
 St. Paul, Minnesota
General Forestry
 Forestry Club, "M" club, Hockey
 '38-'39, Peavey Board, Intramural
 Sports. Summer Work: U. S. F.
 S. Nursery, Manistique, Mich. '39.

GEORGE E. OLSON
 Wanamingo, Minnesota
Wood Technology
 Forestry Club, Xi Sigma Pi, Y.
 M. C. A., L. S. A. Summer Work:
 Serely Sash and Door Co., '39.



ANTHONY E. SQUILLACE
 Kinney, Minnesota
General Forestry
 Forestry Club, Xi Sigma Pi, Ran-
 gers' Club. Summer Work: Super-
 ior National Forest '34, '36,
 Wayne National Forest, Ohio '35.

LEONARD W. ORVOLD
 St. Paul, Minnesota
Grafting
 Forestry Club, Voyageurs, Foresters'
 Day Assn. '37. Summer Work:
 Chequamegon National Forest, '36.



ERNEST STOECKLER
"Ernie"
 St. Paul, Minnesota
General Forestry
 Forestry Club, Peavey Staff.

WARREN L. PARKER
"La Drool"
 Stockton, Illinois
General Forestry
 Forestry Club, Tau Phi Delta, Gob-
 blers, Ag. Union Board of Govern-
 ers '38-'39, Wrestling '37-'39, Y.
 M. C. A.



JOHN E. SWEENEY
 St. Paul, Minnesota
Commercial Lumbering
 Forestry Club. Summer Work:
 Potlach Forests, Bovill, Idaho '39.

TONY F. PERPICH
"Axe"
 Crosby, Minnesota
General Forestry
 Forestry Club, Xi Sigma Pi,
 Alpha Zeta, Steward Freshman
 Corp., '38, Foresters' Day Assn.
 '38. Summer Work: Minn. Forest
 Service '34, '35, E. C. W. Onamia,
 Evergreen Mines Co., '37, '38.



WALTER W. TALBERT
 Wayzata, Minnesota
General Forestry
 Forestry Club, Tau Phi Delta,
 Gobblers, Alpha Zeta, President,
 Freshman Corp. '38, Student Council
 '38, '39, Foresters' Day Assn.
 '39.

m a t u r e t i m b e r

ROBERT E. TEITGEN
Manitowoc, Wisconsin
General Forestry

Forestry Club, Xi Sigma Pi, Freshman Football, President Forestry Club, '39, Chairman Foresters' Day Assn. '40 Summer Work: Camp Rusk, Glenflora, Wis. '35 '36, Wisconsin Dept. Land Inventory, '36, Wis. Conservation Dept. '38.



DOUGLAS C. WELCH
"Pappy"

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General Forestry
Forestry Club, Tau Phi Delta, Xi Sigma Pi, Gobblers, Foresters' Day Assn. '39, Ag. Student Council '39.

ROBERT F. WAGLE
Minneapolis, Minnesota
General Forestry

Forestry Club. Summer Work: U. S. F. S. Fire Foreman, Palo Markham Fire, Columbia Nat'l Forest '39.



WILLARD E. WEST
"Willie"

Hillman, Minnesota
General Forestry
Forestry Club, Peavey Staff '40, Foresters' Day Assn. '40. Summer Work: Cloquet Forest Experiment Station '39.



THOMAS M. PARTRIDGE
Minneapolis, Minnesota
Commercial Lumbering

Forestry Club, Theta Delta Chi, Interfraternity Council, "All U" Boxing Champ 175 lb, Runner-up '38, '39, Interfraternity Boxing Champ '39, '40.

ROBERT M. BINGHAM
Arlington Heights, Illinois
General Forestry

Forestry Club, Alpha Gamma Rho, Y. M. C. A., Wesley Foundation, Ag. Student Council '38, '39. Summer Work: Buffalo Creek Dairy Farm, Wheeling, Ill. '37, '38, Oliver Farm Equipment Co., Charles City, Iowa, '39.

GEORGE V. ISAACSON
"Judd"

Minneapolis, Minnesota
General Forestry
Forestry Club, Y. M. C. A.

R. WILLIAM HOSFIELD
"Hosey"

Owatonna, Minnesota
General Forestry
Forestry Club.

ERICK E. KURKI
Duluth, Minnesota
General Forestry

Forestry Club, Lodgers League, Y. M. C. A. Summer Work: E. C. W. Finland, Minn., '35, Grand Marais, '36.

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Bredman, Esser
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R. Martinson, Djerf, Marden, Skold, Jacobs

Poles - - Class of '43



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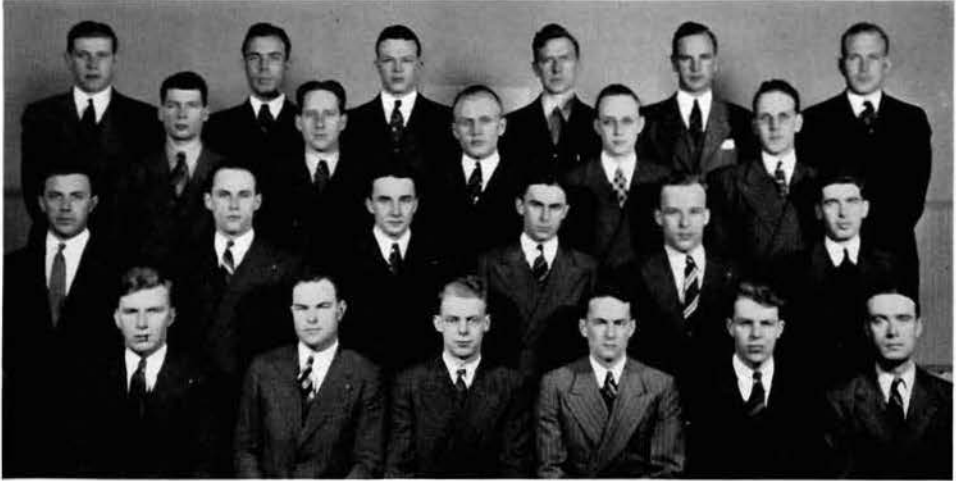
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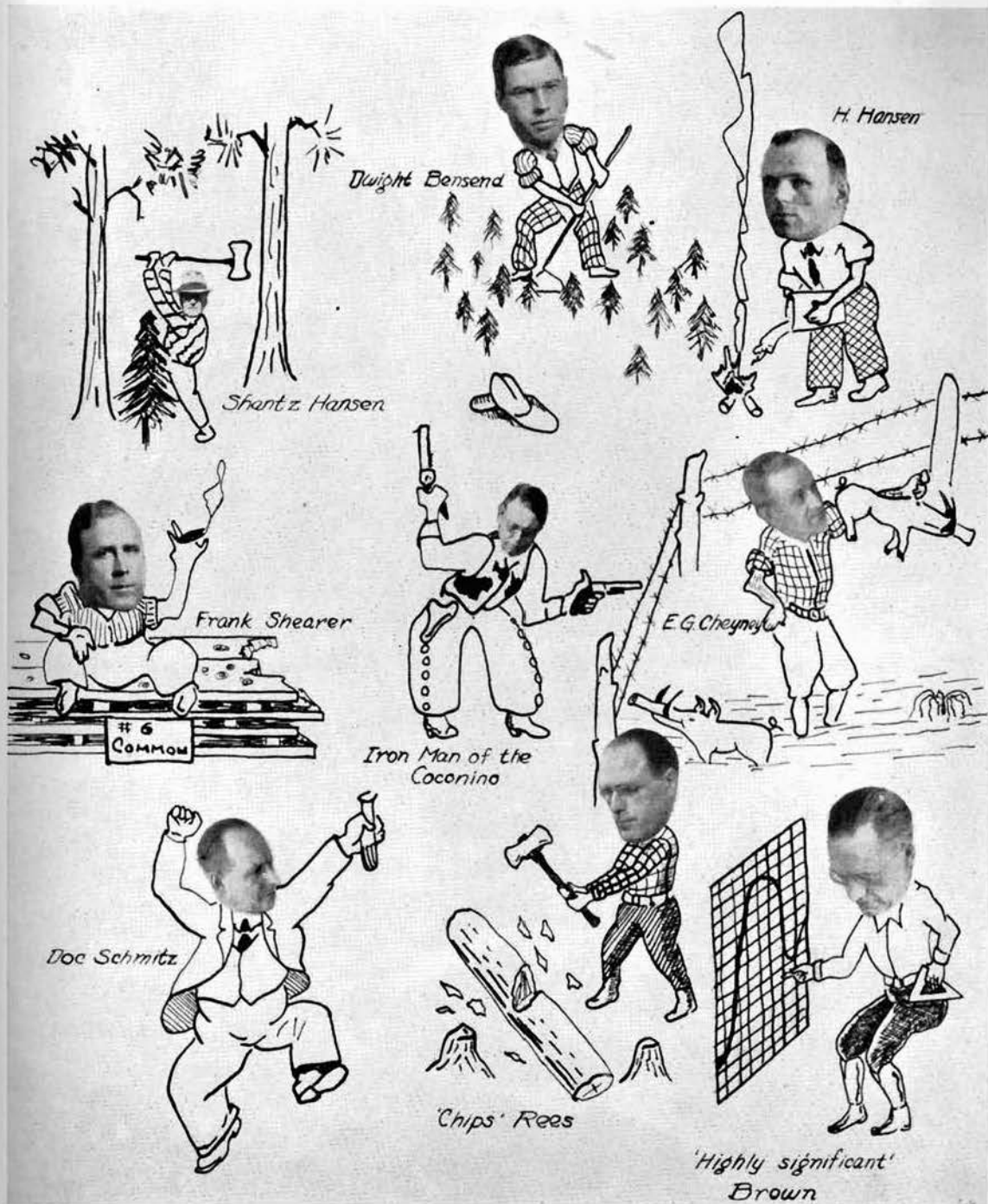
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The staff wishes to express thanks to DELORES DREY, ELSPETH GURLEY, ROBERT BINGER, and VERNON HAHN for much help.

m i x e d s t a n d

OVERSTORY - - Our Faculty



Bottom: Dr. Henry Schmitz, Dr. L. W. Rees, Prof. R. M. Brown
 Center: Frank Shearer, Prof. J. H. Allison, Prof. E. G. Cheyney
 Top: Dr. T. Schantz-Hansen, Dwight Bensend, Henry Hansen

The Poet Speaks of Trees

Many a tree is found in the wood,
And every tree for its use is good.
Some for strength of the gnarled root,
Some for the sweetness of flower or fruit,
Some for shelter against the storm,
And some to keep the hearthstone warm,
Some for the roof and some for the beam,
And some for a boat to breast the storm.
In the wealth of the wood since the world began,
The trees have offered their gifts to man.

But the glory of trees is more than their gifts:
'Tis a beautiful wonder of life that lifts
From a wrinkled seed in an earth-bound clod
A column and arch in the temple of God,
A pillar of power, a dome of delight,
A shrine of song and a joy of sight!
Their roots are the nurses of rivers in birth,
Their leaves are alive with the breath of the earth;
They shelter the dwellings of man, and they bend
O'er his grave with the look of a loving friend.

-- Henry Van Dyke

The Author Speaks of Trees

When I am dead, people may say for a few weeks:
He wrote pieces for the newspapers. For a few
years they may say: He was the father of so-and-so.
But long after that, long after the name is forgotten,
there will be great trees in which the birds of the air
will make their homes and under which the sons
of men will find rest --- the trees I planted. In the
life of my trees I shall lift my face to the sun and
cast my shadow upon the earth for a hundred years.

-- Bruce Barton



Courtesy American Forests Magazine

*Foresters Who
Were Transplanted*

FOOTLOOSE IN NORTH AFRICA

with TOM LARSON

*A globe-trotting forester takes you
to the land of perpetual spring fever.*

To most of the dendrology class, that drowsy spring morning in 1937, Dr. Schmitz was off on a tangent. He wasn't talking about trees that day—trees were listed in the book. He spoke of opportunities for young men, and to me his words were the keynote of inspiration. The world is full of opportunities, he said, for men who are not content to sit and wait; life belongs to those who will go forth and seek.

Dr. Schmitz was right. I did go forth, and fifteen months later 50,000 miles lay behind me; countless, priceless experiences were mine. No wealth accumulated in my purse, but every day added to my store of wonderful memories and hard-earned lessons.

For more than thirteen of those fifteen months I traveled alone. They were hard months, but they were also glorious months—the best I have lived. By hitchhiking, walking, riding freights, sailing, and bicycling, I visited 35 states in America as well as Mexico and Canada. Then came the trip through Europe. For my Atlantic passage I shipped as a seaman on a munition boat that was bound for Franco in Spain. At Belgium, the first port of call, I left the ship to take up my travels on the Continent. I traveled 4000 miles through 17 countries—from the flats of Holland to the Highlands of Scotland; from the fjords of Norway up through the forests of Swe-

den and Finland; then on and across the primitive Baltic states; through drab, pathetic Poland and into Germany; across the countryside of France and to the gates of Paris on November 15, 1938.

I would be alone no more, for somewhere in Paris was Ed Woolverton, also of the University of Minnesota, who had come from St. Paul to Paris at the expense of eight dollars. In a few hours I found him amidst a crowd of refugees from all of Europe.

We bicycled to southern France and Marseille where we planned to ship out somewhere. In a beautiful hostel, a regular old castle, we spent the evening exchanging experiences. When I arose in the morning from my cot on the balcony, I thought I was dreaming. Way down below lay the blue, sparkling Mediterranean. Ships came slowly in and out of the harbor past chalk-white islands and cliffs where old castles and fortresses stood. Soft southern music and the sound of happy laughter drifted up from the streets below.

Ed lay back on his cot in perfect contentment and would have spent a month in Marseille. But I saw a ship that was getting up smoke to sail someplace—perhaps to Africa. Hurriedly I scanned our copy of the shipping news—yes, that ship was bound for Bone, Algeria.

Reluctantly Ed got out of bed; we packed, and rushed down to the docks

just as the ship was about to leave. For one mad hour the French customs officials pulled their hair and cursed while they made arrangements for us to board that boat. We were supposed to have visas and other red tape—we had nothing. We sat down and laughed at the mad Frenchmen, for we miserable fourth class passengers had held up a large ship for over an hour. Only Americans could have gotten by with that.

As we crossed the Mediterranean, Spanish airplanes hovered overhead to make sure that we were not bound for Spain. Night came, and the French flag flew over us brightly outlined in the beam of a searchlight. When morning came we saw the dark outline of the Atlas Mountains and the coast of Africa.

In Bone we saw life in a world that was new to us. It was warm and lazy here in this city of white buildings and green palm trees. Few people moved about; food was unbelievably cheap; weird music filled the air. It was truly a place of perpetual spring fever.

The cocky young policemen annoyed us, however. Always they were eager to show off their authority by demanding to see the passports which were at the bottom of our packs. That night we gave them the slip and made camp high in the forest-covered mountains.

Native dogs howled all night, and way down below us could be seen the campfires of Arab tribesmen who serenaded with throbbing drums and reed flutes that sent chills through our spine. As we lay there in our blankets the mystery of the unknown crept over us. We fell asleep wondering about the strange

ways and customs that we would have to cope with on the morrow.

Morning came, and we looked again at Africa. The forest growth covering the mountain's sides was dense and almost jungle-like. The dominant tree was the cork oak, but there were many other species. We could look out and see the blue waters of the Mediterranean coming up to meet huge white sand dunes, and far below us were patches of forest intermingled with green and brown fields. Here and there among the trees or in the fields could be seen the little native huts. Small herds of cattle and goats and an occasional camel grazed serenely in the green fields. Dotted over the brown fields were tribesmen tilling the soil with crude ox-drawn plows.

Through the strange beauty of the mountainside we coasted ten miles into the wild little village of Tabarka. That night as we camped on the hard sand of a dune a sharp wind tore at the poncho flapping above us; rain struck down at us, and the lightning flashed occasional glimpses of the rusted ribs of a ship that wallowed in the sea like some long dead monster.

Along the road the next day Ed stopped to sample some cactus fruit and got his mouth so full of tiny spines he couldn't even cuss. All day long we saw small, dirty native mud and grass hovels surrounded by cactus corrals. Toward nightfall we traveled up a mountain valley where crafty Arab tribesmen perched like owls on the mountain ledges and glared down at us. At midnight we spread our blankets on the hard stones of the market place of Beja Tunis, but

a Maltese British subject found us there and treated us to a real bed.

The following day we had most of our fun laughing at the white-robed Arabs who glared at us for riding almost naked in the hot sun. Toward evening a sudden rain sent us looking for shelter. We crawled into a building that was under construction, and lay down on some old sacks. Promptly we were beset by a bed-bug invasion.

Despite the bed-bugs we were dozing toward sleep when a dozen tall, fierce-looking Arabs stalked in and declared us their prisoners. What now? Ed mumbled in French that we were American Scouts on our way around the world; as a peace offering I passed around the peanuts. Strangely, one of our captors began to chuckle; and suddenly all of the Arabs were laughing in low guttural tones. Crazy Americans foolishly walking around the world appealed to their sense of humor. One Arab said that he too was a scout. We were friends, and they left us to sleep undisturbed except for the bed-bugs.

We settled down in Sidi Bau Said, the sacred city of the Arabs, to wait for a ship to Australia. Our last cent was staked on a cheap ticket, and we had to wait three weeks for word from London. It was starve or provide for ourselves, so we roamed the by-roads with our sling-shots in search of stray chickens and kept a wary eye out for orange orchards. We ate cactus fruit and a thin oatmeal soup; we spent long hours sleeping so we would not get so hungry.

"You remember the French war debt to the United States, don't you?" Ed asked me after a slim breakfast.

"Sure," I replied.

"We shall be the collectors," returned Ed with a note of determination in his voice. After that we ate better.

At last we got word from London. It was heart-breaking news. They would not take us on the ship. If we insisted on passage it would take years to get home, perhaps, by way of Australia. I had the wanderlust so deep in my blood that if I went another year or two years I doubted if I would ever stop. I knew that I must start home and to college now or never.

We lingered in Sidi Bau Said for a few days while we made our plans. It was then that the French Police began to bother us. They had overheard us talking German and suspected that we were possible spies. We must leave the country or go to jail, they threatened. For a week we stalled them off, and then moved camp to Tunis.

With our ticket money returned and our faithful bicycles sold, we paid \$4.50 for deck passage to Civitavecchia, Italy, five hundred miles away. As we sailed out past the ruins of ancient Carthage, thousands of pink flamingoes rose from the water in a scene of soul-stirring beauty. Gradually the dark purple outline of the Atlas Mountains faded in the distance. "I'm coming back some day," vowed Ed.

"It's the land of perpetual spring fever," I agreed, and there was no attempt to hide the nostalgia in my voice.

ABOUT TOM LARSON: Tom left Minnesota October 1, 1937, to get a well rounded education the hard way. He covered 58,000 miles in 20 months working his way through a total of 25 countries. His original stake was \$1.43, but he saved \$200 while working, and made it last ten months. Tom is now specializing in natural history and is determined to become an explorer.

A BUSHMAN RECOLLECTS

By ROLLAND C. LORENZ

"Boy! See what in hell make dem noise live for kitchen."

"Massa, dem be fight palarva¹", was Poopoo's quick reply.

Fight, eh! I'd better see what's up. These boys have been known to decapitate each other for less than twenty cents.

Sulking in a corner was Flombo, the cook, his face red with blood. Writhing on the floor amid pans and broken pots, lay yard boy Johnnie No. 2 with his ear chewed off close to his head.

I slice off the stringy remains of Johnnie's ear with my trusty straight-edge. He winced and groaned; he yelled bloody murder when I applied a bottle of zonite to his wound.

When the job was finished, I sat back with an air of satisfaction. My merit badge in first aid had not been given in vain. I returned to a pleasant dinner of palm oil chop.

One morning, just when I should have been getting the most from my beauty sleep, my boy called through the back door, "Massa, dem driver ant live for house."

I cursed him for having the crust to awaken a white man at such an hour, but soon realized that he wanted to help me out of an unpleasant predicament. Every where in the house were millions of driver ants looking for something to eat.

As long as I was in bed I was well protected by my mosquito netting, but my

¹ "Palarva" is the native boys' version of the word palaver, which was introduced by the English some years ago. Palarva covers a multitude of adverbs, adjectives, etc.; money palarva, work palarva, women palarva, or whatever the palaver happens to be.

boy spread kerosene on the floor so I could get out of the house without being bitten.

No attempt was made to drive the ants from the house; it was easier for me to live with my neighbors for two days. Then too, the ants never stay longer than one or two days. It was a nice thought to know that they would devour every cockroach in the place.

Driver ants travel in narrow columns, and I have never been able to find the beginning or the end of these columns.

The ants are carnivorous and prey particularly on wounded animals. All animals regardless of their size, fear them. They have been known to attack and eat fifteen-foot pythons while the big snakes were digesting their kill.

At one time, the practice of staking prisoners of war over a column of these ants was a custom of the tribes of Africa.

Such were incidents that occurred while the writer was an employee of the Firestone Rubber Plantation Company in Liberia, West Africa.

I have been requested to write an article of a technical nature, but somehow my rebel nature leads me to believe that such an epistle belongs in the Journal of Forestry. So, with your permission, I'll just ramble on.

You may be interested in my favorite pet, a pigmy hippopotamus. These animals, which when fully mature are not much larger than a hog, are native only to Liberia. The hippo was obtained from

a Gibi boy when it was about the size of a puppy.

The question of food was a puzzling one at first, but it was solved by giving him boiled cassava (a wild plant with tuberous roots) and canned milk. The canned milk cost me a neat sum, so the menu was changed to wild potato vines and bananas at the cost of two cents per day.

Six months went by; and the slimy, buxom animal grew to maturity. My one worry was that some morning I would awaken to find that the hippo had been stolen for food by the Gio people, for as one Gio boy put it, "Massa, dem hippo be fine chop, fine pass evathin". But nothing happened, and he was still doing well when I left a year later.

One day, after six uneventful weeks in the pleasant little sea coast town of Cape Palmas, some two hundred miles south of Monrovia, I stood on the shore at Sandy point to watch the only cargo boat in a week go by. Maybe these sailors didn't understand the methods of American hitch-hikers, for my frantic waving brought no results.

I was anxious to return to some semblance of civilization; there were but five white men in the village of Cape Palmas. So, a few days later, I joined a Dutchman with twenty-five trained boys who had been bud-grafting some rubber clones. As they steered their boat toward Monrovia, there was still no other boat in sight.

It was a memorable trip as I remember it now—lost in a haze of dust—constant engine trouble with the fear that at any time we might have to finish our trip on

foot. But it was fun, too, as I lay dozing in my hammock with a fishline tied to my leg. We ate cavalla and barracuda all the way home.

It was equally as much fun to guide the boat through a school of porpoises, and when they emerged from the water to let them have a broadside from an elephant gun. We never did retrieve one though; they sank as soon as they were shot.

The native boys have a unique way of preparing fish. It wouldn't come under the classification of tips to the housewife, but it deserves mention. After removing the scales, the fish with heads and entrails are dumped into a pot of boiling rice. When this mix is cooked, they pour off part of the water, and all eat from the same pot, removing the slimy stuff with their dirty, naked hands. One such exhibition was enough to spoil our appetites; subsequent feasts were partaken out of our sight by order of the Dutchman.

After three days and nights on the ocean, we arrived at the mouth of the Du river. Here we waited until midnight when the tide was in our favor and started the last leg of our journey. The guidance of the boat from here was entrusted to a native who knew the river well. It will always be a mystery to me how he was able to guide the boat safely in the dark with all the over-hanging vines and protruding trees we encountered. Suffice to say, we arrived safely on the plantation just as the first faint glow of light made its appearance in the east, and the monkeys jumping from tree to tree seemed to chatter their defiance as we passed through their domain.

EXPERIENCES IN THE PHILIPPINES

By JAMES R. GILLIS, '11

A forester observes that wherever one goes, the world over, the common people are friendly and kind to the stranger within their gates.

Just off the southeast coast of Asia lie the islands called Philippines. "Seven thousand emeralds," a missionary once called them, and the verdant tropical vegetation covering each island gives truth to the poetic description. The eleven large islands are collectively located, but the 7000 smaller islands are scattered over an area five hundred miles east and west by a thousand miles north and south. The climate is tropical, modified by the ocean, and is mostly delightful. It was here that I spent eighteen years helping to put the forestry of the islands on a solid footing.

Eighteen years is more than a quarter of a man's lifetime, and these were the busiest years of my life. First, at the University of the Philippines I worked successively as instructor, assistant professor, and associate professor of forest management and engineering. Then, with the Forest Service I served as inspector and district forester in the provinces. Finally, for eight or more years I was concerned with the development and exploitation of the incomparably rich natural resources of the islands. I made mill studies. I superintended logging operations. I tried logging on my own hook. All of the work was tremendously interesting, but I believe that the most successful years were those spent trying to give young Filipinos a sound

foundation in the fundamentals of forestry.

Of course any person living in a foreign land under an exotic climate is expected to have unusual and pretentious adventures. But somehow life resolves itself into a commonplace cycle no matter what the location; it would seem that the greatest adventures come to those who refuse to let familiarity blunt their appreciation of life's common things.

What things that were fraught with adventure did happen? I shall try to set several of them forth.

There was, for instance, a little incident which happened in the interior of the island of Samar. Our party was met at the edge of the village by a native band which escorted us through the streets to a town hall. Now, in all frankness I appeal to you—what forester is going to believe that any other forester could ever rate a band, even a native band with bamboo instruments?

I also remember one night when I was camped in the jungle and awoke to hear a rustling in the grass near my bed. Rising up on an elbow, I peered in the direction of the sound. I saw a gradually lengthening shadow coming out of the grass and approaching my cot. The shadow grew longer and longer, assuming a size big enough to be the grandfather of all pythons; it lengthened until

it reached nearly half way across the patch of moonlight by my bed. I was just starting to roll out on the opposite side of the bed, yelling "snake" when the shadow came to an end and resolved to be a little wild cat of the Mongoose family — perfectly harmless. Strange what freakish illusions the human mind can conjure up.

Then there was the time when I glanced down at the spot where I was next going to step, and saw about two feet of snake as big around as my wrist. I flew through the air in a manner fit to make the man on the flying trapeze green with envy. But that story isn't much of an adventure either — what forester wants to read of the ignominy of a fellow forester who would run away from a mere ten-foot cobra?

On another occasion I was engaged in making working plans for some of the big lumber companies. One of the men managing a large outfit wrote asking me to do some work for him. I was a long way from headquarters and he assumed that I would do the work without saying anything about it. Of course if I had done the work on government time and had accepted pay for it, he would have had a club to hold over my head whenever he wanted any favor that was not quite according to Hoyle. It never occurred to his warped soul that other men might be honest. As a matter of course, I endorsed his letter to my chief, and asked permission to use some of my leave to do the work. Later, after com-

pleting the job, I learned that he had been bragging about how he would get me for accepting pay for doing private work on government time. When he found that I had frustrated his scheme by getting permission to do the work, he never did pay me. I still have that five hundred dollars coming.

In making surveys there were long wearisome hikes through the sultry jungle, fighting buzzing insects, being almost overcome by heat, sweat dripping down and spoiling the field notes. But as I write this, I remember a July afternoon in the Moyie Valley in Idaho when we got caught on a southwest slope with a 150 foot cliff above us and 500 feet of slide-rock below. The sun gave us the benefit of its full radiance, and the mosquitoes and sand flies attacked every square inch of exposed skin. After that, well, in the jungle we at least had shade.

I might tell of crocodiles other fellows saw and snake stories that happened to someone else; but personal experiences that thrilled were few and far between. There were many incidents concerning the simple friendliness of the natives, none at all of hair-raising fights and narrow escapes. There was much of beauty and some sordid things; but the thing that stays with me is the awareness that wherever one goes the world over, the common people are friendly and kind to the stranger within their gates. All that is necessary to be friends with the races of men is to understand them.



Courtesy Minnesota Conservation Department

*Student Life
In Cross-Section*

FORESTERS' DAY, 1940

By ROBERT TEITGEN

In an atmosphere of stag pants, boots, and boldly checkered shirts, foresters joined in robust good-fellowship to have themselves a Day.

Her Majesty, Queen Vera Bittner — having been crowned and osculated by *Pop, Iron Man of the Cocconino*, Allison — raised her scepter and made proclamation, "Foresters' Day is in session."

Gathered 'round the lovely Miss Bittner, five charming attendants provided an easy-to-look-at background for the *Queen of the Day*. Many a forester viewing that ensemble swore that the attendants were as beautiful a bevy of buxom babes as ever graced the grounds of Green Hall. Small wonder that at this auspicious moment Queen Vera cast an appreciative smile in the direction of her superlative campaign manager, Joe Finnegan.

Six bearded gentlemen stepped forward, and with queenly grace Vera measured and stroked the luxuriant tonsorial tufts. These were the finalists in the epic *Beard Derby*. Urged on by such poignant slogans as "Forget the Babe—Be Like Abe," twenty foresters had hopefully entered the contest. Day by day contestants dropped from the field. Chief reason voiced was, "I'm being socially ostracized" (all of which meant that the g. f. found the beard a little too scratchy at close quarters). And of course some of the beards just failed to materialize. But six were finalists, and Queen Vera thoughtfully made her decision. Wagle's beard was thickest, but Finnegan's covered more area; Teitgen's beard was so-o-o silky, but App had the longest growth. Queen Vera finally nodded and smiled at Joe App, who forthwith became the proud owner of a new Schick Shaver.

The stentorian voice of *Graham McNamee Conrad* boomed through the public address system to announce the start of contests. General Chairman Ralph Nelson



Events

took over, and directed activities on the field. Chopping and felling was first; six men selected axes and took their places at the posts. General Chairman Nelson signaled to Assistant Chairman Tony Perpich; Perpich signaled to Professor Cheyney; Cheyney yelled "Start", and a chorus of axes started to bite out big chips.

While the boys are chopping let's gather a few "chips" of what has gone before. A lot of work was done by some mighty fine assistants; this co-operation made the Day a success.

If there was some poor uninformed soul in the Twin Cities who didn't know about Foresters' Day, you can't blame Ross Donehower. Of course, Donehower did have a main campus assistant—a bear named Carmichael. Somewhere on these pages Carmichael is still advertising Foresters' Day. To prove that it wasn't foresters who ravaged the innocent Carmichael, Donehower led a delegation to demonstrate how foresters would do a publicity job. Forty freshman foresters, armed with axes and peaveys, led a sky-blue heifer through the main campus P. O. — "Quick, Henry, the fork!"

The events of the appointed Day—January 27, 1940—began with the showing of T. Schantz-Hansen's pride and joy, a technicolor movie. "Work for Men," I think it was called. Following the picture, Dick Knox substituted for *Sour Dough Sam* in providing the "gastro-nomic galaxies." During the bean feed the usual rigidly enforced quiet of the lumberjacks board was broken by *Son of Paul* Donehower and his Sons of Swing, who entertained with original arrangements of the German classics.

Paul's Uncle Cheyney began the afternoon program in Green Hall by dedicating the Day to Pop Allison. Jim Ganaway, a veteran Minnesota ranger who is the present chief of the Timber Sales department, reminisced on early developments of conservation in Minnesota; he closed his talk with a brief discussion of the present methods for contracting timber sales. Mr. Searles, of the Minnesota Conservation Department, concluded the program with the showing of a splendid technicolor movie illustrating forestry activities in Minnesota.



Publicity

That ancient wag about *going through college by just walking through the building* came close to being true. Each department of the school set up its exhibit in the various rooms and halls of the building. For those who took time to examine them these exhibits provided a concrete answer to the question, *what does a forester study?*

From a vantage point on the steps of Green Hall, Norman Conrad gave voice and wit to the events on the field. It was an ideal way to follow the contests.

"Carl Wallin, using the *beaver system*, has finally managed to chop and kick his way through to win the felling event."

"The official timer, the one with the calendar, has declared *Doc Rees* to be the winner over *Axe Perpich* in the chopping contest."

"After twelve throws, *Duke Johnson* has scored the sum and total of one-half point to win the axe throwing."

"*Jiggs Rhineberger* has just fallen under the tape—winner in the snow-shoe race."

"The massacre now taking place on the ice of the skating rink is technically

known as *Broom Ball*. The game will be decided by counting the number of broken brooms — or bones."

"*Mel Aaberg* has dragged *Perpich* to a win in the two-man bucking event. *Perpich*, if you're going to ride get a saddle."

"Remember the Foresters' Day Dance tonight at the Oak Grove Hotel. A few tickets are still available."

At the Oak Grove Hotel, in downtown Minneapolis, *Leroy (Swiftly) Ellickson* and his band provided melodious music for the disciples of the terpsichorean art. Foresters and their Queens, in semi-formal attire, gracefully tripped the "light fantastic"—or just tripped.

NOTE TO EDITOR: *Teitgen*, the president of the forestry club, presented the Queen of the Day with an exquisite compact, extolled her virtues, and reminded *Son of Paul Donehower* that he was neglecting his official duties.

EDITOR'S NOTE: *Son of Paul Donehower* regrets that the "official osculatory duties on behalf of the Queen" were not assigned to the inimitable president of Foresters' Day. *Teitgen* was clandestinely primed to do a masterful job of it.



FRESHMAN CORPORATION '39

By EUGENE THIES

On June 18, a group of 31 embryo foresters arrived at Lake Itasca for a five-week sojourn with nature. Staggering under the weight of blankets, tarpaulins, boots, hatchets, canoes, medical supplies, etc., they trudged up to the cabins, deposited their equipment, and announced to all and sundry that they were taking over.

Some may have entertained visions of camping trips, canoe trips, swimming, fishing and hiking. Those visions were banished from their minds about a week hence; that is, all but the hiking which they received in copious amounts under the leadership of one Mr. Buell, a cross-country runner of some repute. Said Mr. Buell when questioned about the fast pace he set, "There is nothing like keeping in shape." As most of the boys were getting all bent out of shape colliding with trees, they thought *Wingfoot* was carrying things a bit too far.

Before things got under way Professor Cheyney explained about taking leave of the camp and mentioned the fact that the local swains did not fancy any interruption in their "pursuit of happiness." No interruptions occurred, however, because no one left camp for any night life except Wishart and Ledin who made a foray into Bemidji one night to take in a carnival. They, in turn, were taken in by two local "floozyes". Wishart, when questioned about the affair made the terse statement, "We wuz robbed."

There was also the time when three of the boys chanced upon a like number of the fair sex sitting around the camp fire on the lake shore, trying vainly to keep the mosquitoes away. Of course the boys, who always had their mosquito dope with them, offered their services. They commented upon the relative merits of leading a frustrated life in the woods and living in the cities. The conversation was waxing warm when a car drove up and out piled three husky "Joes". The lads were last seen tearing off in a S-SW direction through





swamp and underbrush heading for camp. I wonder why?

Joe and Al Anderson, of cabin 9, had a penchant for training wild fowl and one of their menagerie was the pet crow "Jake". Jake was just like one of the boys except that he couldn't be house-broken. Also in cabin 9 were Armstrong and Axelrod who developed quite an attachment for each other. Those boys just would not be separated; they even slept together.

In cabin 5 was *Whoopee John* Allie. John was continually finding animals of the crustaceous type in his bed. Not to mention the spiders he found dangling by a string in front of his nose. This caused John no end of consternation, and he vowed that should he ever catch the perpetrator of those deeds he would run him through with a range pole.

The one big lake party occurred midway through the session when cabins 5, 8, and 9 were down throwing *Prexy* Benson in the lake. Cabin 6, loyal to the end and employing a good deal of strategy, rushed down in a body and brushed the offenders off the dock and into the lake. Many a damp lad was seen being poured into bed that night.

There is no doubt that Custer and Wishart were the best fishermen in camp; Custer had the edge because of his prodigious catches. However, everyone agreed that they were carrying things a bit too far when they ventured out in a heavy sea in an attempt to show Professor Brown and guest where the "big ones" were. Surprisingly enough, and to the chagrin of the camp, they got back alive — without any fish.

Although no one lived in cabin 7 it acquired quite a reputation as a roughhouse. It seemed that the inmates of a certain cabin had an "in" with the cook and nightly managed to sneak a midnight lunch of coffee, jam, and biscuits into cabin 7. After eating, the boys became playful and started heaving biscuits and jam around. Needless to say this mussed up the cabin a bit; which fact irked Walt Nelson, the caretaker, no end. He and *Detective* Brown, pipe in mouth and magnifying glass in hand, were seen examining the premises in vain attempt to apprehend the ruffians. Frustrated in

an attempt to catch the vandals, they padlocked the door.

Charley Schlesinger, of cabin 5, more than once caused Dr. Mickel to tear his hair. Charley insisted on calling a tern a loon and a pileated woodpecker a heron.

During the last two weeks everyone was out on the "forty". Many a lad remembers charging through hazel brush six feet high dragging a chain with one hand and wiping spittle bug froth out of his ears and eyes with the other hand. A good time was had by all, however. The last night was spent in beating out a "40" report.

On July 18th the *Burial of the Quiz* took place with thirty students, in various stages of undress, parading up to Wegeman's store and back bearing the remains of the departed. Numerous

caustic comments were cast at the procession by tourists who were delayed in their mad rush northward. The parade was followed by the interment of the deceased; *Reverend* Joseph Anderson of the Greek Unorthodox Church administered the last rites. The eulogy was read by *Deacon* Hanson. All this was accompanied by much weeping and gnashing of teeth on the part of *Widow* Allie who, in a moment of grief, had to be restrained from committing mayhem. Thus, the last official act of the Freshman Corporation of '39 was completed, and the mourners filed sorrowfully(?) back to their cabins — the summer session was closed.

The Corporation of '39 takes leave of the scene with a bit of advice to the Corporation of '40. Don't take your work too seriously; make the Headwaters Inn your headquarters.





Once in a blue moon you meet a college student who has a definite idea of what he wants to accomplish. For that reason you'll be interested in Charles Brochman.

STUDENT WITH AN AIM

the Editors

At a fraternity smoker we first met Charlie Brochman.

The speaker had finished. There was a general chatter of conversation and occasional laughter. Informal little groups of men knitted together in genial association. Charlie happened to be nearest us and we got to talking with him.

"What are you majoring in?" we asked, just to make conversation. And then we discovered the important thing about Charles Brochman. Charlie has an all-consuming interest in wildlife and game management. This is his penchant, and he has some definite ideas about it.

We didn't talk to anyone else all evening. Charlie told us about his game refuge. There are 80 acres in his game farm, he said; there is a pretty little pond on the area, and a creek flows through the entire refuge. Back in 1934 he began his work by making a survey of the area to determine what parts of it could be improved. He deepened the pond and damned the outlet. Then wild rice, smartweed, millet, and wapato duck potato was planted in the water. Charlie thought that restoration for waterfowl was more important than restoration for upland game. Upland game, he held, can be propagated easily, but waterfowl

have to be helped by the provision of a favorable habitat.

Charlie talked on, and we listened—not because we were interested in game management but because he talked with a vigor and an enthusiasm for his subject. There is a magnetism in that kind of speech, you can't help but listen. As the evening grew late, in order to go home and get some sleep, we made promise to visit the Brochman farm.

On highway 212 to Stillwater, the Brochman farm is set back a short distance from the road. To the casual observer it looks like just another small southern Minnesota farm, but Charlie has a vision of something here. To him it is a land of possibilities.

In the neat little farm house Charlie spread a map on the dining room table. "Here's an aerial map of our township," he said. "These are the '40' lines, and down here is our farm. This area is the pond; the creek flows across the land diagonally like this. On this 80 acres I've tried to make conditions as ideal as possible for wild life, and the land is still good farm. Any farmer could do the same."

Charlie swept his hand broadly across the map; there was a visionary look in

his eyes as he said, "The whole township could be organized as a farmer-sportsman co-operative." Then after a pause, "Most of the other townships in the state could be organized likewise. That is a thing I am working towards."

His interest in community problems goes deeper than just talk. Charlie is adult leader of the local 4H Club, and he's got his club members working on this farm-game area idea also. In teaching the principles of the thing he uses some interesting techniques. Example: Charlie wants to impress on would-be game managers that the common house cat destroys more wildlife than do hawks, skunks, owls, or weasels. Solution? Simple. A target game of darts is made. The picture of a cat is drawn in the middle ring of the target and the pictures of the other predators are placed in the rings that score less points. Dart throwers that keep trying to hit the cat can't help but get the idea.

"Maybe this game refuge idea sounds like a lot of 'guff' when you just talk about it," Charlie remarked, "but on the land it is a very real and workable thing. Let's go outside, and I'll show you what can be done."

On snowshoes, the three of us worked our way across the open fields and through the woodlot brush. Charlie pointed out the organization of his game refuge. Food supply and cover were the main things. Thickets of June rose covered the slopes of the railroad right-of-way—rose hips will help feed upland game birds. Wild cherry lined the fence rows as attraction for song birds. The corners of each field were not cut and

cleared, but were left as cover for birds and game. The woodlot, of course, furnishes the main cover. Winter feeders were established in several places on the woodlot.

"How about grains for the feeders?" we inquired. Wheat and corn are best, Charlie figured; oats, rye, and barley are not so good. Why? Charlie gives these things a critical approach.

"On the farm we feed mostly wheat and corn to poultry. The reason for that is because the protein content is higher. I figure game birds must be built somewhat the same. Then, too, you usually find the birds in the wheat fields or the corn fields—that gives an indication of what foods the birds prefer."

If there is water on the area, the important thing is to plant waterfowl foods. Marsh and swamp lands can be converted to feeding areas for the water birds. Charlie showed us the planting he has done on his pond area. "Giant wild rice, millet, and duck potato are good plants because waterfowl are principally vegetarians," Charlie told us. "These birds feed on the rootstalks, tubers, runners, stems, leaves, and seeds of the various marsh plants."

It began to dawn on us that the land we previously viewed as just farm land had another and important use. The 80 acres began to take on the aspect of a simple, well organized game refuge. This sort of thing on every farm is the thing Charlie is working toward. "Any farmer can do it," he says, and something in the set of his jaw and the earnestness of his look makes us believe that he is right.



THE WAR OF THE CORPORATIONS

In the Spring of 1939 two Junior Corporations went northward to woods camps. Each camp insisted that its members were the more privileged, neither would admit that the other camp had an edge. Pen-points were crossed frequently in an endeavor to prove superiority.

Forest Experiment Station,
Cloquet, Minnesota,
April 5, 1939

Mr. Ralph Elkington,
CCC Camp 710,
Cass Lake, Minnesota

Dear Ralph:

When Schantz-Hansen sang that ditty about "East Side, West Side" at our first corporation meeting he had the right idea. First night in camp *Whitewater* Jacobsen and Forrest Olson led a delegation to scout the East side. The boys made careful researches on the clean glasses problem, the rising bubble phenomenon, and the evening "glow" sensation.

As yet the only thing we know about the West side is that you have to go through the West side to get to the East side.

Sure we like our set-up in camp here. Picture an over-story of tall Norway and jack pine, with an under-story of five cabins, an office, a mess hall, and a dense thicket of second-growth Norways. We've got a new bath house, too,—seven holer, shower, tub, or steam baths.

Pop Allison hasn't been laying on the management work too heavily yet, and the only serious worry we have is the matches-for-chips problem. Of some concern, though, are the singing brothers of the Boars Nest. Every night *Cab* Conrad and *Doug* Welch lead the gang with a nasal rendition of "Ring-dang-doo."

The only flaw in a perfect set-up is our K. P. duty. We really regret that you fellows couldn't come to Cloquet.

In friendship,

Chuck

.....

CCC Camp 710,
Cass Lake, Minnesota,
April 11, 1939

Mr. Charles White,
Forest Experiment Station,
Cloquet, Minnesota.

Dear *Chuck*:

No regrets needed!

We are bunked in a large log barrack that affords us plenty of room, and—get a picture of this—every day an orderly makes our beds and cleans the living quarters. We like it!

Naturally, at first we were a bit in doubt about the kind of grub this camp serves. The food is really good—no K. P. duty before or after meals, either.

Cloquet

Maybe you fellows should have come to Cass Lake!

Four things we do have to contend with though are the *chowhounds*—Lem Blakemore, *Broadbeam* Hanson, *Bubbles* Erson, *Hot-dog* Hogdal, and *Wintergreen* Aaberg. Luckily for the rest of the fellows most of the chowhounds fight it out at one table.

The first Saturday night in Cass Lake was unforgettable. Lem Blakemore became the "white hope" of all the Cass Lake girls. Walt Erson claimed that every girl in town gave him the glad eye. "Bull"! said his fellow foresters. The Green Lantern Tavern became the favorite spot for all foresters.

First assignment in Cheyney's silviculture was a silvical, logging, and thinning report on a quarter-section of land. Net result—six "lost" quarter-sections and twenty tired foresters.

Yours truly,

Ralph

.....

Cloquet, April 19, 1939

Dear Ralph:

We are "barreling" on management reports.

About the only event of recent importance is the revival of the fine old game of "Dilk". *Duke* Johnson claims that he brought it over from Denmark where it was originally known as "Djlk". In its more refined phases, the game is a batty combination of golf, baseball, and Indian clubs.

These management reports are long drawn out affairs, but they are nothing compared to some of the letters *Judd* Isaacson and *Don* Diesner send out addressed *Miss* _____.

Joe Blow Hess, though, has brought in advanced dope on certain of the "Cloquettes", and it appears that *Gordy* Coffin and *Mike* Hernyak—strange combination, isn't it—are developing local complications.

"I ain't got no use for the women," however, is still a strong favorite with the *Boars Nest* bunch. *Bob* Binger and *Buck* Buckman have most recently joined the nasal narrators.

Your set-up on *K. P.* sounds great. It doesn't bother us too much, though, as *Fatboy* Finnegan is doing a swell job as steward. *Mom* Watkins serves the kind of meals that make you reach the dining hall long before the chow bell is rung.

Our regards,

Chuck

.....

Cass Lake, April 30, 1939

Chuck:

"Dilk" might be something new and unusual, but have you ever heard of *Shasta* Clark's "rotor-tiller"? *Shasta's* poignant description: "A rotor-tiller is an interesting item."

We have finished silviculture. Our planting was done in tractor-plowed furrows—not too hard work. From rumors here we understand that you fellows will have to do a lot of tough work scalping. This Cass Lake deal is *very* nice.

The vocal gifts of this camp came into play the night *Underwear* Murray cut off his longies. *Al* Lee returned to old Barrack C after an escapade with the elite of the big city, and—so help me—actually got into his pajamas without the help of *Bennie* Benson, chief wet



Cass Lake



Cloquet

nurse. Montana's gift to the Jigaboos rendered several arias from "Tessie" which plunged him into the arms of Orpheus and the rest of the camp into a tumultuous state of disorder.

Eventually quiet reigned. But not for long, because *Broadbeam* Hanson's blatant, somniloquistic babblings revived chaos until Helgeson's boot and Elkington's "sweet" utterances of consolation silenced that handsome brute. Lee then blasts out again with incessant howls on subjects far too sacred to appear in this journal. About that time *Shasta* Clark, of the rotor-tiller era, started turning over the bunks. By the time an armistice was signed, breakfast was being served.

Such is life,—it matches Cloquet, though.

For the Cass Lake bunch,

Ralph

.....

Cloquet, May 8, 1939

Ralph:

Equipped with spade and partner our fellows have been going forth to dig out the doughty woodchuck—you're right, it's that inane forest zoology course.

Aside from the distasteful job of collecting droppings, regurgitations, and what-not, (also what for?) life here is more or less in a cycle. Mondays are given to nursing pleasant memories of the previous week-end, and Saturdays—if reports aren't due—are spent making the memories.

Week day nights we play diamond ball. The league is hot, and either the Bull Pen or Shangri La may take the championship. Mainstay of the Bull Pen team is *Jiggs* Rheinberger who attributes his flashy play to "Beech Nut" eatin' tobacco. Donehower pitches nice ball for Shangri La.

One advantage of this Cloquet deal is our trips to the cities. Don Diessner, our commuting brother, leaves for Minneapolis regularly on Friday noons. The lads not fortunate enough to ride with Don take it ala thumb. Leo Nelson and *Whitewater* Jacobson claim their last trip was via California.

Regards,

Chuck

.....

Cass Lake, May 14, 1939

Dear *Chuck*:

Since Hatfield left, the market for fecal materials has hit bottom. Time was when droppings were at a premium. One skunk dropping could be traded for a host of rabbit, grouse, or porcupine defecations.

The Sah-Kah-Tay Lodge is no longer so popular either. Once it was a shrine for all sign collectors.

Following squirrels around, though, has inspired some squirrely behavior. The other night Roy Keskitalo and Ernie Stoekler sang all night at the cabin door. Ed Loomis got himself a soup bowl haircut. Bob Bingham and Bill Nickolas climbed a tree to an eagle's nest. To top it all, Walt Anderson ate a grubworm on a bet. I don't know . . . sometimes I wonder.

The athletic equipment is nearly worn out here. No K. P. duty means more time for sport.

It sure is swell to finish a tasty meal, push back your chair, and walk away from the table without bothering with dirty dishes and other K. P. duties. What do the Cloquettes think of your dishwasher hands, anyway? Yaah, you guys should have come to Cass Lake.

For the Cass Lake Bunch,

Ralph

.....

Cloquet, May 22, 1939

Ralph:

Last night we had another of our celebrated K. P. parties. These affairs that are sponsored by Mom Watkins set the social pace of the camp. At one of the recent parties, Satch Nelson laid them in the aisles with his mimicry of Adolph Hitler.

Our corporation dance is tomorrow night at the American Legion Hall. Already the anticipation of female visitors in camp has inspired a general clean-up of all cabins.

The most notable purge of dirt was in the Boars Nest. Some fastidious Boars Nester swept the floor clean for the first time during the quarter. Lacking a dust pan, he left the pile of debris in the center of the floor while he went to promote the necessary dust pan from Swain, the caretaker. During the floor sweeper's absence some silviculturist happened in and burned the slash where it lay.

Last week the "Sons of Rest," inert society of lethargy, was organized in cabin Shangri La. Schantz-Hansen was voted "Most Noteworthy Example."

Poker Flats cabin has a newspaper called the "Bugle". No censorship is imposed, and most items have a ribald edge. Best column is "Advise to the Lovelorn" written, we think, by Milt Hendrickson.

Regards,

Chuck

.....

Cass Lake, May 29, 1939

Chuck:

Most important happening here has been our big campfire party. Toasted chicken sandwiches and stories were the repast of the evening.

The gang heard many a tale of "the good old days" from Prof. Cheyney, purveyor and authority on old maid stories.

Pop Allison was good for some stories, too. One of the epics he told was the murder of the singing cruiser down in Arizona, in the fall of '06—the year of the big sheep war. I didn't get it.

Slim Parker was in camp for a visit recently. He had some wild-eyed story about meeting a man on a bicycle. From his recount, your Boars Nest cabin must be quite a "hole". Are the rest of your cabins as bad as that one?

Lately we have been seeing free movies sponsored by the CCC camp. The deal, though, is when they pass around the free cigarettes.

When Finnegan and Donehower get through figuring accounts, we would like to have our refund sent to this camp in care of Cheyney and myself.

Yours truly,

Ralph



Cass Lake



Cloquet, June 3, 1939

Attention: Cass Lake Corporation.

The Cloquet Corporation held its final meeting yesterday. There was much agitation in camp about the easy set-up your bunch has enjoyed. Our fellows feel that you must be living like gods.

We have voted to distribute the refund only among fellows in this camp.

Sincerely yours,
The Cloquet Corporation

.....

Cass Lake, June 5, 1939

SPECIAL DELIVERY—Cloquet Corporation

Dear *Chuck*:

This camp is in an uproar about the action taken at your recent meeting.

An equal refund was originally agreed upon. We want our share.

I gather that you are misinformed as to our set-up here at Cass Lake. It is true that we have not had to do some of the work you mention. However, we do have to put up with lights out at 10:00 P. M. The food is not exceptionally good, especially since the warmer weather; coffee is bad, and no cream. We have to serve ourselves at least half the time, and many times the food runs short before we have had what we want. The orderly has not been cleaning the living quarters for the past month, and never did do a satisfactory job. When it rains it pours, and our roof leaks in more spots than we can locate. Cold showers in the bath house are delightful. We never do have hot water when we want it. Paying for transportation every time we want to go some place is hard on the sock, especially since there is nothing in town when you get there.

I hope we have cleared a few points, and a better understanding will result.

Sincerely,
Ralph

.....

Cloquet, June 8, 1939

Dear *Ralph*:

Your last letter, with its change of tune, has caused a change of feeling in this camp.

The refund is to be divided equally.

Most of our boys are rebuilding their strength after a strenuous week-end in Cloquet. The Bull Pen boys claim that they swilled away enough money to have a first mortgage on "Augies". Even the home-staying lads of the Forester cabin took a chance on having "Shawn" chew up all their belongings and went to town.

Carl (*Bluetooth*) Wallin and Fred Jacobson are still telling the story of how they went over the rapids in Jay Cook State Park standing up in a beer case—which was hardly wet at the end of the jaunt.

It has been a memorable session.

Goodluck for summer jobs,

Chuck

Cloquet

Chips...

Fun, Food and Foolishness

By the light of a cool October moon, more than 150 foresters told stories, listened to profs, and followed *Jack-pine* John Kerzisnik as he led the singing of songs that were once popular.

Shorty Roe's surveying pasture was gleaned for wood; the fire was a mighty one. Tom Larson told of world travels—of pretty girls in Norway, and of vermin commonly associated with bathless bodies.

The moon rose higher, the fire burned down to a glowing bed of embers, and all the boys settled down to the exacting business of roasting wieners. Politely, many of the profs excused themselves; reserves were broken down, and the fine-hands at story-telling brought forth the most ribald of wit. Only after-regrets were that these were the days before the "Confucius Say—" era.

Every Fifteen Minutes

At odd times the Inter-Campus Special tips over milk trucks or runs off the track or gets behind schedule because of heavy snow. These interruptions only serve to emphasize the usual dependability of the line.

Student passengers, though, can count on something in addition to the regularity of service. The genial gentleman known as *Skipper* Spencer is always good for a discussion on almost any subject. This is an election year, and the Skipper should be in fine fettle.

Timber Bug Twirl

The Forestry Club attributes much of the financial success of the fall dance to the following want-ad.

"WANTED: One *Svenska flicka* three axe-handles high; 30 inches DBH. Must be well developed in root and crown and have a sound heart. Must be a good floater on the drive. Must be resistant to fungi and abrasion, and above all must not be susceptible to fire injury. Scale must be sufficient to cover transportation and milling expenses at the TIMBERBUG TWIRL."

The Test Of Time

For 25 years now, students have been taking exams in Ag Campus classes without being sus-
picioned or cudged by proctors. Ninety-eight
percent of all grads from this campus have experienced the certain
satisfaction that comes when someone else believes in your
integrity.

In all these years the plan has never been modified—the origi-
nal plan has been carried through.

At times the system has been questioned, but at every four
years election students have had enough faith in the honesty of
their classmates to continue the system. Spring of 1940 brings
another election.

The Gripes Of Wrath

To every student there comes a time when he
feels like signing his honor system pledge,
“I have neither given nor received any help
in this course.” The gripe vine has it that a certain Cloquet
Corporation is subscribing a fund to buy T. Schantz-Hansen a
pair of good leather boots so he can get out in the woods more
often. . . . The boys taking *Pop Allison’s* courses wish that
he’d mimeograph and distribute his notes rather than dictate them
line by line — saves time attending classes, you know.
Students in game management desire to inform Gus Swanson that
the courses he teaches are not the only classes they must study
for. . . . The winter quarter forest protection class wishes that
Henry Hansen would work a little of the “humus of humor”
into the “heavy soil” of his course material. . . . GENERAL
OPINION: The profs in 110 would find it a big help in writing
those letters of recommendation if they would take a tip from
“Mr. Chips” Foresters with a rating below 2.0 would like
to know who started this honor-point ratio business anyway. . . .
Visitors in *Doc Schmitz’s* office are wondering about these notices
of Girl Scout meetings. . . . One student’s nomination for a
“best seller” of 1940: *The Importance of the Student Body*—
to be given gratis to each faculty member.

She Wasn't Sure

To make arrangements for the Foresters' Day bean feed, Dick Knox talked with Miss Dunning who manages the farm cafeteria. Miss Dunning was a little glum about the whole thing; she wasn't sure that the cafeteria should serve the meal.

"I suppose you think I'm kind of a grouch," Miss Dunning finally remarked, after the third time Dick talked with her.

"Well," replied the diplomatic Mr. Knox, "I think you're a lot like my aunt — she gets a little grouchy now and then, but she's got a heart of gold."

Relaxation Unlimited

Who couldn't relax in \$24,000 worth of over-stuffed furniture? Well, it isn't all furniture, but it does make a comfortable place to "sit out a class or two."

The old sign, "Clubrooms for Men," has been taken down, and the Ag Union is now coed-ucational. College men and college women now enjoy the privilege of a place on the campus to relax and lounge.

These are the boys and girls who respond to the Lin Yutang philosophy—"beside the noble art of getting things done, there is the equally noble art of leaving things undone."

With new equipment, the Ag Union Board has this year done more than merely provide a place to earn a few unacknowledged credits in contract bridge or pool. They have sponsored sunlite dances and coffee hours and hobby shows.

Human Whirlpool

"Ah, a note from the blonde in rhetoric," thought the forester as he saw a slip of white paper in his P.O. There was just barely time to fish it out of the box, and then he was bumped, whirled around a few times, and carried out of the "room with all the little boxes."

Of course the envelope wasn't a note from the blonde, but just a notice inviting the forester to a Delphinium Club tea. In disgust, he promptly dropped the notice with all the others on the P.O. floor.

Students may be broadly classified into two division: (1) Those who check their P.O. at every opportunity during the day—expecting fan mail or something. (2) Those who visit the P.O. perhaps once a week or less often—evidently going on the philosophy that "there's nothing there but the *Doily* anyway."

Fertilizers
lf -- 2s

Breathe as gently as you will, there is no easy dismissal of the fact that there are times when the Ag Campus strongly impresses the olfactory senses.

There is debatable evidence that much *Bull.* is thinly or thickly, as the case may be, spread on in the classroom, in the dormitories, and in the recreation rooms; but there is no doubt that every fall the campus grounds are literally strewn with it.

When the little organisms of decomposition set to work releasing gaseous mixtures to the vagaries of the wind there is many a forester who would just as soon give the campus back to the Ags.

Anyway, despite the olfactories, the grass grows greener.

Professor Mannerisms

E. G. CHEYNEY

Lectures with chin cupped in hand; elbows on lecture stand. Shifts elbows three times a period during fall quarter lectures, and four times a period during winter quarter lectures. . . . Dean of story tellers.

R. M. BROWN

Juggles chalk in hand while lecturing; scratches head. Explains the intricacies of working for *Uncle*.

HENRY SCHMITZ

Hands in coat pockets, head thrown back while lecturing. . . . Horatio Alger stories.

J. H. ALLISON

Lectures with hands in pants pockets. Tells stories of the wild and woolly West—usually melodrama.

HENRY HANSEN

Holds body tense, rigid, while lecturing; scratches nose. . . . No stories.



Timber in Use

preciate any word from some of the old fellows.

CLASS OF 1928

Benjamin M. Whitehill continues his work as ranger on the Sleepy Cat District of the White River National Forest. At the present time he is confining his efforts to a survey of the White River elk herd. His results indicate that the "Wapiti" herd will meet all expectations. Ben is now associated with John Rundgren ('33).

Merrill Deters is occupied in East Lansing, Michigan, where he is Grand Secretary of Tau Phi Delta Fraternity.

E. J. George is with the U. S. Field Station at Mandan, North Dakota.

Ray W. Knudson has made a little jump as far as his position on the map is concerned. From Kirkwood, Missouri, Ray went to the Chequamegon National Forest, assigned to the Supervisor's staff. Undoubtedly, all of use have our worries. Ray is no exception. He writes, "My principal worries are planting, T. S. I., and Timber Sales.

F. H. Kaufert delivers us welcome news to the effect he will be back with us at Green Hall in a short time. For that reason he refrains from giving any news of his activities. Mr. Kaufert, you know, has been and is connected with the E. I. du Pont de Nemours Company of Mendenhall, Pa. We are all looking forward to your return to Minnesota, Frank.

William H. Fischer, Supervisor of the Chattahoochie National Forest at Gainesville, Ga., tells us "we (who is "we"?) are planning a vacation in Minnesota this summer and hope to renew friendships with faculty members and inspect Green Hall." Mr. Fischer, you'll be amazed at the contrast between the Horticulture building and Green Hall.

CLASS OF 1929

S. B. Andrews, of the Wood Preserving Corporation at Charleston, S. C., had "a very pleasant trip through your building and enjoyable visits with members of the faculty" during the time he called on us last fall. A \$200,000 creosote-treated stock fire, and a half million dollar treating plant explosion, killing one and injuring three, in a period of seven months" are two reasons why S. B. finds things so interesting. If not interesting, things are certainly exciting.

CLASS OF 1930

Arvid Tesaker writes the welcome news that he is still with the Soil Conservation Service, working out of Lafayette, Indiana. Arvid says, "we hope to get plenty of timber here some day through reforestation and protection of present woodlands."

Harold L. Mitchell, consultant in soils and plant nutrition with the Allegheny Flood Control Survey makes mention of his change in address—from Cornwall, N. Y., to the Buffington Building, Kittanning, Pa.

Ralph W. Lorenz is an Associate in Forestry carrying on forest research in the Agricultural Experiment Station at the University of Illinois. Ralph states that in view of the fact, trees characteristic of the northern coniferous zone may be found in northern Illinois and trees characteristic of the south are found in southern Illinois a number of interesting forestry problems are presented. "This situation presents a wide range of silvicultural possibilities. The dendrology problems are certainly not as simple as they were in Minnesota."

Eynar Benson reports that he is continuing his position as Forest Ranger on the De Soto National Forest in Mississippi. At the time of Eynar's writing, he was figuratively dancing on his toes—what with the fire danger up 100 per cent during the first of March. He reports planting 35 million slash pine since 1935.

W. H. Brener writes "still on the same old job."

Clarence D. Chase reports he is still Ranger of the Manistique District of the Hiawatha National Forest. "Mrs. Chase, two children, David, and Judith, and I are enjoying living in the nicest Ranger Station in Region nine."

CLASS OF 1931

Alf Z. Nelson continues with the Division of Forest Economics of the U. S. Forest Service, Washington, D. C. Alf attaches an obituary concerning a classmate, **Charles R. Randall**, dated June 13, 1938. From the notice we learn Charles died from heart complications on June 12, 1938, and that up to the time of his death he was in charge of the Correspondence Unit in Information and Education. Thanks for news items, Alf.

Clarence E. Olson sends in his eight "bits" from Salt Lake City, Utah, where he is work-

ing in the Soil Conservation Service.

Lyall E. Peterson. Lyall likes his job with Division of National Land Planning in Washington, D. C., tremendously—becoming so engrossed he sometimes foregoes his weekly game of golf. He expects to return to Minnesota this spring for some information on our northern lands. Lyall proudly announces that he is now the daddy of a cute little girl. Not a potential forester, we'll admit, but maybe a Home Economist. How about it, Lyall? His four year old son has won baby contests covering six states. He must have a secret formula!

W. W. Jolly is one of Minnesota's representatives in the T.V.A.—he and **George T. Olson.** Bill proudly claims that he has five dependents—not counting the dog—and every one a Jolly through and through.

Wes Donehower is still with the S.C.S., but is now in and around Lancaster, Pennsylvania. Some of his work in the past year has been with co-operative timber marketing. As yet, Wes is a bachelor in good standing.

A. E. Schneider, after completing a year's work in public administration at the American University in Washington, D. C., has been transferred to a staff position in the Division of Operation, Region 9. He formerly was assistant Supervisor on the Huron National Forest. Art tells us that **Jim Bussey '38** is spending a year's internship with the Forest Service—grappling with practical administration problems in the Milwaukee Regional Office.

Maurice W. Day encloses his buck and offers the latch string to all Minnesota Foresters. Maurice is associated with Michigan State College now.

Ray Osborne sends his acknowledgement for the Peavey from Ontonagon, Michigan.

Stanley Buckman writes us from Louisville, Kentucky, where he continues as Head of the Research Department of the American Creosoting Co. **J. M. McMillen** and **R. C. Smith,** two more Minnesota Foresters, are working with him. Stan is proud of his profession. So much so, that he already has two potential foresters in the Buckman abode.

CLASS OF 1932

Orlo Soland writes to the Peavey from Norway, Michigan.

Howard B. Smith calls our attention to the fact he is finishing his fifth year as district ranger at the Pinedale Ranger Station, Pinedale, Arizona, and that every day of it

has been enjoyable. Your copy of the Gopher Peavey will be on its way soon, Mr. Smith.

CLASS OF 1933

Henry A. Stoehr sends in his "buck" from Camp SCS-25, Greenville, Illinois, where he is employed as Junior Biologist. Henry must not like the Tennessee winters.

Victor O. Sandberg enjoys the Southwest—especially since he has been appointed as District Ranger on the Spring Valley District in the Kaibab National Forest in Arizona. Congratulations, Vic!

Donald E. Price has been indulging in some "book larning" this winter at Utah State Agricultural College. Specifically, it's a quarter of graduate study in Range Management. He expresses his opinion, "I doubt very much if it makes much of an impression." Don't we all, at times. Don is now Assistant Ranger on the Roosevelt National Forest. One of the driest seasons in the front ranges of the Rockies in better than twenty years kept his duties this summer confined chiefly to fire fighting. Since Don's letter arrived, we learn that he has been promoted to District Ranger at Moffat, Colorado. He was married April 6th.

John A. Rundgren makes reference to a transfer he made last spring—from the Devils' Head District of the Pike National Forest to the White River District, White River National Forest. To find that the adjoining District was being handled by another Minnesota alumnus, **Ben Whitehill,** pleased him no end.

Emil G. Kukachka when he wrote us, was enjoying the mild Minnesota winter doing work in connection with the Forest Survey, T. S. I., and Lake Survey. Emil commented on the poor snowshoeing in northern Minnesota.

CLASS OF 1934

Karl Ziegler sends a dust bowl simoleon for a copy of our efforts. Writing from Hutchinson, Kansas, he glories in his investment. It isn't every day Karl can evade the sales tax.

CLASS OF 1935

Jack P. Dundas sends word to the effect that he is still working with the Soil Conservation Service in Wisconsin. He and **Jack Dinsmore** took a trip South this winter. They looked over the southern pines and some kind of pinion at the Mardi Gras. Not bad, Jack!

Roy M. Carter reports a decrease in bachelors in Wisconsin. As a supplement to the big step, Roy has almost been made Extension Forester in that state. Congratulations, Roy.

Donald D. Baldwin has recently been transferred from Bottineau, North Dakota, to Fessenden, North Dakota, as District Conservationist on the Wells County Soil Conservation District.

Norman O. Nelson, one of the numerous Minnesota graduates on the Chequamegon National Forest, is wrestling with Assistant Ranger duties on the Glidden District. Your list of Minnesota grads with their respective "hangouts" was a big help. Thanks, Norm.

Lansing A. Parker compliments the staff on its "persistent correspondence." The Peavey goes to press the fore part of May, so it won't be long before your Peavey and one for Lee Moore reaches you.

O. K. Krogfoss is Junior Forester working on the Potomac River Flood Control Survey with headquarters at Winchester, Virginia. Prior to February 1, he has been with the Appalachian Forest Experiment Station in Asheville, N. C. Tracing back into the past just a bit, we learn that on January 3, 1940, O. K. and Evelyn Curtis of Asheville exchanged the vows of matrimony. He informs us that Tom Lotti, '27, is in charge of the forestry work on the survey.

Peder N. Lund continues with the Soil Conservation Service in Southern Wisconsin. Last July the Area Office was set up in Baraboo, the center of all activities in several county districts. As Area Forester, Peder has the pleasure of working with several Minnesotans: Jack Dinsmore, who is developing erosion control plans; Howard Hass, doing similar work; Ray Dingle, another erosion control specialist; Jim Stevenson; and Ray Carter, who spreads good information on woodland practices for the Wisconsin Extension Service throughout southern Wisconsin. Peder extends a hearty welcome to all foresters—new or old. He expresses thanks to the Peavey for a chance to retain familiar contacts with his old school.

Wilfred H. Lauer, Jr., for the past five years has been with the Soil Conservation Service as Forester for the Gilmore Creek Demonstration Project at Winona, Minnesota. He states "the work is interesting and I like it lots." Bill, your former stooge, the editor, has been seen talking to himself since the J.F. tch! tch!

Sulo V. Sihvonen, District Supervisor for the Crossett Timber and Development Co., Inc., writes that his company is one of the very few outfits operating on a sustained yield basis and is equipped to utilize every stick of timber grown on their lands. Some of the uses other than lumber are, pulpwood, chemical wood for distillation, and cross ties for the company railroad. Sulo has just completed a working plan for the coming year which means one leg of their ten-year cutting cycle.

As a matter of interest to all Minnesota Alumni, H. H. Chapman and G. A. Garrett took the Yale Forestry School class, on their annual visit, to Mr. Sihvonen's district. So instead of being the questioner, Sulo had to give the answers.

A hearty welcome is offered to any Minnesota Foresters who may pass through Bastrop, Louisiana.

Herbert J. Erickson is with the Bureau of Reclamation on irrigation work. Herb says he moves too often to consider any address other than Room 14, Montana Building, Helena, Montana, for a mail address.

C. G. Wyatt reports that in the Rocky Mountain Region you can find W. A. Winkler, Bob Sharp, Rog Meacham, and Pete Schuft. Also he has seen Don Price, John Rundgren and Frank Dunn, a "real old timer." The past year has seen C. G. promoted from timber sale ranger to district ranger.

Warren H. Livens is still on the Nicollet National Forest.

M. F. Brandborg forwards his prescribed amount and describes his position as Ranger on the Kremmling District of the Arapaho.

In retaliation to Larson's trip across twenty-five countries on \$1.43, "Brandy" tells us that he covered two hundred and fifty sections—40 acres wide and 600 acres tall—on one \$1.43 horse. Brandy also lists his gains and losses since leaving school. Since they likely are applicable to many of you, we must list them. To quote: "Among the losses are part of my faith in human nature, a good share of the little information I picked up at school, a tendency to spend my dough on 'incidentals', the dough to spend if I still had the tendency, and an old inclination to 'call' with two small pairs in my hand. The accumulations include a wife, a daughter, a saddle worth roughly twice the combined value of the two horses upon which it's used, a couple of pairs of 'Levi's'

with pre-bowed legs, and a decided preference for 'chewin' over 'smokin' for summer tourists.

Brandy proudly states that since his arrival on the Kremmling District, he has not had one fire. But he's worn a hole in his old pine desk knocking on wood.

CLASS OF 1937

Sam S. Poirier can be found in Connecticut working on the hurricane salvage program. Duties at present consist of looking after the log moving program and the inspection of R.R. ties to be sold to the NYNH and HRR. Sam predicts the entire program will fold up sometime in the fall, although the hazard removal work may continue, depending on appropriations from Congress. From his we're advised that Martin Meldahl is with the Heimback Lumber Co. in Duluth and Omund Seglem and Russ Kauppi are in Duluth with the U.S.F.S. Sam attended the Society of American Foresters' (New England Section) meeting in Springfield, Mass., in February.

William McFarland has acquired an M.S. in biochemistry. Bill is now in the market for an employer of a hybrid forester-chemist. All employers of such are requested to write to above-mentioned person at Ely, Minnesota.

Roy W. Eggen, your fears are unfounded. Your letter was received in ample time for the Peavey of 1940. The Wisconsin Conservation Department now keeps Roy in "bread and butter" with the Nekoosa-Edwards Paper Co. in the role of employer prior to Roy's debut into public forestry. His rank is District Forester in Cooperative Forestry.

Dwight Benseid and **Francis Kukachka** remain with us in Green Hall as members of the faculty. Wood Structure classes, J.F. seminars, and work in the greenhouse keeps Dwight busy. His problem in jack pine seedling growth still stumps the boys in Brownie's problems class. Cooky is working out a structured key for the genus *Tilia*.

Harry S. Mosebrook. After spending last season at the Southwestern Experiment Station, Harry returned to Michigan's forestry school in pursuit of that elusive master's degree.

Axel L. Andersen writes us from Michigan State College. We are inclined to think that Michigan must have a fine school considering the source of their faculty men.

E. Arnold Hanson is engrossed in Admin-

istrative Fire Studies in the division of Fire Control, Regional Office, Ogden, Utah.

Richard C. Smith encloses his "annual rock" together with the news he has recently left the United States Forest Service for work in the research department of the American Creosoting Company in Louisville, Kentucky.

Joseph P. Falbo is, as last year, a chemistry lab assistant at the Hibbing Junior College.

F. M. Thompson says cruising timber, mapping company holdings, and studies on the growth and regeneration of spruce and balsam on cutover lands occupies a major portion of his time. A touch of romance, no less! Former Home Ec Lulu Gran is the girl. The big event is scheduled for this spring.

Frank Shearer, eastern representative of the White River Lumber Co., Enumclaw, Washington, has been "dishing it out" to the boys in Commercial Lumbering since last fall. Frank presented a paper on Minor Wood Products at the winter meeting of the Minnesota Section of the Society of American Foresters.

Omund Seglem has been employed by the U. S. Forest Service on the Chippewa and Superior National Forests. From fire trails to portages; from maintenance to surveying—all have been catalogued in Omund's experience. He and Al Nelson spent several months on a survey of the caterpillar on Aspen in the summer. In winter, the assimilation carried him over to acquisition work. All concentration at this time is centered about the J.F.

Albert Engstrom is still in Stringtown, Oklahoma.

Bernie D. Peterson encloses the means, and we sent the Peavey—to River Falls, Wisconsin, where Bernie has just been transferred from Independence for work in the S. C. S.

Raymond Jensen is back at school. After working at the Cloquet Station and on timber salvage in the East, Raymie decided he'd get some more book learnin'.

SPECIAL — 1937

Minnesota students, graduates, and faculty were all deeply grieved by the death of **Joseph Z. Kissin**, class of '37. Joe passed away February 26, 1940, in Minneapolis. Joe was associated with the Hawaiian Sugar Planters Association Experiment Station in Honolulu, where he had a two-year fellow-

ship in sugar science. He returned to the mainland January 12th for treatment at the Mayo clinic for a rare blood disease.

Norm Borlaug spent the summer on timber salvage work in the East, but is back at his work in forest pathology.

"**Bernie**" Shema is still working on his problem in pathology.

Clem Kaufman is now assistant to Parker Anderson. Clem spends much of his time traveling around the state, but plans to take off enough time this spring to get his problem started at Cloquet. Clem is well along the way toward a Ph.D.

CLASS OF 1938

Robert C. March writes for his copy and at the same time quaintly sums up a summer's work as follows: We jumped from place to place cruising timber for private outfits—including a trip to Delight, Arkansas, which is termed the hottest spot this side of hell. From Bob's report, we gather that he approves selective logging.

Alvin C. Stearns, after receiving "pep talk" number two, sends his acknowledgement for the 1940 Peavey. Al is now associated with the Waialua Agricultural Company in the capacity of Agriculturist. He says that in Waialua they have 500 acres of Eucalyptus forest which was planted about 1912. Other than for the management of this area there seems to be little forestry practiced in the district. Most of the Forestry in Hawaii, according to Al's report, is concerned with the development and maintenance of watersheds, as water is the "life blood" of the irrigated sugar plantations. Al extends his sincere "Aloha" to all Minnesota Foresters.

Joe Connor is still affiliated with the Cloquet Wood Conversion Company. He continues to roll logs in World Champion style, but has also extended his activities to contest log sawing in various shows. Joe has been putting the Nova Scotia sawyers to shame all around the country. He put on a swell show at the Northwest Sportsmen's show here recently.

Dick Gruenhagen after working for the U.S.F.S. in Wisconsin, went to the University at Madison for graduate work. He got his M.S. last June, and is now working on a Ph.D. Dick likes our football team, especially after the Minnesota-Wisconsin game last fall.

Robert C. Nord takes time out from his newly established business of manufacturing fine split-bamboo rods to send a "note" of cheer to the staff.

Al Bateson has been working for Schantz-Hansen at the Cloquet Station since last September. He gets down to Minneapolis occasionally. Social purposes, Al?

Ray Wood is struggling with the problems of seedling nutrition and root growth in the greenhouse.

Edwin Saarnio is still employed in Duluth. However, his work fails to keep him busy so he's "been taking University Extension Courses to fill in the free moments." Edwin, we're glad to note, is a confirmed disciple of the Alumni Ed.'s gospel. To quote Ed: "The Peavey is about the only way I have to keep up with the activities at school and with the fellows in the field."

Jack E. Schneeweis wants us to cash a check for the Peavey right away. He thinks it might "bounce" later on. O. K., Jack. It is said, "a word to the wise is sufficient."

Niilo J. Haapala spent last summer cruising timber for the U.S.F.S. in northern California, and expects to be there again this summer—summer of 1940.

Calvin L. DeLaittre informs us he has worked for the DeLaittre-Dixon Company of Minneapolis since graduation.

Bob Zabel and **Al Nelson** are working for the Lake States here in Green Hall. They are taking some graduate work also.

Class of 1939

Howard A. Post compliments the Peavey staff on their spirit—both in words and substance. **Howie**—along with two other Minnesota Foresters, **Louis Hoelscher** and **Dick Ahern**—was employed on the North French Timber Survey Project of the Medicine Bow National Forest. Great sport, lovely climbing, and every experience—all of this was available. But now **Howie**, after a brief career as a jeweler, has been assigned to a position in the Civil Service Department. From his reports, it won't be long before the fellows are given a fair break by both their own state and by U. S. Governmental offices.

J. L. Krizisnik is with the J. C. Campbell Company somewhere north of Duluth. Says Kris, "I like it swell here. I'm learning a lot, in fact, so much that I don't try to teach anybody else anything, yet. **Vince Olson**, **Russell Johnson**, **Phil Huntley**, **Lyman Miles** and **Roy Keskitalo** are wiling the hours away

in the graduate room. The graduate room debate on the J.F. was a classic.

Ed Stanek sends us his leaf of "government lettuce" together with an interesting word relative to his doings since graduating last year. He says, "I'm putting in my time at the Brunswick-Balke-Collander Co. in Muskegan, Mich. Up to now I have been sealing lumber but hope in the near future to get a crack at running the kilns." Along with his subscription, he encloses the "eight ball"—at the same time cautioning us not to "let ourselves be found behind it when the Peavey comes out."

Victor E. Johnson sends us the type of letter that has been in the murky past and undoubtedly will always be in the future, the Alumni Editor's "dream letter." "At the moment, I'm located away out here in Westwood, Calif., as an employee of the Red River Lumber Co. I've been working here since last June 26th in the Shipping Dept., learning the lumber business from the bottom up. There's no question in my own mind, whatsoever, that this is the "bottom", but there is so much to learn that I have my hands full all the time. To me it's very interesting work because of the trend here towards modern practices. For example, 1939 saw this company's first systematic attempt at a sustained yield program. All logging jobs are now operated and will continue, if at all possible, to be operated under this plan of management. Robert Lang and wife are so far as I know, the only other 'friends' of ours here. Bob is employed as a scaler, living at Chester, California. I'm still single, still have big ideas about the future, and I still have firm intentions of more 'schooling' soon as the opportunity presents itself. So, until I see you all in the Peavey, lots of luck, fellows."

Goodman K. Larson, since graduating in June, 193, has been occupied with the tasks connected with a year's active duty with the 61st Coast Artillery at Fort Sheridan, Ill. He says, "I will be with the Regiment during the month of May on the Third Army maneuvers in Texas and Louisiana." Goody sends his greetings to all the fellows.

George E. Gustafson has taken a whirl at teaching science to high school kids and doing a little work on the coal docks at Superior.

Edwin Miettunen may be found at Soudan, Minnesota.

Charles Hutchinson really delivers the goods in the form of alumni news. We read that Bob DeLeuw '38 is working for an egg distributor in Minneapolis. Joe Blaisdell '39 spent twelve weeks in a hospital as a result of a tussle with a circular saw last fall. He's up and around now. Del Thorsen '37 visited Minneapolis long enough to get married and then he and Mrs. Thorsen went back to Arkansas. Harry Davis '39 is working for some power company in California, putting in a power line. As to when we fight the engineers again, Hutch, it can be said it won't be long, unless the engineers are as retiring as they have been for the last three years.

Oswald J. Esterl hasn't a thing to "chew the rag" about this year, but perhaps will have the following year. He sends his regards to all the fellows.

Morris V. Olson encloses a check for \$2.00 in his letter to the Alumni Ed. One dollar for the Peavey and the other for a celebration. Morris just gave the mumps the "go-bye" and obtained a new job. Last summer Morris served as Student Aid Forester on the Cadillac District, Manistee National Forst. Technical foreman at Camp Axin in the same district was his next capacity. Recently he was appointed Project Engineer of forestry WPA work in Wexford County in the Cadillac District. Thanks for the "velvet," Morris.

Thomas H. Ohl is now Lieut. Ohl, executive officer of Battery "B", 11th Coast Artillery, at Fort Wright, Fishers Island, New York, N. Y. He states, "Nice work, lots of pay, but not quite as much fun as forestry."

John N. Taylor sends in his report for "Taylor and Knopp." He is happy to report that they are both employed by the Weyerhaeuser Timber Company. Cy is stationed in the Pulp Division while John is in the Shipping Department of the Lumber Division. From all angles—their work seems interesting, educational, and profitable.

Ralph M. Rich sends for his copy of the Peavey with the request that it go to the following address, which aptly expresses Ralph's career at present: Wing 3, Cadet Barracks, Naval Air Station, Pensacola, Florida.

There are four other Minnesota Foresters now at this Aviation Training School. Names—Ed Henry, Vincent Anderson, Earl Dahl and Don Ledin.

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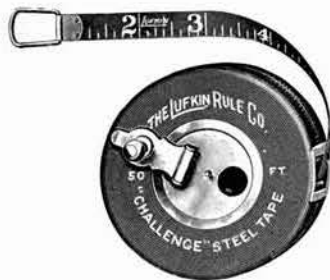
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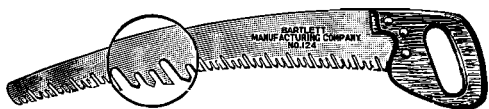
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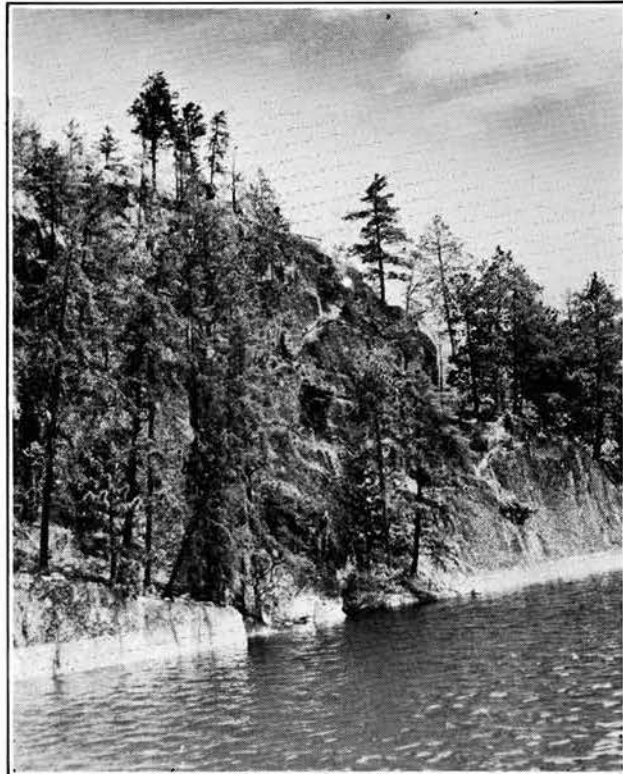
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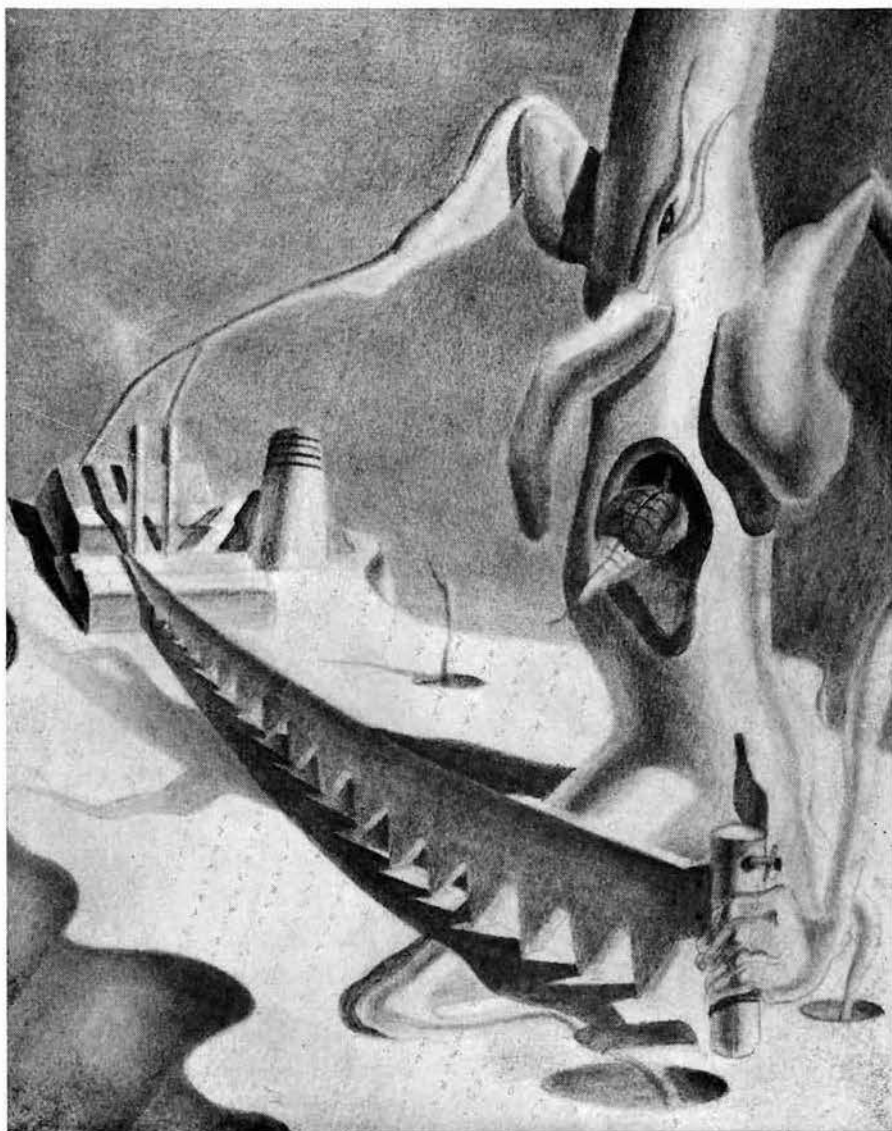
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