FOREWORD

Here is your 1951 Michigan Tech Forester. We hope this second edition meets with your approval. Since its inauguration last year, the Annual has become established as the official publication of the Forestry Club, to represent the aims and purposes of Forestry at Michigan Tech. This publication has been made possible only thru the united efforts of the Annual Staff, the entire Forestry Club, and the faculty of the Forestry Department.

THE STAFF

Editorial Staff
Editor-in-chief ......................... Karl E. Ackermann
Feature Editor .......................... William Smith
Sports Editor ........................... Ed Swenson
Photography ......................... Melvin Farmer, Arthur Arndt
Art ................................. Larry Watson

Business Staff
Business Manager ...................... Dennis Teegaurden
Advertising Manager ............... Frank Richards
Circulation Manager ................. Harold Brushe

Faculty Advisor ...................... Gene Hesterberg
THE FORESTRY SCHOOL

DEPARTMENT OF FORESTRY
PRACTICAL WOODS SCHOOL
FOREST PRODUCTS LABORATORY
J. A. HUBBELL BUILDING

Headquarters—Forestry Department
Progress of Your Forestry Department

The second annual Forester is out and progress marches on. Your Forestry Department, from the days when you were on the campus to the present, has grown to be the third largest department in terms of present day enrollment. Our branch at Sault Ste. Marie this past year gave us the largest number of two-year men since its beginning. This, in itself, is a very pleasing situation and speaks well for the fine job the people there are doing. The foresters coming from the Sault numbered twelve. Next year the number will be even greater according to present indications. Last year’s graduating class was our largest with thirty-six men going out with degrees in Forest Production. It will be gratifying to you to know that every man was placed in his chosen field. Five men of the group went on for their Master’s work which should be completed this June. Again private industry accounted for the bulk of the positions the boys found waiting for them following their four years of forest education; the Lake States in particular providing the job area for the boys in the graduate category.
Much new equipment is coming into the Department, too numerous to mention but will be conspicuous when you come back to the campus for your annual visit. The most needed pieces of equipment are a McCullough power saw and our new transportation vehicle, a 1½-ton Dodge stake-body truck, capable of moving 24 men without too much difficulty. No longer will you be able to hear that old refrain, “Who has a car for this or that field trip next week?”

What can be called an improvement is our working agreement with the U. S. Forest Service, giving us an area close to Camp Pori for cruising and timber marking practice. The area also is of sufficient size to last over a period of years. Yes! we will have the services of Forest Service personnel, especially in the timber marking as a help in making the program as fully instructive as could be expected. The area covers some 1600 acres of semi-virgin timber. The first cut calls for the removal of approximately 1500 board feet per acre. It is an important area for study, as this phase of timber, (re-logging phase), is coming in for more and more attention with the passing of the all virgin timber stands from our Lake States area. “Jeff” will be back with us the latter part of June to carry out this important school of instruction on care and maintenance of forest tools, especially the power saw. Last year his week of instruction was a high light of the summer camp program.

The Woods Industries School has moved to the campus with Harry Wagoner, Class of ’46 guiding its destiny in the absence of “Hammer” Steinhilb. Hammer is getting his Master’s degree at State and will complete his work in June. Upon his return he will be promoted to the regular staff. Hammer is one man who deserves a good promotion upon his return for a job well done at both the Woods Industries School and our regular summer camp.

Your summer camp headquarters need attention. We, the department, are sold on the area but the buildings need attention. We are now discussing the possibility of metal quonset huts 20’ x 40’ as a substitute for the wooden buildings. They will be a welcome addition, I assure you.

Our Upper Peninsula continues to be a most ideal out-of-door laboratory, with abundant raw material and typical forest industries at hand for all phases of study. We continue to use both as fully as possible.

We reminded all alumni of the Forestry Reunion in 1951 but because of the war situation we have been forced to call this off. Let’s take a rain-check on that!
FACULTY

Vernon W. Johnson
B.S., M.F.
Forestry

Gene A. Hesterberg
B.S., M.S.
Forestry

Eric A. Bourdo
B.S., M.A.
Forestry
Russell W. Johnson  
B.S., M.F.  
Forestry, Sault Branch

Charles D. Richards  
B.S., M.S.  
Forestry  
(On leave of absence for graduate study)

Helmuth Steinhilb  
B.S.  
Forestry  
Practical Woods School  
(On leave of absence for graduate study)

Herford Garland  
B.S., M.S., Ph.D.  
Director, Forest Products Research
Walter H. Koepp
B.S.
Forest Products Research

Arlie W. Toole
B.S.
Forest Products Research

Leland W. Hooker
B.S., M.S.
Forest Products Research

Carl W. Danielson, Jr.
B.S.
Forest Products Research
FACULTY NOT PICTURED . . .

Viggo J. Thomsen, B.A.
Biology, Sault Branch

George W. Parmelee, B.A., M.S.
Forestry

Harry N. Wagoner, B.S.
Practical Woods School
THE DEPARTMENT OF FORESTRY
Michigan College of Mining and Technology
Houghton, Michigan

Location of the School
The Michigan College of Mining and Technology is located at Houghton in the heart of the timber-producing and wood-utilizing district of the Upper Peninsula of Michigan, and of the Lake States in general. Because of this ideal location for teaching forestry, it has been possible to combine the advantages of class instruction with practical field work during the whole of the school year.

Forestry students at the College have the opportunity of getting their training in an area which has the most extensive stands of virgin northern hardwoods left in the Lake States. There are many thousands of acres of pine, balsam, spruce, and cedar which have never been logged. But there is, in addition, another side to the opportunities for the student. Not only can he appreciate and familiarize himself with relatively unexplored wilderness, but he also is able to see practical forestry at work. Three large private timber-owning companies in the vicinity have committed part of all of their lands to selective logging. Similarly, the nearby Ottawa National Forest is a vast study area of forest management of abandoned cut-over lands and in second-growth timber. Frequent field trips are taken to selected locations to study this practical forestry at first hand.

Training Given Students
The summer following the freshman year is devoted to a complete course in field surveying. During the summer following the sophomore year, a summer camp is held at the College's "Camp Pori" in the Ottawa National Forest. Here nine weeks of intensive instructions are given in those phases of forestry which cannot be treated adequately in field work during the regular school year. Heavy accent is placed on timber cruising, forest type mapping, timber marking, log scaling, and allied work. Experience gained in summer camp is an invaluable asset to the student when he takes a job.

It is recommended that the third summer be spent by the student in obtaining actual on-the-job experience with some federal or state agency or some private concern. A number of summer jobs with the U.S. Forest Service or the National Park Service are available through the Forestry Department.

Although heavy accent is placed on giving the Tech forester all the advantages of practical "know-how", the curriculum is adjusted to provide, in addition, a broad, well-rounded background in the field of forestry. The student is required to take courses in soils, silviculture, forest pathology, wildlife management, logging, range management, forest law, and many others, to enable him to comprehend the complex and finely interwoven
problems which face the forester. He is taught to appreciate and to understand the problems of the game managers, the soil conservation men, and other forest users so that he can truly make the forest provide the greatest good for the most people.

**The Job Outlook**

The outlook for jobs in forestry is good. Whereas a decade ago the majority of forestry openings were with agencies of the state or national governments, today most of our graduates find employment in private industry. The forester is coming to be recognized as an indispensable part of every successful forest enterprise. Resources of virgin timber are rapidly being exhausted, and second-growth timber has become increasingly more important as a source of supply. The technically trained forester is the key to maintaining that timber supply.

**Recreational Opportunities at the College**

Hard work is not the only thing to which a Tech forester can look forward. Located as he is, in the deep north woods, the out-of-doors man has an unparalleled opportunity to avail himself of good hunting and good fishing. "Big Game" is abundant. Deer are very numerous. Black bear are fairly common, and an occasional moose is reported in the upper portion of the Keweenaw Peninsula. The last stronghold of the timber wolf in Eastern United States is in the virgin timber of the Misery Bay district, less than 30 miles from Houghton. Small game—snowshoe hare, ruffed grouse, sharptail grouse, etc.—is plentiful. Some of the best trout streams in Michigan are within easy driving distance of the college. Excellent wall-eye, bass, and pike fishing can be had on Portage Lake.

The headquarters of Isle Royale National Park is located in Houghton. The park itself is a virgin wilderness where moose is the commonest big game and the fishing must be experienced to be believed. It is most easily reached by boat from Houghton. Every summer a number of Tech forestry students are employed on the island.

Forestry students at the College have organized themselves into a very active Forestry Club. Each fall the club sponsors a "Buck Shoot" contest and a "Bear Shoot". Each spring it puts on a "Trout Derby". The club has been very active in campus affairs and in prize competition during the school’s winter carnival. The Forestry Club’s "Lumberjack Ball" is one of the most unusual and most successful social functions of the school year. In addition to monthly meetings, the club holds annually for its members a "venison feed", a "rabbit booyaw", and a "smelt feed", each in its appropriate season.

**General Information.**

Men interested in enrolling in Forestry at the Michigan College of Mining and Technology should contact Professor U. J. Noblet, head, Forestry Department, or Mr. L. F. Duggan, registrar. Complete details will be furnished on request.
Now in its fourth year of operation, the Forest Products Research Division staff is adjusting the emphasis of its program to the current emergency requirements of industry.

A high demand for all kinds of paper products has caused a new interest in expanding hardwood pulping. A study completed two years ago on the use of hardwood logging residue for container board manufacture in the Upper Peninsula is now being seriously considered by industry. Chemical Engineer, Walter H. Koepp, is studying the possibility of using the excess supply of Michigan aspen for bleached paper pulp. Establishing the value of aspen pulp for the rayon industry is the objective of experimental work being conducted in cooperation with the Forest Products Laboratory at Madison and a large rayon manufacturer. A rapidly expanding hardwood industry has been studied intensively, with the resulting indication that this product could be economically manufactured from Michigan raw materials that are now in excess supply.

With the development of labor shortages in the woods, mechanization and safety research in logging have become particularly important. Timber Technologist Leland W. Hooker, has had published recently a "Woods Safety Handbook," and he continues to experiment with new logging equipment. Mechanical Engineer Donald J. Yeadon, is rushing development on a bark peeler of radically new design with the prospect of getting it into production this year.

Looking towards the time when low-grade lumber will again be a marketing problem, a search is being continued for manufacturing methods and products for this type of material. The commercial development of two new products using low-grade hemlock lumber has been given technical support by the staff. Technologists Arlie W. Toole and Carl W. Danielson, Jr., are involved primarily with lumber utilization study.

A recent study of wood-using industries in the Upper Peninsula has shown that their number has approximately doubled in the past few years and that the expansion has been mainly in the small woodworking shops. The staff has spent considerable time in consulting on the individual technical and economic problems of these industries. In this work it has had the active cooperation of the Michigan Department of Economic Development.
Arthur M. Arndt
Neenah, Wisconsin

Raymond R. Norkoli
Iron River, Michigan

Herman Walitalo
Hancock, Michigan

Robert T. Bourdow
Saginaw, Michigan

Robert R. Raisanen
Mohawk, Michigan

Larry G. Watson
Battle Creek, Michigan

Harold C. Brushe
West Allis, Wisconsin

Wayne Van Loosnaard
Grand Rapids, Michigan

Chester O. Wall
Wallace, Michigan

Joseph C. Calabro
Ironwood, Michigan

Sans photo
John C. Averitt
Western Springs, Illinois

Herman Walitalo
Hancock, Michigan

Larry G. Watson
Battle Creek, Michigan
Seniors Attended . . .

American Forestry Association Convention

Members of the American Forestry Association and the Canadian Forestry Association got together at Eagle River, Wisconsin on October 9, 10, 11, in celebration of the former’s 75th Anniversary and the latter’s 50th Anniversary. Michigan Tech Forestry Seniors were invited to the outing, which, incidentally, was so well organized that no one experienced a dull moment during the entire three-day trip.

The outdoor convention began with a morning program in which three speakers summed up the overall progress made in Forestry during the past 75 years. R. E. McArdle, assistant chief of the U. S. Forest Service, gave the federal viewpoint; D. C. Everest of the Marathon Corporation gave us the industrial slant, and J. F. Kaylor, Maryland State Forester, spoke for the Association of State Foresters. Other interesting speakers at the convention were Dr. James P. Adams of the University of Michigan, Robson Black of the Canadian Forestry Association, and Samuel T. Dana of the University of Michigan. Dean Dana, Robson Black, and Dr. Adams all gave formal speeches at the banquet, held the evening of October 10th in the Eagle River grade school.

Monday noon, lunch was served at the Trees for Tomorrow Camp and at 1:30 P.M. Association members and guests embarked on a conservation caravan by bus. Seventeen busses, each with its own narrator, transported us to the various examples of natural resources at work, which included a cross section view of soil, water, forests and wildlife management in a pattern of sound land use.

Almon Pepper and Ed Faber, both Michigan Tech alumni and District Foresters of the Wisconsin Department of Conservation, were present at the convention in the role of tour guides. It was certainly good to see them again.

A highlight of the convention was the gigantic Paul Bunyan Barbecue, held the first evening at the Eagle River Stadium. The 750 pounds of beef and 250 pounds of venison was put on the
spit a day ahead of time and was simply terrific at barbecue time. Meals, such as convention members experienced that evening, are too few and far between in a Forester's lifetime. The tasty soup which simmered over open fires in huge iron kettles was better than Grandma used to make. Visitors were greeted at the door by a lovely young thing who stepped up and tied souvenir Paul Bunyan bibs around their necks. There is something about a convention!

Our conservation caravan visited school forests, resort areas, the Otter Rapids hydro-electric power plant, forest plantations, and wildlife areas, all with interest, but at noon time of the second day, the U. S. Forest Service put on a fire fighting display that overwhelmed us. At least we were taken by complete surprise when a fire broke out along the shore of Trout Lake, adjacent to where we were enjoying our field lunch, and a Forest Service fire fighting plane came down out of the sky to extinguish the blaze. It was certainly a colorful demonstration of how an up-to-date fire fighting unit can take advantage of the many lakes in Northern Wisconsin to fight fires.

In the third and final day of the convention, we motored out to the Rainbow Flowage and Weather Station on the Wisconsin River and saw first hand just how industry stores and makes maximum use of water. In the afternoon the National Container Corporation demonstrated a new portable wood chipper and hydraulic loader. While returing to our caravan headquarters at the Trees for Tomorrow camp, the guides pointed out other places of interest but an atmosphere of gloom had enveloped convention members as they began to realize that all was coming to an end. But it was a wonderful three days of terrific holiday. Thank you again, Wisconsin and Trees for Tomorrow forever!

Field lunch at Woodruff, Wisconsin
FORESTRY CLUB

OFFICERS
ACTIVITIES
PROJECTS
SAULT BRANCH
BACK ROW—Holmes, Cook, Williams, Johnson, Thompson, Jones, Shaner, Archer, Jorgenson, Krakauer, Richards, Calabro, Ackermann, Herron.

MIDDLE ROW—Leach, MaCurly, Averitt, Buordo, Teegardern, Baer, Karsten, Fisher, Norkoli, Trombly, Bourdow.

FRONT ROW—Parsons, Krautter, Nebauer, Krumbach, Swenson, Smith T., Reid, Mattson, Bunney, Johnson J., Wisberg, Karling.

MIDDLE ROW—Frankenstein, Todd, Dibble, Lockwood, Tubbs. ———, Larson, Farmer, Clark, Sporke, ———.

SAULT BRANCH

STANDING, L. to R., Fossa, Clegg, Prosser, Carrol, Hamman, Parssinen, Smart, Holms, Carter, Eagle.

KNEELING, Madison, Dunn, VanBrocklin, Ireland.

CLUB OFFICERS

1951

Chief Forester
Don Krautter

Assistant Forester
Ed Swensen

Secretary-Treasurer
Arthur Arndt
Activities of the Forestry Club at the Sault Branch were a little slow in starting this year.

The present forestry club consists of seven sophomore foresters, eight freshmen foresters, an agriculture student, and a general college student who is interested in forestry work. On October 3 an election of officers was held. Also, an amendment to the constitution of the club was passed. This amendment stated that at least one of the officers of the club must be a freshman, and this one is to be the assistant forester. More freshmen may, of course, be elected. It was felt that by this method there would be a member in the forestry club, who, from previous experience would know the procedure followed and thus be able to make the club more efficient.

A major activity launched by the club this year was the showing of conservation films each Tuesday at the college auditorium. These were, at first, acquired for educational purposes of the foresters alone. An increasing interest in the films was taken by other members on the campus. At the present time the pictures are shown to a nearly capacity crowd, including students, instructors, school children, boy scout groups, etc. In January the chemistry Club joined with an additional picture shown after the forestry films. Other activities of the club included two successful dances and an entry in the float contest during Homecoming.

Plans are now under way for the annual smelt fry. Since the army has taken our former reclining spot we are forced to find a new location. Plans have also been drawn up for a planting project on the campus, with hopes of making it an annual activity of the club. It has been suggested that a number of red pine be planted. This has been approved, and will be further instated at a later date.

Members of the club are enthusiastic and the activities have increased to a point where the Forestry Club has become one of the more outstanding and active clubs on the campus.
Intramural Activities of the Forestry Club

by Ed Swenson, Intramural Manager

During the past intramural season the Foresters have participated in all of the major sports. During the winter term there was basketball, bowling, and handball. Both the basketball team and bowling team started out by keeping right on top, but as the season went on the winning streak came to an end. It just seemed that the basketball wouldn’t go through the hoop or that the bowling ball wouldn’t hit the 1-2 pins. Games can not be won with near misses. The boys did a great job and were out there playing the whole way. The basketball team came out fifth in their league and the bowling team finished in fifth place, also.

The Foresters added handball to the winter term sports this year. The games got a late start so only one round could be played, but the fellows did a swell job in those few games and ended up in the number two spot. We’ve good material, and here’s hoping that next season we can get in there to show them what the Foresters can do.

The hockey team had quite a few returning veterans and many new men were added to its roster. They combined their talents and went a long way in turning out victories for the team. The great work of the team enabled it to take fourth place in the hockey league.
**HANDBALL TRIO**

The box score for the various sports are as follows:

### BASKETBALL

<table>
<thead>
<tr>
<th></th>
<th>F.C.</th>
<th>Opp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Newman Club</td>
<td>30</td>
<td>17</td>
</tr>
<tr>
<td>Dorm II</td>
<td>44</td>
<td>12</td>
</tr>
<tr>
<td>AIME</td>
<td>27</td>
<td>16</td>
</tr>
<tr>
<td>Seniors</td>
<td>32</td>
<td>20</td>
</tr>
<tr>
<td>ASM</td>
<td>26</td>
<td>10</td>
</tr>
<tr>
<td>Civil</td>
<td>22</td>
<td>30</td>
</tr>
<tr>
<td>Sigma Rho</td>
<td>16</td>
<td>30</td>
</tr>
<tr>
<td>Sophomores</td>
<td>33</td>
<td>31</td>
</tr>
<tr>
<td>Theta Tau</td>
<td>19</td>
<td>36</td>
</tr>
<tr>
<td>Newman Club</td>
<td>28</td>
<td>22</td>
</tr>
<tr>
<td>Civil</td>
<td>20</td>
<td>31</td>
</tr>
<tr>
<td>Seniors</td>
<td>16</td>
<td>18</td>
</tr>
<tr>
<td>ASM</td>
<td>14</td>
<td>18</td>
</tr>
<tr>
<td>AIME</td>
<td>23</td>
<td>43</td>
</tr>
<tr>
<td>Sigma Rho</td>
<td>15</td>
<td>29</td>
</tr>
<tr>
<td>Theta Tau</td>
<td>31</td>
<td>56</td>
</tr>
</tbody>
</table>

### HOCKEY

<table>
<thead>
<tr>
<th></th>
<th>F.C.</th>
<th>Opp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kappa Delta</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Independents</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Theta Tau</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>ASME</td>
<td>8</td>
<td>0</td>
</tr>
<tr>
<td>Delta Sig</td>
<td>11</td>
<td>3</td>
</tr>
<tr>
<td>Civil</td>
<td>14</td>
<td>1</td>
</tr>
<tr>
<td>Dorm</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>Sigma Rho</td>
<td>6</td>
<td>4</td>
</tr>
</tbody>
</table>

### BOWLING

<table>
<thead>
<tr>
<th></th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil-Independent-Foresters</td>
<td>8</td>
</tr>
<tr>
<td>Civil-AIME-Foresters</td>
<td>8</td>
</tr>
<tr>
<td>Woodmar-ASM-Foresters</td>
<td>6</td>
</tr>
<tr>
<td>Kappa Delta-AIME-Foresters</td>
<td>0</td>
</tr>
<tr>
<td>Gamma Delta-ASM-Foresters</td>
<td>3</td>
</tr>
<tr>
<td>Sigma Rho-Dorm-Foresters</td>
<td>8</td>
</tr>
<tr>
<td>Gamma Delta-Independent-For.</td>
<td>4</td>
</tr>
<tr>
<td>Kappa Delta-Sigma Rho-For.</td>
<td>0</td>
</tr>
</tbody>
</table>

**Total 37 points**

### HANDBALL

<table>
<thead>
<tr>
<th></th>
<th>F.C.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kappa Delta</td>
<td>won</td>
</tr>
<tr>
<td>Dorm</td>
<td>won (F)</td>
</tr>
<tr>
<td>Sigma Rho</td>
<td>won</td>
</tr>
<tr>
<td>AIEE</td>
<td>lost</td>
</tr>
<tr>
<td>Theta Tau</td>
<td>lost</td>
</tr>
<tr>
<td>Delta Sig</td>
<td>won (F) — forfeit</td>
</tr>
</tbody>
</table>
LUMBERJACK BALL

by Ray Norkoli

The annual Lumberjack Ball, sponsored by the Forestry Club, was again held at Dee Stadium on the night of October 14, amidst a typical lumberjack background.

A large crowd of “jacks’ and their women, in gay colored shirts and plain overalls, led by a very good representation of Foresters, stepped out to enjoy the music of the Starliners. The crowd was one of the largest for this event in recent years.

An entertaining square dance, called by Paul Hinzmann of the Physics Department, was held during intermission with a green but enthusiastic group of participants learning the finer points of the game.

Credit should be given the dance committee for their efforts in making the “Ball” the great success that it was.


CONSERVATION PLEDGE

I give my pledge as an American to save and faithfully to defend from waste the natural resources of my country—its soils and minerals, its forests, waters, and wildlife.
The Forestry Club’s Annual Buck Shoot this year got off with a bang, as many eager nimrods took to the woods in search of the elusive buck. Local residents as well as Tech hunters participated in an attempt to bring a buck to ground and collect the prizes offered by the Forestry Club.

As in previous years, the rules for entry were simple and brief. Entries in the event were made in advance of the opening of the deer season by purchasing a Buck Shoot ticket from any of the Forester Club members. This year the ticket also entitled the hunter to a chance on a fine 30-30 Winchester rifle, which was raffled off at the close of the Buckshoot.

Top honors this fall went to Larry Watson, a senior Forester. He brought down a big 210 pound buck and was awarded the $10.00 first prize. The second prize of $5.00 was won by Eugene Shelden, a Sophomore Civil Engineer, for bringing in the smallest buck. A local resident of Hancock, Mr. C. J. Bingham, entered the first bear in the contest and won the $5.00 prize money in that division. Eugene Knaebel, a senior Civil Engineer and a well known Tech skier, was the lucky fellow who held the winning ticket to the 30-30 Winchester rifle. The awarding of these prizes the 1950 Buck Shoot was brought to a successful close.
VENISON FEED
by Toivo Mattson

The afternoon of January 20, 1951, Chief Forester Krautter broke trail to the Boy Scout Camp at Rice Lake. This was the opening of the annual venison feed which no true Forester misses.

Soon a fire was blazing and the supplies all unloaded. While the cooks were preparing the venison stew, roast, and burgers, refreshments were served and everyone gathered around the fireplace in an attempt to keep warm. With those who were the closest to the fire were the alumni Earl Plourde, Benny Goodman, Bill Aho, and Ray Norkoli.

When the food was ready everyone rushed to the kitchen and soon emerged with heaping plates. Most everyone stopped for more refreshments on their way from the kitchen.

After the hearty meal, Jim Spain and Paul Uitti gave out with the music on their guitars, accompanied by group singing. More refreshments alternated with more singing concluded a very merry evening.
In the Ottawa National Forest is a place that is dear to the heart of every Tech Forester. This "Forester's Heaven" is Camp Pori, affectionately referred to as "Pori".

The foresters leave civilization behind them to learn timber cruising, type mapping, log scaling, and how to get along without the luxuries of civilized people.

Even though the days are spent hard at work in the woods, enough energy is usually left over for a softball game after supper. These games are usually followed by a dip in Bob Lake.

The best part of camp is spent in the chow hall, where heaping quantities of good, plain food are devoured at every meal. The cook commented once that more food was eaten at Pori per person than was ever eaten in a lumber camp.

Wildlife is found all over the camp. Deer are seen every night and occasionally a bear. Every forester, who was at camp in the summer of 1950, knows about Mr. Hesterberg's harmless bear that chases men out of the woods.

The sincere regret of most foresters is that they can't spend more than one summer at Pori.

BACK ROW—Jarvi, Birtz, Walitalo, Arndt, Mr. Johnson, Ackermann, Stipe, Mr. Steinhilb, Jones, Thompson, Cross, Borsum

MIDDLE ROW—Driver, Parsons, Norkoli, Franz, Neubauer, Watson, Swenson, Smith, Herron, Hanninen, Wall

FRONT ROW—Goodrich, Krumbach, Carlson, Baer

—31—
A NOTE TO ALUMNI

This year, because of lack of space and information, addresses have been omitted from this section of the annual. Only those men of whom we have news are included. The staff of the annual is dependent upon your cooperation for news of your whereabouts and achievements. It is hoped that in the future our department and our alumni can keep in closer contact. Any news, pictures, etc., that you can send us will be appreciated by the Alumni Committee.
ALUMNI NEWS

AHO, CHARLES Class of 1949
Charlie is married but has no children as yet. He is employed as a Forester with the Public Service Company of Northern Illinois and is doing line clearance work.

AHO, EDWIN Class of 1949
Forester at the Atlas Plywood Company.

AHO, WILLIAM Class of 1950
Bill, who graduated last December, is looking for a job at the present time. He is still single, and says that the old Model A has gone by the boards.

ANDERSON, EINAR Class of 1948
Einar is married and at the last report was expecting a young forester. He is employed as a Forester with the Spliced Wood Corporation of Ashland and he is in charge of quality control and is supervising the Veneer operations.

ANDERSON, KENNETH Class of 1940
Forester, Wayne County Road Commission.

ATKIN, JOHN Class of 1941
John is an Assistant Forester with the Goodman Lumber Co., at Goodman, Wisconsin.

BAHRMAN, ROBIN Class of 1941
Wood Research and Administration Officer, Wright Field, Dayton, Ohio.

BALMER, WILLIAM Class of 1949
At the last report Bill was attending Michigan State College.

BARTOSZEK, ANTHONY Class of 1949
Tony is employed on a Mill Project with his brother.

BERGH, NEWMAN Class of 1941
Newman is married and has a daughter. He is Park Manager at Straits State Park in St. Ignace, Michigan. He plans to stay with recreational forestry as he believes it will soon be tops in this part of the country.

BLAKE, FRANK Class of 1943
Back at Tech for a business administration degree.

BOELTER, ALLEN H. Class of 1943
Allen is still single but he tells us he has plans. He is employed as a Farm Forester with the Michigan Conservation Department.

BORSUM, WILLIAM Class of 1940
Bill is Superintendent of Service Operations, at the Kimberley Clark Corporation.

BOURDO, ERIC A. Class of 1943
Eric is married and is raising another Forester. At present he is an Instructor in the Forestry Department of Michigan Tech.

BENTLEY, EVERETT J. Class of 1940
Everett is a Forester with the Upper Peninsula Power Co., Houghton, Michigan.

BRATETICH, RUDOLPH Class of 1942
Engineering Draftsman.

BOURDOW, MILES W. Class of 1949
Miles is married and has a daughter 3 years old. He is employed as an Assistant District Forester with the Wisconsin Conservation
Department. Pepper tells us that if he gets any fatter he'll have to cut his way through the woods.

COLLINS, PETER  Class of 1949
Pete is married and has three girls and a boy. He is employed by Montgomery Ward in Houghton.

CORBIN, DUANE  Class of 1949
Duane is a Forester with the National Park Service.

CUNDY, CLYDE Y.  Class of 1950
Clyde is working on his M.S. in Forest Management at Michigan State. He is married and the latest dope is that he is expecting a young Forester soon.

DANIELSON, CARL  Class of 1940
Carl is married and has a son. At present Carl is employed as a Forester with the Forest Products Research of Michigan Tech.

DeVRIEND, ADRIAN A.  Class of 1947
Adrian is married and has two girls and a boy. He is a District Forester with the Wisconsin Conservation Department. After June 1, Adrian will be hanging his hat at the court house in Sheboygan, Wisconsin.

ECKER, EDMUND J.  Class of
Ed is married but has no young Forester as yet. At present he is District Forester out of Baraga, Michigan.

ELLSWORTH, PATRICK W.  Class of 1950
Pat is married and has a son and a new daughter. He is employed with the Munising Paper Company at the Present time.

FABER, EDWARD  Class of 1948
Ed is married and is the proud father of a young son. He is a District Forester with the Wisconsin Conservation Department, and is working in Iron and Villas Counties.

FISHER, DONALD  Class of 1948
Attending college for an advanced degree.

FRIMODIG, DAVID M.  Class of 1950
Mac is married and has a daughter. He is working with the Michigan Conservation Department, Parks Division, in the Porcupine State Park.

FUSIK, GEORGE C.  Class of 1943
George is married and has a son. He is a printer with the Marathon Corporation. He is hoping to get into the Woodlands Division soon.

GOODMAN, JAMES B.  Class of 1950
Benney is still single and says he likes it that way. He is working with the Osmose Company, and recently he gave the boys in the Wood Preservation class the straight dope when he was home on vacation.

GRAVES, JOHN  Class of 1947
John is an Assistant District Forester with the William Bonifas Lumber Company, of Marenisco, Michigan.

HAKALA, JOHN B.  Class of 1950
John is married and has no children as yet. He got a scholarship for a M.S. in Wildlife Management at the University of Alaska and is finishing up here now.

HAMILAIENEN, EINO H.  Class of 1949
Hank is single but tells us he is engaged. He is a Forester with the Harbor Woodcraft Company, Harbor Springs, Michigan. Hank says that the old "chevy" is still on the road.
BIRDS EYE VENEER COMPANY

SINGLE PLY VENEERS
ALL NORTHERN HARDWOODS

BIRDS EYE — CURLY & PLAIN MAPLE
NORTHERN BROWN ASH
NORTHERN RED OAK — BIRCH
CORK WHITE PINE — BASSWOOD
ELM

ROTARY CUT—SAWN & SLICED

ESCANABA, MICH., U. S. A.
P. O. Box 317
HANSEN, ROBERT D.  Class of 1950
Bob is married but has no young Foresters as yet. He is working with the Algoma Plywood and Veneer Company, Algoma, Wisconsin.

HEIKKINEN, ALLEN  Class of 1942
Timber Producer.

HORNICK, JOHN R.  Class of 1950
Zeke is married but has no young Foresters as yet. He is District Forester with the Wisconsin Conservation Department.

JARVEY, CARROL  Class of 1949
Carrol is a Timber Cruiser and Marker with the Vulcan Corp., at Donken, Michigan.

JENNINGS, CLAIR  Class of 1948
Attending Theological Seminary at Suomi College, Hancock, Mich.

JOHNSON, GODFREY  Class of 1940
Optometrist.

KEENER, JOHN  Class of 1949
Jack is married and has a son. He is working with the Wisconsin Conservation Department as a Game Biologist, and is working on the Capercaillie project in the Apostle Island group.

KILLMAR, KENNETH  Class of 1940
Ken is married but has no young Foresters yet. He is employed as a Forester with the Michigan Conservation Department.

KNAPP, CLYDE  Class of 1949
Clyde is married but has no children as yet. He is an Assistant District Forester with the Wisconsin Conservation Department. Right now he is setting up timber sales and enforcing the rules and regulations.

KRIEG, MILTON  Class of 1949
Milton is a Forester with the Industrial Paper Company in Southern Michigan.

LABYAK, LEO  Class of 1944
Leo is an Instructor in the Forestry Department of Duke University, Durham, North Carolina.

LAYERDIERE, REUBEN  Class of 1947
Reube is single and tells us he has no plans to change. At present he is employed as an Accountant at Michigan Tech. He has a small business on the side, The Peninsula Products Co., which turns out concrete products.

LEICHMAN, WILLIAM  Class of 1947
Bill is a Forester with the Penokee Veneer Company, Mellen, Wisconsin.

LORING, THOMAS  Class of 1946
Tom is working for his M.S. in Silviculture, and he tells us that he is still footloose and fancy free. He plans to return to the U. P. to gather data for his thesis.

MAKELA, HOWARD  Class of 1948
Howard is still single but is planning to make the jump. He is working on his M.S. in Wildlife Management at the U. of Michigan.

MAKI, ARTHUR  Class of 1946
Art is an Assistant District Forest Warden with the Washington Department of Conservation and Development. Art has been doing some flying, spotting lightning fires.

MARTINDALE, DONALD L.  Class of 1950
Don is single, and at the present time is attending Michigan State College where he is working on his M.S. in Forest Management.
ROBBINS
FLOORING COMPANY

HEAVY DUTY and INDUSTRIAL
WOOD FLOORS

Manufacturers of
HARDWOOD FLOORING

"IRONBOUND"                    "PARQUET TILE"
Continuous Strip                Unit Wood Block

General Office: Reed City, Michigan
Mills: Ishpeming, Michigan
Reed City, Michigan

Members of M. F. M. A.
METSA, ARNE  
Class of 1947
Arne is still single and he is a District Forester with the Michigan Conservation Department. He is working in the Escanaba River State Forest.

NANCARROW, WILLIAM  
Class of 1947
Bill is married and is a Park Ranger at the Mt. McKinley National Park in Alaska. He has been in Alaska for two years and he plans to remain for several more years.

NOBLE, JOHN C.  
Class of 1950
Jocko is working on his M.S. in Forest Management at Michigan State.

NORKOLI, RAYMOND R.  
Class of 1951
Ray is married and has not one but two young Foresters. He is working with the Nekoosa Edwards Paper Company, Gay, Michigan.

PARTANEN, PAUL  
Class of 1948
Paul is a Forester and Instructor with the American Seating Company, Grand Rapids, Michigan.

PEPPER, ALMON  
Class of 1949
Pep is married and has one youngster. He is a District Forester with the Wisconsin Conservation Department. Pep says he would like to get back up here for the smelt netting, why?

PIERCE, RICHARD  
Class of 1949
Dick tells us that he is still single. He is employed as a Field Representative with the Precision Equipment Inc., Danbury, Conn.

PLOURDE, ALBERT E.  
Class of 1950
Earl is married and has two children. He is working as a Forester with the Gibbs City Lumber Company, Ripley, Michigan.

RECHA, PAUL T.  
Class of 1950
Paul is doing Municipal Forestry Work at Rhinelander, Wisconsin.

ROGERS, FRED  
Class of 1943
Fred informs us that he is married and has four children. He is a Forester with the Nekoosa Paper Company, Port Edwards, Wisconsin.

ROLLMAN, CHARLES  
Class of 1941
Chuck is married and has three children. He is working with the O. C. and C. W. Rollman, Consulting Engineers, as a Forest and Civil Engineer.

RUCINSKI, LOUIS  
Class of 1947
Louis is a Fisheries Technician with the Michigan Department of Conservation at Norway, Michigan.

SANDHUSEN, WALTER  
Class of 1949
Walter is married but has no children as yet. He was employed by the Wachtel Tree Science and Service Co., Theinsville, Wisconsin, but at the present time he is working on his M.S. in Forestry at Michigan State.

SEILER, GORDON E.  
Class of 1950
Gordy is back at de Tech for a Engineering Administration degree, which he will get in June of '51.

SMITH, JAMES  
Class of 1940
Jim is married and has three children. He is working at the Great Atlantic and Pacific Tea Company, in its Crop Research and Extension Division as a Crop Specialist.

STACK, JOE  
Class of 1942
Joe is Drafting Engineer with the Boeing Aircraft Corporation, Seattle, Washington.

STEINHILB, HELMUTH M.  
Class of 1940
Hammer is married but has no youngsters as yet. He previously
NATIONAL CONTAINER CORPORATION

From the Tree —
To the Finished Product

Ontonagon, Michigan

JOHNSON BROTHERS LOGGERS

WEBER'S Sporting Goods

For All Sportswearing Apparel
Men, Women & Children
WE SELL THE BEST FOR LESS

Hancock, Michigan

Houghton, Michigan
was an Instructor of the Practical Woods School at Tech, but at the present time he is working on his M.S. in Forestry Management at Michigan State.

STIMAC, MATT  
Class of 1942
Matt is a Soil Scientist and a Survey Party Chief with the Soil Conservation Service.

STIPE, RICHARD L.  
Class of 1950
Toby is married and is a Park Ranger with the Michigan Department of Conservation, and at the present time is at McLain State Park.

ST. ONGE, RAYMOND  
Class of 1949
Ray is working in the Civil Engineering Division, Wayne County.

ST. ONGE, WILLARD  
Class of 1949
Willard is working with the Vulcan Corporation, Donken, Michigan.

SWANSON, RALPH  
Class of 1942
Ralph is married and has two children. He is Area Supervisor, of the Consolidated Water Power and Paper Company, Ashland, Wisconsin. He is a neighbor to Jack Keener.

TAYLOR, TAD  
Class of 1947
Tad is a Soil Conservationalist with the U. S. Soil Conservation Service, Agriculture Department.

VIAL, ROBERT  
Class of 1947
Bob is a Forester with the Consolidated Paper and Power Company, Donken, Michigan.

VEESEER, WILLIAM  
Class of 1949
Bill is a Forester with the U. P. Power Company, Houghton, Michigan.

WAGONER, HARRY  
Class of 1947
Harry has been teaching practical woods school at Tech the past winter.

WHITE, ELMER  
Class of 1946
Elmer is a Game Biologist with the Michigan Department of Conservation's Game Division.

The World's Most Modern Line  
of Crawler Tractors

These four Allis-Chalmers crawlers establish a new measuring stick for rating tractors... in the timber tract as in dozens of other places in industry. They have more weight, more power in every class than has been considered standard until now. They also offer higher standards of strength, operator comfort and service simplicity.

Model HD-20  
Weight 41,800 lb.  
175 Net Flywheel hp.  
Hydraulic Torque hp.  
Converter Drive

Model HD-15  
Weight 27,500 lb.  
102.0 Drawbar hp.

Model HD-9  
Weight 18,500 lb.  
70.0 Drawbar hp.

Model HD-5  
Weight 11,250 lb.  
40.26 Drawbar hp.
CHEMICAL PRODUCTS

from

SALVAGE WOOD

Get Our Prices For

(CORDWOOD - BOLTS - SLABS)

Cliffs Dow Chemical Co.

Marquette, Michigan
THE SUPERIOR NATIONAL BANK
AND TRUST COMPANY
HANCOCK, MICHIGAN

MEMBER FEDERAL DEPOSIT INSURANCE CORPORATION
MEMBER FEDERAL RESERVE SYSTEM
U. S. DEPOSITORY

ABBOTT FOX LUMBER CO.

Iron Mountain, Michigan
CONNER LUMBER & LAND COMPANY

Manufacturers:
Hardwood, Pine and Hemlock Lumber & Cedar Products

Plants at:
Wakefield, Michigan & Laona, Wisconsin

Sales Office:
Marshfield, Wisconsin

Lumber Building Material Coal

HAMAR-QUANDT COMPANY

Best Wishes

GIBBS CITY LUMBER COMPANY

HOUGHTON LAURIUM ONTONAGON

Hancock, Michigan
For 22 years Hyster has made tractor tools for use with Caterpillar track-type tractors. Mounted on the big yellow machines, dependable Hyster tractor tools are at work on the roughest, toughest jobs all over the world.
VULCAN CORPORATION

Donken, Michigan

COHODAS-PAOLI COMPANY

Houghton, Michigan

PENOKEE VENEER COMPANY

Mellen, Wisconsin

PRODUCERS OF HIGH QUALITY NORTHERN VENEER.

BUYERS OF ALL GRADES OF NORTHERN HARDWOOD VENEER LOGS.
Low operating cost

High efficiency

Uniform chips with minimum sawdust.

Low power requirements.

Minimum maintenance

May be easily moved from one location to another.

A new application of MURCO chippers that have been used successfully for many years to produce pulpwood chips in the paper industry... this portable unit is the answer to utilization of wood resources. Smaller trees, limbs, branches, etc., instead of being wasted, can now be converted into usable chips, and brought to the user... furnished either skid mounted, or trailer mounted, so that it can be moved from one location to another as the tree cutting progresses. Capacity varies from 15 to 20 cords per hour, depending on size and kind of wood.

We will gladly send you complete information on this MURCO Portable Wood Chipper, upon request. Write for it today.

D. J. MURRAY MANUFACTURING CO
MANUFACTURERS SINCE 1883
HALE Centrifugal Type FZZ
"The Forester’s Fire Fighting Work-horse"

The Portable Hale FZZ Centrifugal Pumping Unit shown at right will pump from draft up to 60 G.P.M. at 90 lbs. Its companion Centrifugal Type HPZZ, will pump 15 GPM up to 200 lbs.

These compact, rugged, quick-starting Centrifugal units are "work-horses" for fighting forest, brush and field fires. One state forestry department has over fifty of them in service. Their 4 cycle air-cooled 8¼ H.P. engine is easy to start in any kind of weather.

A valuable feature of the Centrifugal HPZZ (for fighting fires in rugged areas) is the fact that it will supply an effective fire stream to fires as far as a mile from the pump thru 1½” hose using 5/16” nozzle.

Below An FZZ (or HPZZ) is invaluable in fighting this type of fire which burned over 3000 acres in Unity, New Hampshire. Photo courtesy of U. S. Forest Service.

Two men can easily carry FZZ or HPZZ. Units are available as shown, also in 2 truck-type wheels, or as a skid unit.

Both units can be mounted on any kind of truck for fighting fires while in motion, using booster tank for source of water.

Other Hale Fire Units
*CFUS 600 GPM at 120 lbs.
*WF 150 GPM at 100 lbs.
*HPD 60 GPM at 600 lbs.
**NP 15 GPM at 40 lbs.

*Skid or trailer mtd.
**Self-Priming Portable.

Write for literature on Hale Fire Pumping Units.
Let us know if you want a demonstration.

HALE FIRE PUMP COMPANY
Conshohocken, Pa.
Integrated Production . . .

from tree to
printed package

MARATHON CORPORATION
Rothschild, Wisconsin

Manufacturers of
Protective Packaging
for
America’s Finest Foods

FORESTERS—guardians of a vital
resource—are helping to perpetuate the wood using
industries upon which hundreds of communities
are dependent.

As one of these industries,
we bespeak for your work an ever increasing acceptance,
that plants like ours, and our communities,
may look to the future with
continued confidence.

HORNER FLOORING COMPANY
DOLLAR BAY, MICHIGAN

the oldest name in hardwood flooring