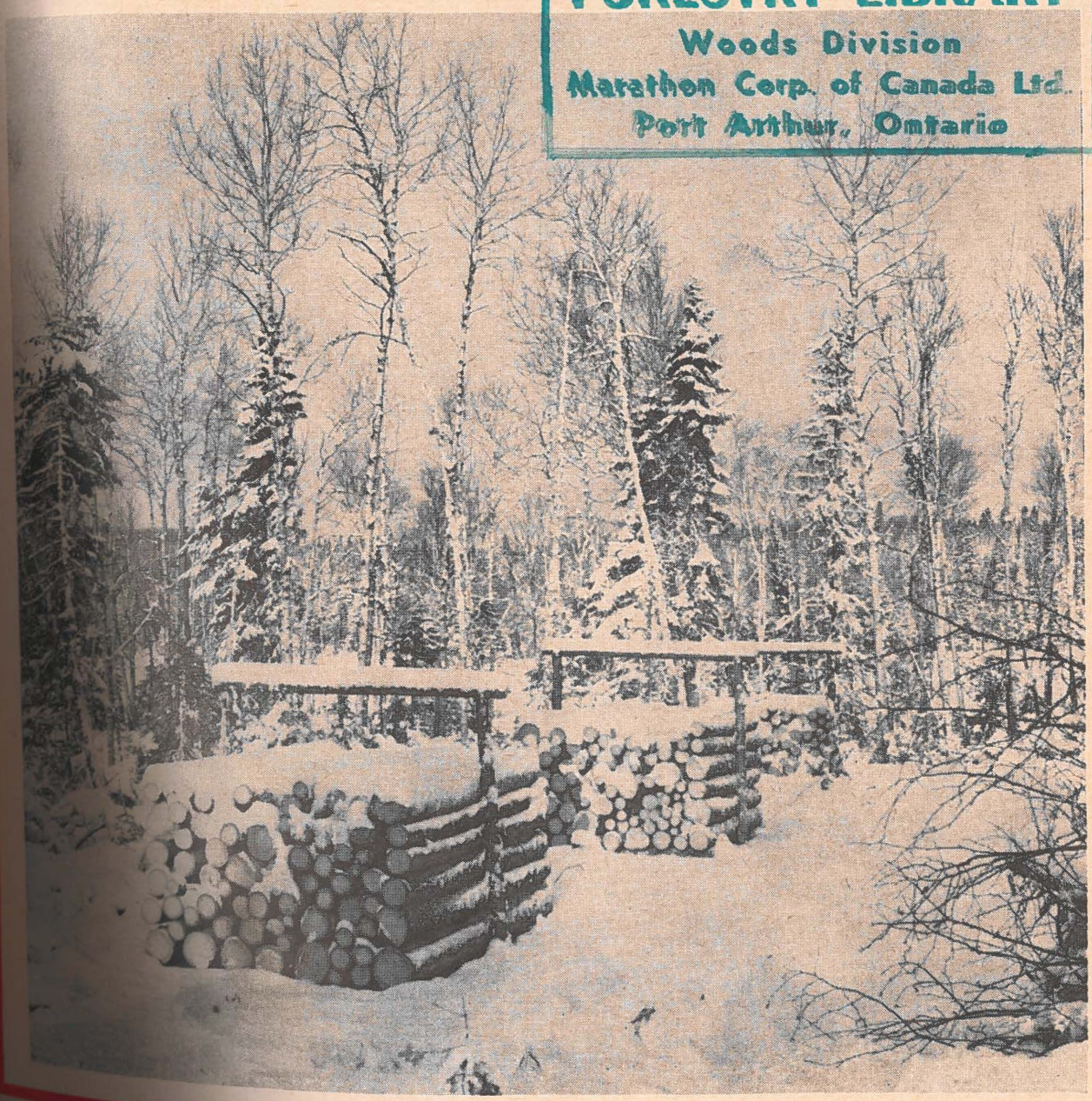
THUNDER BAY TIMBER OPERATORS ASSOCIATION

LOG BOOK

NOVEMBER
DECEMBER
1951

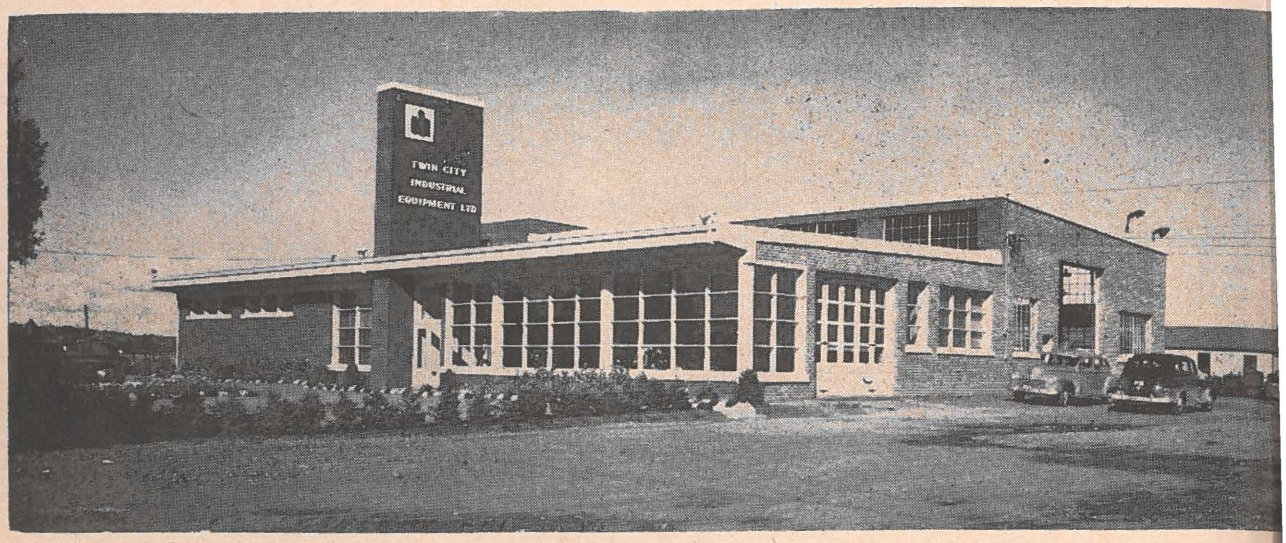
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sident's Message

Last of the "Walker"

It scarcely seems conceivable that fifteen years or o motor trucks and cars were an oddity in the s. Prior to 1935, the tote team was the most usual of transportation from railheads to the camps. woodsmen and the superintendents had only one s of transportation, a good pair of strong legs.

In those days the Superintendent was called the ker." He earned his name because **he actually did** from camp to camp and throughout the operations.

Many were the tales spun of how a "Walker" had ed up to 50 miles of walking per day. "Twas said "Slim" Holmstrom, the "Walker" for Newaygo, travel at a steady clip of five miles per hour for upon hour without tiring." Often he read several ers of the Bible as he strode along.

The title "Walker" still persists in many sections but the advent of trucks, jeeps and cars has made itle a misnomer. The superintendent of to-day more aptly be called a "rider." He travels about owmobile, airplane, car, jeep, tractor or truck. urse, he covers correspondingly greater distances. ver, all of this has led to a breed of "supers" with- e legs of the old time "Walker." With our tongue cheek we might say they are also a bit heavier the middle and little broader of beam.

Yes the "Walker" has truly become a thing of the dary past and we hope the wood's historians will rget his exploits when they write of "the good old

As this will be the last issue of the Log Book in I take this opportunity of wishing all readers a Christmas and a Bright and Prosperous New

H. H. (Bert) Styffe.

K CANADIAN QUIZ . . .
Quick Canadian Facts

nada produces what percentage of the world's wsprint?

1950 how many people immigrated to Canada d how many emigrated from Canada?

our greatest yearly forest consumption for fuel- od, lumber or pulp and paper?

gston, Ont., was Canada's first what?

w many species of trees grow in Canada?

hich of the Great Lakes has the largest area on Canadian side of the international boundary?

hich province has the smallest population per are mile?

(Answers on Page 7)

"BUNKHOUSE CLASSES" HELD IN CAMPS

More and more classes in "Learning the English Language" are being held each month for New Canadians and non-English speaking Canadians in bush camps throughout Ontario.

At present there are about 30 classes with 500 persons enrolled in camps in Northwestern Ontario and some 15,000 new Canadians in camps, minee, cities and towns in the province are taking advantage of the opportunity of learning English. The purpose of the classes is to give a working knowledge of the language to immigrants, without which they are handicapped in Canadian society and prevented from becoming a citizen.

The success of the "Bunkhouse Classes" has been largely due to the efforts of clerks, scalers and other persons who have gone out of their way to lend a helping hand. Their efforts along with the co-operation of the companies have been appreciated.

There are undoubtedly other camps in which a class could be arranged.

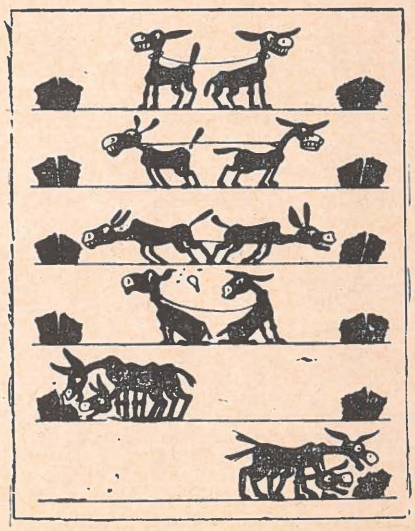
For further information write COMMUNITY PROGRAMMES BRANCH, Ontario Department of Education, 400 Catherine Street, Fort William, Ontario.

HAMMERMILL PROMOTIONS

Mr. M. Cochran, Manager of the Hammermill Paper Company announces the apointment of Mr. R. I. Young as Acting Assistant Manager. Mr. Young replaces the late Mr. John M. Boswell who suffered a tragic death in September.

Mr. George Neill will be Marine Superintendent, in charge of all the loading, unloading, and rafting operations in Port Arthur.

Mr. Allan Miller will become General Superintendent over the Sturgeon Lake operations.



WORKING TOGETHER GETS THE HAY!

An old-as-the-hills cartoon that needs to be run every so often because the moral remains as fresh and up-to-date as ever.

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G EQUIPMENT
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Arm-Chair Loggers

By W. D. Harkness

We have a lot of new and rather peculiar animals roaming around our woods these days. In outward appearance they resemble human beings to some extent. Like the moose, their range varies from time to time. Occasionally they are to be found in the spruce and cedar swamps. Not infrequently, they are seen on the birch ridges. More often they run on the Jackpine flats, but the majority of them seem to prefer an atmosphere of desks, drafting tables, maps and similar paraphernalia. These animals are commonly known as "Arm-Chair Loggers."

In this province, these animals are protected by law. There is no open season. Being usually lean and lanky, they have very little food value, and their pelts are considered worthless (except by the original owners), although a number of old time Loggers have occasionally contemplated skinning the few of them found in the vicinity of camps.

There are several distinct species of Arm-Chair Loggers. The most common species found in the bush are Foresters and Logging Engineers. The less numerous species, the Civil Engineers and Mechanical Engineers, are more inclined to haunt the wide open spaces and better footing of the drafting office.

The Crown lands of the Province of Ontario, including woodland areas, are, strictly speaking, the property of the residents of this province, and benefit derived from the ownership of Crown lands should benefit the people as a whole, either directly or indirectly. As being a resident infers that one is a taxpayer, and all of us appear to pay an appalling amount of tax with uncomfortable regularity, it is quite apparent that it is in everyone's interest to manage these Crown lands in the best and most business-like manner. Crown lands throughout the province include more than 130,000 square miles of productive forest land. This is, therefore, a big and serious business, and requires the full attention of a staff of specialists trained in the growing, protecting, and managing of forest resources. It also requires specialists in the fields of entomology, pathology, agronomy, hydrology, and a host of other intricate and interrelated fields. Last, but by no means least, the conservation of forest inhabitants — fish, birds, game, fur-bearing animals, and lumberjacks — must be carefully studied and taken into account in the final province wide forestry program. Who are these specialits? Many of them are Arm-Chair Loggers.

Within a Company organization a great deal of planning and preparation is necessary before the axes and bucksaws are handed around. Each operating Company is responsible to the government of this province for the management, development, and protection of Crown lands allotted to them for the production of forest products. These products may be logs, posts, poles, pulpwood, or any or all of a number of commodities necessary for the maintenance and improvement of the present standard of living of the people of the Province of Ontario. Unlike farm crops, tree crops require from 80 to 150 years to reach maturity, depending on tree species, site and climatic conditions. This means, of course, that present actions will not only affect this year's operations, but will also affect woodland harvests a generation from now. The application of an unsound forest policy today may mean a scarcity materials, paper products, heating materials, ical products in years to come. This, again tremely serious matter and requires all th knowledge, skills, and tools of the Arm-Ch if we are to keep our forests and available in good productive condition.

In the high and far-off days of not so logging was quite simple. A shack was throw was cut and hauled, then sent down stream on the spring freshet. That was that. So eve to town to "blow her in " and never got thinking again of logging until the fly seaso over.

Unfortunately, logging has taken a tu worse and is now becoming quite complica installations are becoming both expensive a ate. They contain all modern convenience plumbing, electricity, central heating, and su ful assets as dogs, cat, wives and childre camps — or, more correctly, forest commu this nature, cannot be established without reason. And no longer can one consider the 46 good strips are visible from the cooker bein a reason at all.

The choice of location must depend on of a detailed appraisal of timber and operati ions, together with the possibilities of a mod portation system, throughout a surrounding large as 250 square miles. The detailed ex of an area of this size is a lot of work and fun. It also takes a lot of time. This, too, we to the Arm Chair loggers.

The layout of an up-to-date operation more work and more time. The real loggers to think of two things only, — today's produ this season's production. However, producti quired next year, and the year after that agai the years to come. The planning and prepara essary to keep up future production must those who have the time to think about such t the facilities and technical knowledge nec establish management plans and working that, (a) are practical within the economic of the job, and (b) are not detrimental to the ivity of the forest land. These Arm Chair Log be busier than we think.

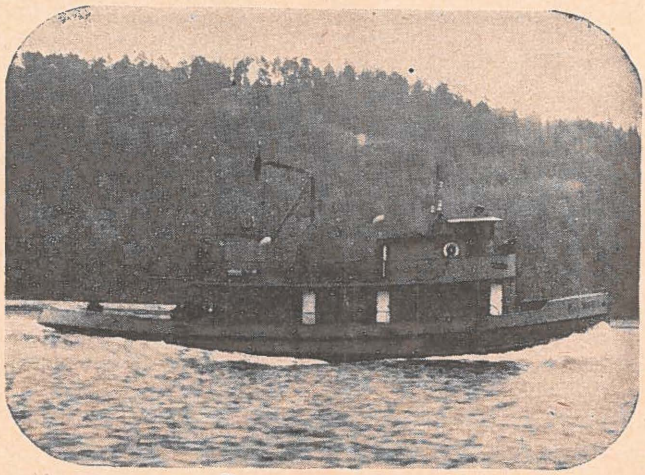
The next time you see an Arm Chair Log shoot him on sight. Approach him cautiously, ly. He may tell you of a road chance, or if y tremely cautious and catch him unawares, he you some good timber. Make him help you. it can cost you is a cup of the Company's a bed for the night.

If, on the other hand, he can't help you help you, or bites you in the leg when yo looking, why then, by all means, shoot him

One of a series of articles by members of the No Ontario Section, Canadian Institute of Forestry.

Steelcraft

are preferred



whenever a marine logging operation is planned. They are the standard logging vessel in Eastern Canada.
Preference for Steelcraft is always given . . . because they are designed and built by specialists.

On Lake Temiskaming, the 85-foot Steelcraft tug "P. J. Murer" replaced the steam tug "Lady Minto", in 1949.

She is operated by The Upper Ottawa Improvement Company and during the 1950 season towed 17,570,000 cord-miles. Each trip down the 70-mile lake hauled an average 8000 cords to the mill.

The "Murer" is powered by 800 h.p. Enterprise diesel which burns 24 gallons of fuel oil per hour, and is operated by a crew of nine.

Operating costs for one complete tow by the "Murer" are about $1,200 . . . showing a substantial saving against $2,000 for the "Minto".

THESE ARE SOME FACTS WHICH SHOW . . . WHY STEELCRAFT ARE PREFERRED.

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Forest Pathology in Ontario

By Dr. L. T. White

2. Forest Depletion from Trunk Rots

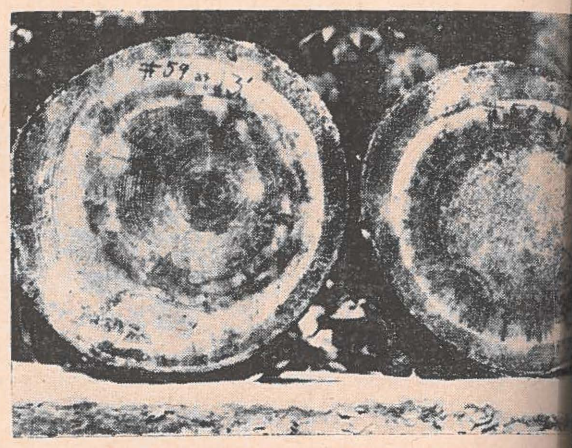
The greatest loss from disease in mature and overmature forests is brought about by the destruction of the heartwood of living trees by wood-destroying fungi. In most species this defect is largely a hidden defect and pathological studies have shown that decay losses for any one species may vary considerably according to age, site, locality, etc. There are also great variations in susceptibility between different species.

In the past, gross errors in estimating the amount of decay have been responsible for the rejection of large areas of valuable timber; and, in other cases, operators have become bankrupt because insufficient allowances were made for decay. It is apparent that the usual method of allowing for decay in cruising timber, the application of a percentage figure to cover these losses, will not be satisfactory unless the figure is representative of the area under consideration. Allowances based on other areas or regions will not usually be applicable to new unsampled areas.

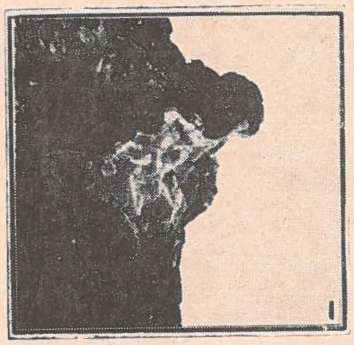
Yet the basic requirement in the utilization of mature and overmature timber is the fundamental knowledge of what losses will be encountered in stands of different ages on different sites; what net volumes may be realized under present standards of utilization; and what losses may be anticipated if stands are left for future cutting.

There is a relationship between the amount of decay and the age of the tree. The spread of decay-causing fungi is brought about mainly by wind-born which reach branch stubs or other wounds th into the heartwood of living trees. Young tree relatively few branch stubs, but as trees becc the number of branch stubs increases and t greater likelihood that they will be wounded b trees, fires, lightning, etc. Therefore as the a tree increases, so do the numbers of avenue

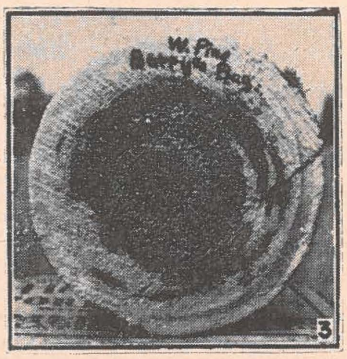
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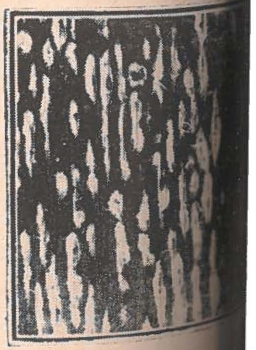


"Red Heart" trunk rot of balsam fir caused by **Stere uinclentum** Alb. and Schw. ex. Fries. The transvers on the right shows the decay with the characteristic tending out from the main body of the rot.







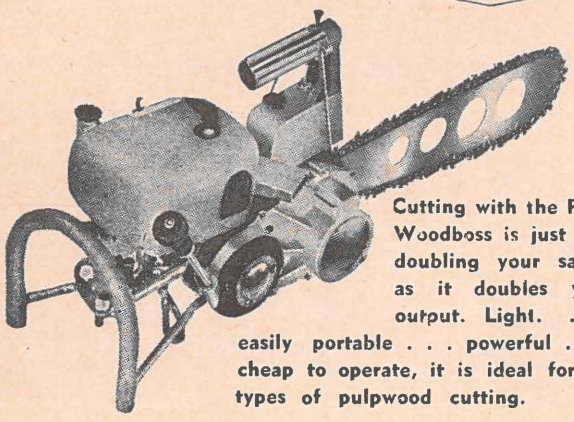


White pocket rot caused by **Fomes pini** (Thore) Llo ing body of this fungus is shown on the trunk of tree (1). In (2) a log has been cut across a whorl o show a false conk (punk knot) in the region former a branch. In (3) and (4) the characteristic appearance et rot is demonstrated.

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DLANDS SECTION, C.P.P.A. ESTION NOTES HELPFUL

For the past two years, the Woodlands Section, dian Pulp & Paper Association have been encouremployees of member companies to submit new to the Woodlands Section. A monthly prize of 0 is awarded and there is a grand prize of $100.00 e year's best suggestion — plus a special prize of 0 for the best suggestion from a Junior Member. ggestions considered for monthly awards are eligor the annual awards.

Some of the more recent suggestions submitted to published by the C.P.P.A. Woodlands Section are llows:

Plug Boom by D. W. Hudson.
Rack-Bunk Connection for Pulpwood Sleighs by T. E. Tremblay and J. L. Kelly.
Method of Saving Horse Which Goes Through Ice by J. Savard.
Sweep Raft by T. Summers (Ontario Paper Company Limited).
Cruiser's Haversack by R. Lafrance.
Portable Telephone Box by J. A. Goulet.
Truck Drawn Hose Sleigh by M. E. Kearney.
Torch Hanger by R. T. O'Keefe.
Home-made Picaroon by Duke McKinnon.
Firewood Sleigh by Robert Guerin.

These suggestions are all worthwhile and employees of companies should be encouraged to send suggestions in to the C.P.P.A., Woodlands Section.

BROMPTON PLANS DOUBLING MILL CAPACITY

A $15,000,000 expansion program to more than double present capacity at Red Rock Ont., is planned by Brompton Pulp & Paper Company Limited.

Production will be increased to 150,000 tons of kraft board yearly and 60,000 tons of newsprint from present capacity of 80,000 tons kraft board and 20,000 tons of surplus pulps. The 200 tons of newsprint to be produced daily will be an entirely new product for the Red Rock mill.

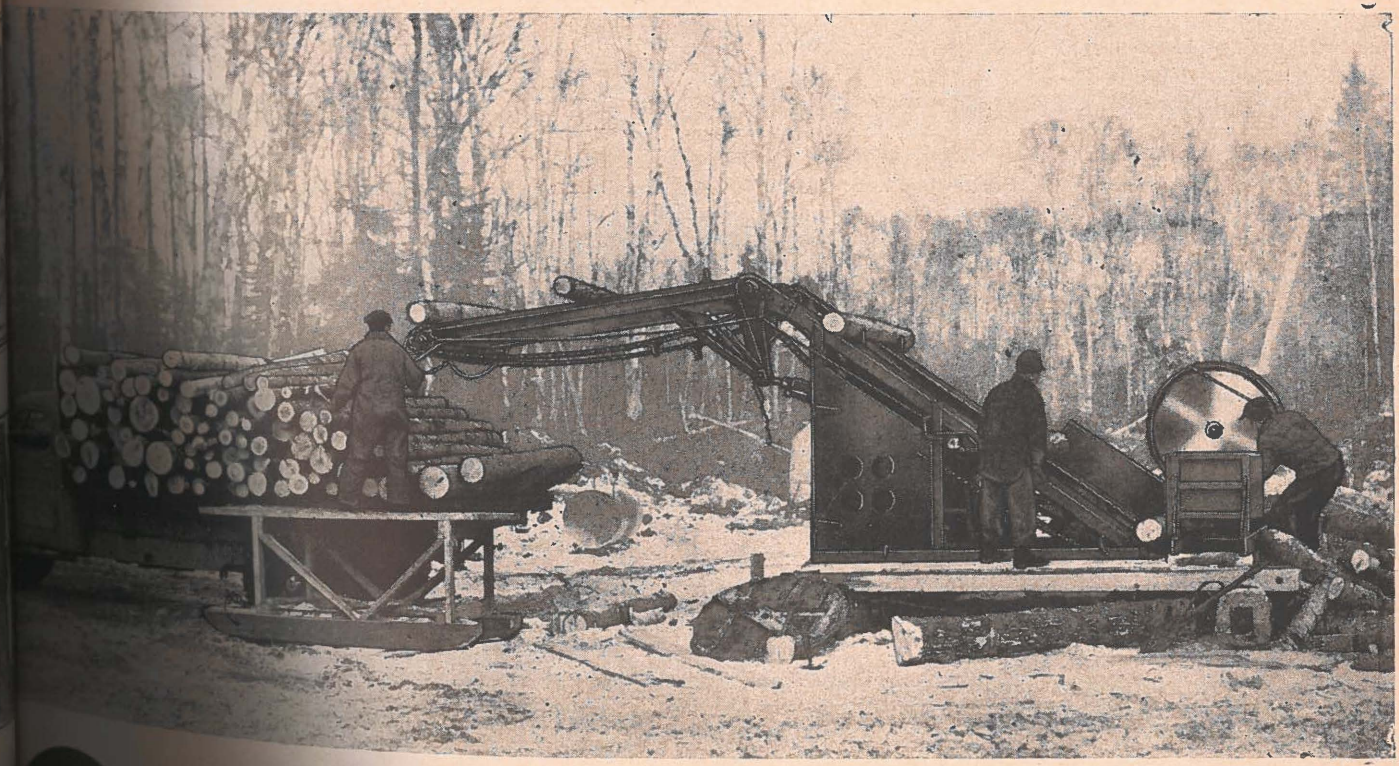
The semi-chemical pulp plant will be built and will use hard woods and, as a result, the capacity of the company's limits will be fully utilized on a sustained basis, it is reported.

QUICK CANADIAN QUIZ

Answers

1. 54%.
2. 73,000 immigrants. 25,000 emigrants.
3. Lumber, 29% of the average annual consumption, 22% for fuel, 22% for pulp and paper.
4. First capital city.
5. More than 170.
6. Lake Huron.
7. British Columbia.

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Manufacture of Groundwood

By M. S. Richardson

Mechanical pulp or groundwood was first manufactured on a commercial scale in Central Europe during the middle of the nineteenth century. In North America, Charles Fenerty of Halfiax produced small amounts of paper from groundwood pulp in 1844, but it was not until 1867 that any quantity of groundwood pulp was sold. The records show that two mills, one at Valleyfield, Quebec, and one at Curtisville, Mass., made the first sales almost simultaneously. At that time the pulp contained very little long papermaking fibres and was used only as a filler, and since it was cheaper ,rapidly replaced the more expensive chemical wood and rag pulps. Very little attention was paid to the quality of the filler as long as it was cheaper and the cost duing this period was $160.00 a ton as compared to $100.00 a ton in the present market. At first poplar wood was the chief raw material but as soon as the process developed and new woods tried, the spruce and balsam soon proved their superiority both from the aspect of quality of pulp and the ease with which they could be floated to the mill in contrast with poplar which will float only a short time.

The present methods of manufacture are basicly the same as in 1864 except for increased size and capacity. The improvement in quality in the past three decades is due to refinement in stones, in means and methods of preparing the stone surface, and to the improved control on operating variables. These changes have improved the pulp from a weak flour-like pulp to one containing long papermaking fibres.

The grinding process involves a gritty grindstone mounted on a heavy steel shaft and revolved by a source of power, usually an electric motor. The wood to be pulped is placed on the surface of the stone with its length parallel to the width of the stone, and pressed upon the surface of the grindstone by means of a pressure ram. In this way mechanical abrasion causes a separation of the small wood fibres that make up the wood structure. In the pit beneath the grinder, water is sprayed upon the face of the stone. The heat generated by the friction between the wood and the stone is absorbed from the stone surface, the fibres are washed from the stone and the pulp diluted. Because the grinding process results in a pulp containing large slivers and knots, the pulp from the pit is screened through successively finer screens which remove the imperfect material and produce a uniform papermaking fibre.

Mechanical pulp is used in the cheaper grades of paper and board which are used for a short period of time , then destroyed. Deterioration takes place in these papers on exposure to light and air because of chemical changes resulting in loss of strength, color and finish or smoothness of the sheet. It is usually mixed with small amounts of chemical pulps to make newsprint, wallpaper, book paper, cheap tissues, wrapping, gag and building papers. Boxboard and wallboard contain large amounts of groundwood and it is also used to absorb explosives in the manufacture of dynamite.

In a modern grinder room such as at the Great Lakes Paper Company, Limited, the practice is to mount two stones of 67" diameter and 54" wide on one shaft connected to a 5,500 h.p. motor. This motor operates at a shaft speed of 257 r.p.m. res stone face speed of 4,600 f.p.m. Two grin are mounted, one on each side of a stone, adjustable and move closer to the stone as wears. On each pocket are two pressure cyl pistons and pressure feet which force the l the face of the stones at a pressure of 70 of each pocket is a hopper or wood box w sufficient wood for one charge. This wood sliding bottom which is operated automati hydraulic cylinder. As the pressure foot press against the stone, it gradually approaches the until it reaches a definite distance at which p pressure foot automatically moves back from the sliding bottom is withdrawn and the c into the pocket. The pressure foot then p charge against the stone, the sliding bottom its original position and the hopper is re wood, in 4 ft. lengths, is floated from wood the grinders in a sluice that is set 10 ft. above The grinder operator stands on a walk adj sluice and removes the wood from the trough it with the aid of short chute, into the hop stone produces about 30 tons per 24 hours erature of 180 deg. and requires 65 h.p. per

Natural sandstones are gradually being by artificial stones throughout the industry. icial stone is usually a crystolon abrasive made carbide and can be obtained in various grain stone hardness depending on the type of p produced. As the stone wears it becomes sm it is necessary to sharpen it by means of a s tool or burr made of case hardened steel. The a definite pattern on it face such as a n diamond designs raised on the surface wh held against the revolving stone face imparts pattern to the stone.

There are seven lines of two grinders at Lakes mill, or a total of fourteen stones, whic 315 cunits of wood per day into 394 tons of suming 465,000 kilowatt hours. On each e shift there are eight men loading the poc grinderman who looks after the grinders, o ener, one screen man and one foreman.

One of a series of articles by members of the Mi Branch, Technical Section, C.P.P.A.

INSECT COLLECTIONS FOR 1951 EXCEED 1950

As a result of 542 collections received Ste. Marie during the month of September, for the 1951 season has exceeded 6700 wh excess of the total for 1950.

To all who submitted samples to the Lab Sault Ste. Marie, a vote of thanks should be g co-operation by officers of the Deparment of L Forests and by employees of woods operating c is needed to make the laboratory's work effe it is interesting to note that more and more i being taken in this work by the fact that c are increasing each year.

ADIAN INSTITUTE OF FORESTRY UAL CONVENTION HELD AT BANFF

Mr. K. G. Fensom of Vancouver was elected Pres- of the Canadian Institute of Forestry at the An- Convention.

M.r W. A. E. Pepler of Montreal was elected Vice- ent and Mr. D. V. Love of Toronto was elected tary-Treasurer.

The theme of the meeting, "The Integration of st Land Uses" was well developed through a series cellent papers which were followed by lively and aneous discussion.

THWESTERN ONTARIO SECTION, ANNUAL MEETING PLANNED FOR EMBER 15TH, 1951

The date for the Annual Meeting of the C.I.F., hwestern Ontario Section has been tentatively set ecember 15th. Since the form of this meeting is discussed at the Longlac interim meeting which be held subsequent to the writing of this announce- , the executive is unable to make known any an- meeting arrangements at this time. We feel con- t that many new ideas will be put forward by our rn members and that a most interesting and en- le meeting will be planned. Unfortunately, a mber meeting coincides with hauling preparations h are extremely important, nevertheless, we must overlook the importance of not only maintaining also stimulating the development of our sectional nization.

LET'S HAVE A GOOD TURN OUT!

G. G. COSENS ADDRESSES NORTHWESTERN ONTARIO SECTION

Mr. G. G. Cosens, Assistant General Manager, Woodlands Division, Kimberley-Clark Corporation, spoke to a recent meeting of the Northwestern Ontario Branch of the C.I.F. in Port Arthur.

Mr. Cosens spoke of forestry in Great Britain and Scandinavian countries.

TECHNICAL FORESTRY STUDENTS VISIT OPERATIONS

The Fall Utilization Field Trip of Second-Year Technical Forestry Students at the Lakehead Technical Institute under the direction of Mr. C. J. Campbell, Master in Forestry, was completed early in November.

Operations of the Marathon Paper Mills of Canada Limited, the Brompton Pulp & Paper Company Limited and the LongLac Pulp & Paper Company limits were visited.

Mr. Harold Braun, Principal of the Lakehead Technical Institute, Mr. C. J. Campbell, Master in Forestry and the Students appreciate very much the excellent co-operation of the woods companies in accommodating and instructing the students on these trips.

THINKING OF OTHERS

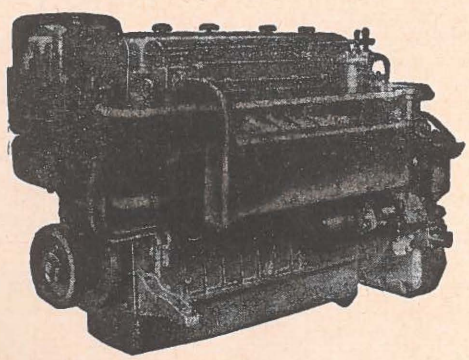
Think of others. Leave public washrooms in as good or better condition than you find them, and remember that expectorating and careless coughing in public places are definite hazards to the health of other people.

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Fort Willia

SAFETY NEWS

Foremen: Here's a Safety Story! Read it and pass it on to yo Straw Boss to read.

Adventures of A Woods Boss

THE STRAW BOSS ranged up alongside a rank of pulpwood on the main road, drove his axe into the end of an eight-inch stick of spruce, and glumly eyed the checker.

"What's eating you John?" quipped the scale rule artist, "your girl give you the heave-ho?"

"No," replied the straw boss "I could fix that up easy enough; but there's orders out from the big brass that's got me puzzled how to follow them."

The checker pushed his Scotch cap back and scratched his forehead. "Well," he mused, "Jim ain't one to talk just to hear the music of his own voice; he probably figures as long as you got brains enough to be straw push, you will use them to deliver the goods. What's the orders"

"Huh," grunted the other, kicking at a root, "Jim knows, and we all know that we're having too many accidents around here. Almost all of them come from guys slashing themselves with an axe, or falling over a stump, or lifting the wrong way, or dropping a pulpwood stick on their toes, or getting crowned by a widow-maker, or — oh, don't know; it seems, if there's a way to get hurt, he'll find it sooner or later. So I've got to make a talk on safety to every man in my crew from time to time, and not only that, but make a list of each one I talk to, so the boss will know I am following through. I want to do it, all right, but I don't know how to start."

"Oh, I heard about that," said the checker. "I was down in the other division awhile and George is going to do the same thing there. It looks good, and I'm for it."

"Yeah, but I'm no speechmaker," remarked the straw boss, chewing on a sliver of jackpine. "I'll feel foolish preaching to grown men."

The checker jotted down some figures in his scale book before he spoke.

"Look, John; in this crew there's a bunch of young fellows who never were in the bush before, and haven't got onto the right way to handle tools and timber. There are others who have been at it a little while, but who aren't yet log-wise and they need coaching. Then there are some who have formed bad working habits that need correcting, and still others doing piecework who are so anxious to make their stake that they don't take time for the proper precautions. Seems to me there's a good field for constructive education beyond the talks they were given when they first landed at camp."

The straw push yanked his axe from the pulpwood stick, pulled on his mittens and said, "I know all that as well as you do, Rudy, and you're right. I'll tackle it even if I bust a larynx. I just wanted some moral support."

He plowed off through the snow toward the cuttings.

Ten minutes later he stopped and muttered, "Well here's as good a place to start as any," and hitching up his belt he approached a young worker industriously limbing a big fallen spruce.

Opening the conversation with "Hello, Joe, how's it going this morning," he continued, "looks to me like that's kind of a dangerous way you're swinging that axe, son, and standing on the same side of the tree you're limbing. Remember when the foreman talked to you fellows when you came to camp, he said the safe way was to stand on the opposite side so the tree is between you and the downward swing of the axe."

"Sure," replied the cutter, "but look, John, t so high off the ground that I'd play myself out in no ing over and back to do that. Besides, I've been wa over there in the next strip, and he stands on the same he's limbing, and he's an oldtimer."

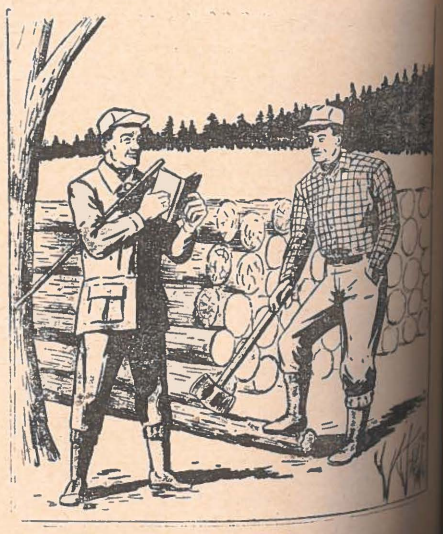
"Right," came back the straw boss. "Sam does but, did you notice that his legs are never in the path swing— nor his feet? Look at him now — see how he cuts the limb with a sort of an underhand swing; see h is always going away from him when it strike the limb he can work pretty far up one side of the tree befo over to the other, and if the trunk is held off the gro it down as he cuts the limbs holding it up. In othe knows how to avoid injury, no matter what position he

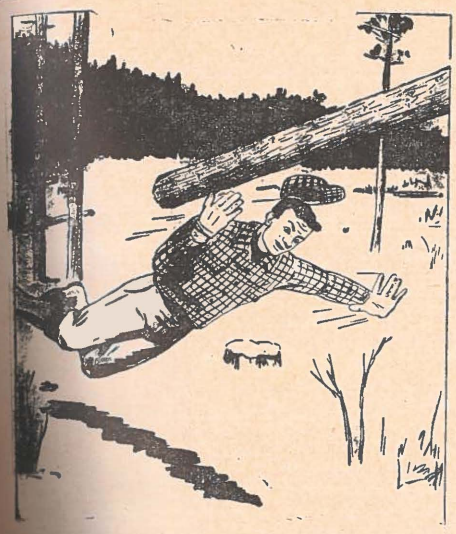
"I get it," said the pieceworker, "there's m business than just bull work. But it takes practice to axe the way Sam does."

"That's right," replied the straw boss. "Just swing your axe away from your body so that if you mi or if the axe cuts through it easier than you figured, um will be away from you instead of towards your legs awkward at first, but it'll pay off in the long run."

"Well," he said to himself as he headed for a "that wasn't as hard as I thought it would be. Maybe young fellow a bad axe cut on the knee in those few he'll remember what I told him. I'll just check back little later and see how he's doing."

Soon he came onto another piece cutter carr of pulpwood to a pile at the edge of the skidding approached, the man stumbled and to save himself threw the stick from his shoulder, making a few choi in lumberjack style about the cussedness of things in





"Hi, Tom," hailed the boss, "pretty catty you are on your his morning; that was a good fast move you made, getting om under that log. Afraid if it had been me it would have on top of me."

"Yes," growled the other, "and I've had them throw me, his snow covers up the rocks and snags, and you can't see you're going. This round stuff don't grow wings and fly it- ut to the road."

"You're sure right," replied the straw boss, "and a fall hundred pound log on top of you can put you out of com- n for a week or two. I dunno—maybe it would pay to sort ise out the path from the tree to the road before starting ry out the wood. Let's see— there's eight sticks in that tree, u'll tote most of them out by the same path. How would it tramp back and forth over it a couple of times and get the the ground before carrying any stuff out? Then you'd know to watch out for."

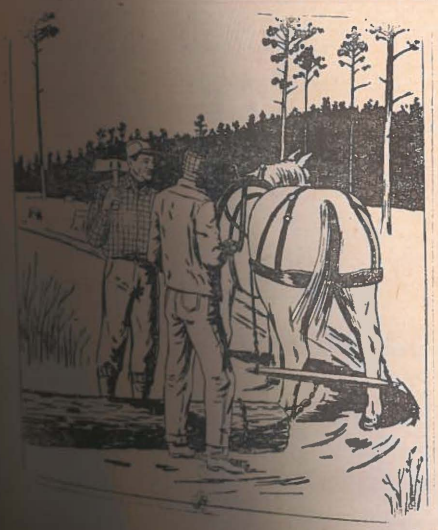
"Well," said the cutter, "that's reasonable, but it takes and I'm here to make as much dough as I can. In the course winter I'd lose lots of piecework making those empty trips."

"I know, retorted the push, but I'll bet it would amount much as you'd lose if you were laid up for just one week a fall. Think it over -- that butt log there is too heavy for to hoist onto your shoulder and carry out safely. How will anage it?"

"Oh, I ain't that crazy, grinned the other. "I'll either moose end over end or else wait for someone to come along and me a hand with it."

"Right you are, Tom," said the straw boss, "you got the

Plodding along through the snow again, "Boy," he mused, lieve I'm getting good at this. The fellows take it pretty de- ." Ahead of him a big black Percheron hove in sight, head l low, snaking a tree length of spruce along a narrow wind- rail. Behind, at the end of the long leather ribbons, came amster. "Whoa," he roared, as he came abreast of the straw He hauled out a can of Copenhagen, tapped the cover, tuck- wad inside his cheek, and offered the can to the push.



"Snoose?" he inquired.

"Sure," said the boss, taking a pinch and stowing it away. "Say, Mike, did you ever get jammed between a log and a stump when you went around a curve on the skidding trail because you were on the wrong side?"

"I see what you mean," replied the skinner. 'I'm on the wrong side now, and if that crow bait there turned the corner up ahead I might get caught unless I stepped over the log. No, I never got it that way, but I've seen it done, and it's no good. But while we're talking about safety, how about you carrying that axe on your shoulder?"

The straw boss reddened up, but had to laugh. "You got it on me there, Mike," he admitted. "It's the wrong way; I should carry it in my hand, close to the axe head. You know, habits of 25 years are hard to break. Next time you catch me doing that, you win yourself a roll of snuff." As he walked away he muttered to himself, "just goes to show —- if you're going to talk safety you got to practice what you preach. But," he perked up a little, "this isn't such a bad chore, after all; come to think about it, our job is to get the round stuff out of the woods; you can't wish it out and we depend on the crews to do it. But a man isn't getting out much wood while he's in the hospital from an accidetn, so it's up to us to keep them safe and healthy — then we'll all benefit."

— The Mandonian

SAFETY NEWS

The fall meeting of the Ontario Pulp & Paper Makers' Safety Association (Northwestern Ontario Woods' Branch) was held in Dryden on November 28th, 1951.

Mr. Alex White, well-known safety inspector for Northwestern Ontario for the Lumbermen's Safety Association is retiring at the end of the year. Previous to his retirement date, Mr. White has been granted a leave of absence and will be moving East to live in Toronto.

Mr. White is being succeeded by Mr. G. R. Potts.

The Quebec Pulp & Paper Safety Association Inc., recently distributed to their Quebec members a pamphlet entitled:

"For Garages on Logging Operations

FIRE PREVENTION
IS PROTECTION
AGAINST ACCIDENTS

Check All Hazards ToDay
ToMorrow May Be
Too Late"

This pamphlet is in French and English and covers the following items:

1) Personnel and Fire Fighting Apparatus
2) Cleanliness
3) Handling of Oil and Gasoline
4) Stoves
5) Welding
6) Lighting
7) General
8) Accident Prevention.

This is an excellent pamphlet and the Editor is certain that if any reader would like to secure one of these pamphlets that Mr. A. S. Cook of the Quebec Pulp & Paper Safety Association Inc., will be pleased to supply a copy. The address is 65 St. Anne Street, Quebec, P.Q.

Directory of Key Personnel

The woods industry is a large industry — the largest in Northwestern Ontario. This huge industry is directed by men who have their jobs. — foresters, technicians and men of experience.

Here is a Directory of Key Personnel in the woods industry in Northwestern Ontario. This list covers only those of the front-line force — the men in the field. Head Office staffs in the majority of cases are not included. GOOD LUCK TO YOU!

ABITIBI POWER & PAPER COMPANY LIMITED

Port Arthur Division — Woods Department

General Logging Superintendent — Gordon Withenshaw
Marine Transportation Superintendent —Dave Rody
Mechanical Superintendent — John Coyne
Construction Superintendent — T. C. Armstrong
Asst. Construction Superintendent — E. Jack Eynon
Electrical Foreman — A. E. (Bert) Ferguson

Auden Area

District Logging Superintendent — Arthur V. Pingree
Asst. Dist. Logging Superintendent — Ken G. Crowhurst
Asst. Dist. Logging Superintendent — Burt Vickers
Junior Dist. Logging Superintendent — Ross Wilson
Superintendent in Training — James C. Bocking
Road Foreman — Emmet O'Gorman
Master Mechanic — O. A. (Ernie) Zepik
Check Scaler — W. A. (Bill) Koski
Clerk Supervisor — Swante W. Maki
Clerk Supervisor — Ray O. Halme
Depot Foreman — Howard McCormack
Depot Clerk — R. M. (Phil) Cameron
Warehouse Foreman — Earl K. McKinnon
Parts Clerk — Joe W. Andrews
Paymaster — Charles A. Hogan
Stock Ledger Clerk — Bert A. Oby
Stock Ledger Clerk — James E. McGillivray
Stock Ledger Clerk — William M. Gordon
Camp Ledger Clerk — A. J. (Bert) Dufresne
Warehouse Clerk — Jack Kennedy
Clerk — Ernest Cronk

Camp 8A
Emil Littek — Contractor
Camp 9A
Andy Sohlman — Contractor
A. Barkowski — Clerk
Camp 15
E. Harju — Contractor
D. J. Coleman — Clerk
Camp 20
Joe Brissard — Contractor
Camp 23
Alex Tutkaluk — Contractor
Camp 24A
Bert Nelson — Contractor
Camp 11
A. Wragg — Foreman
M. Howe — Clerk
Camp 25
Jim Lanktree — Foreman
R. Portwood — Clerk
C. Kellogg — Scaler
Camp 30
W. Salo — Contractor
H. Kolhonen — Clerk
W. McCauley — Scaler

Camp 32
F. Sinclair — Contractor
A. O. Forster — Clerk
Dan McRae — Scaler
Camp 33
Elmer Johnston — Foreman
C. J. Schmidt — Clerk
J. Latriell — Scaler
Camp 34
Gus Nordstrom — Foreman
Elmer Johnson — Clerk
T. Harris — Scaler
Camp 35
Karl Lahti — Contractor
H. J. McKinnon — Clerk
R. Sikkila — Scaler
Camp 28
Eric Hadley — Contractor
Niel Daly — Cerk
E. Bergstrom — Scaler
Camp 36
Dave Whitney — Foreman

Provincial Area

Asst. District Logging Superintendent — Edwin B. Ayer
District Logging Superintendent — John A. McLeod
Master Mechanic — Carl Ringham
Check Scaler — George Hubbard
Wolf Lake Road Construction Foreman — Norman Gregory
Clerk Supervisor — R. B. Munsie
Construction Clerk — Dan Coghlan

Camp 206 (Depot)
M. Armitage — Foreman
Duke McKinnon — Foreman
E. Cousins — Depot Clerk
J. E. Moran — Clerk
R. Mills — Ledger Clerk
P. Renaud — Whse. Clerk
G. E. Peshau — Scaler
A. Venni — Clerk
Camp 216
H. (Red) Craig — Foreman
T. E. Atchie — Clerk
R. W. Gray — Scaler

Camp 220 & 220A
A. Sipila — Contractor
H. Kurki — Clerk
Carl Olson — Scaler
Camp 221
Joe Wahl — Foreman
E. O. Peterson — Clerk
W. F. Aylward — Scaler
Camp 214A
W. C. Brown — Contractor
Camp 226
Karl Ratz — Foreman
W. Emack — Clerk
J. Savas — Scaler

Western Blocks

District Logging Superintendent — H. W. (Buster) D
Asst. District Logging Superintendent — T. Myles L
Mechanic Foreman — Ilmar Manners
Check Scaler — Louis Malmborg
Clerk Supervisor — Fern Steadwell

Camp 118, Raith
Jack Kozystko — Contractor
H. P. Cann — Clerk
Camp 118A, Raith
W. Szymanek, Contractor
Camp 125, Raith
Cliff Alexander — Clerk
Camp 140, Ghost River
Jan Filipiak, Contractor
W. Dykstra — Clerk
R. Renneberg, Scaler
Camp 146, Raith
Geo. Kalinka, Foreman
George Hayes, Clerk
T. L. Blackburn — Scaler

Camp 147, Upsala
Oscar Salo, Forem
M. Sutton — Cleri
G. McLelland —
Camp 147A, Upsala
I. Haapasalo, Cont
Camp 149, Umfreville
F. Westerberg —
H. B. Derrick —
G. Sellers — Cler
T. Bagdon — Sc
Camp 150, Upsala
M. Connell — Co

ABITIBI POWER & PAPER COMPANY LIMITED

(Saut Ste. Marie Division)

White Lake District — Regan Depot

R. A. Kenshol — General Logging Superintendent
O. A. Walnuk — Disrict Superintendent
I. S. Palmer — Assistant District Superintendent
George Breckenridge — Assistant District Superinte
W. R. Boville — Assistant District Superintendent
F. W. Wheeler — Supervisor-in-Training
George Heasman — Supervisor-in-Training
George Ross — District Mechanic Foreman
Robert Speers — Garage Foreman
J. S. Boville — Logging Equipment Foreman
J. H. Baskerville — Camp Clerk Supervisor
W. Koski — Depot Clerk
S. McNee — Paymaster
J. E. Hall — Warehouseman
D. J. Steele — Clerk Supervisor
T. Lyon — Clerk Supervisor
Roger Bernard — Parts Clerk

Camps
F. Larocque — Contractor
J. F. Peckitt — Clerk
E. Aho — Contractor
F. Urquhart — Clerk
E. Miller — Contractor
H. Aspinall — Clerk
S. Heino — Contractor
Dave Fraser — Clerk
C. Lampi — Contractor
H. Vosper — Clerk
L. Tahti — Contractor
Ken Campbell — Clerk
W. Rajala — Contr
D. A. Leith — Clerk
H. Hayward — Cont
C. W. Coulter —
Thure Fors — Cont
A. Suraci — Clerk
T. Lefebvre — Cont
F. R. Hatheway —
P. N. Charlebois —
J. B. Kelly — Check
H. S. Young — Ch
D. Lacourciere —
L. Johnson — Fore

Minnipuka
K. E. Collver — Clerk
J. W. Mills — Clerk
Emerson Collver —

ARROW TIMBER COMPANY LIMITED

Calstock, via Hearst, Ont.

Camp No. 1 Headquarters Calstock
C. Mitchell — Logging Superintendent
A. Groulx — Chief Clerk
A. Bois — Purchasing Agent
A. Lehoux — Check Scaler
Camp No. 2
P. Rekola — Contractor & Foreman
Camp No. 3
R. Lachance — Contractor & Foreman
Camp No. 4
S. Roy — Contractor & Foreman
Camp No. 5
G. Aubin — Contractor & Foreman
Camp No. 6
A. Leclerc — Contractor & Foreman
Camp No. 7
L. Gagne — Contractor & Foreman

BROMPTON PULP & PAPER COMPANY, LTD.

ore, Ont.
M. Lein — General Logging Superintendent
Sainsbury — District Logging Superintendent
A. Boyle — District Logging Supervisor
E. Pickard — District Logging Supervisor
E. Wilson — District Logging Supervisor
Leskinen — Chief Clerk
Baker — Chief Warehouse Clerk
E. McInnis — Chief Scaler
Clerihew — Shop Foreman
L. MacDonald — Safety Inspector
Nylund — Chief Fire Ranger

ctors
7, Nipigon
im Martin — Contractor
17, Beardmore
Stenlund — Contractor — A. Sletback — Foreman
Dampier — Clerk
26, Beardmore
Aakinen and Kivi — Contractors
Urho Seppala — Foreman — C. Korpi — Clerk
32, Beardmore
Trilake Timber Company Ltd. — Contractor
Woroniuk — Clerk — Gust Matson — Foreman
47, Beardmore
Moschuk — Contractor
ler Warchmeka — Foreman — P. Hnatiw — Clerk
50, Beardmore
Hornblower & Grenier — Contractors
51, Beardmore
R. L. Tansley & Sons Limited — Contractor
Neil Arthur — Foreman
M. Penziwol and J. Harding — Clerks
53, Beardmore
Trilake Timber Company Ltd. — Contractor
Pierre Perron — Foreman — A. MacDonald — Clerk
63, Beardmore
Oja and Korkola Ltd. — Contractors
Victor Lammi — Foreman — Ero Mekkonen — Clerk
88, Beardmore
Oja and Korkola Ltd. — Contractors
Gus Raita — Foreman — Jack Baba — Clerk
John Heinriffky — Clerk
89, Beardmore
W. Jacobson — Contractor — D. Salo — Clerk
90, Beardmore
H. Turcotte — Contractor
Rosaire Ruel — Foreman — John Gould — Clerk
91, Beardmore
C. Chiasson — Contractor
Pantaleon Arsenault — Foreman — Gerard Poirier — Clerk
92, Beardmore
E. M. (Sam) Hughes — Contractor
W. Rickard — Foreman — C. Hewitt — Clerk
93, Beardmore
Joseph Grenier — Contractor
William Grenier — Foreman — Paul Huneau — Clerk

CHUKUNI LUMBER COMPANY LTD.

Snake Falls, Ontario
General Manager — H. E. McCallum
Secretary-Treasurer — E. F. Scott
Logging Superintendent — Gerald Willan

DRIFTWOOD LANDS & TIMBER LIMITED

ay Depot
Alfred Allin — Woods Superintendent
Ray Greer — Chief Clerk & Paymaster
A. Aubin — Clerk
G. A. Hamborg — Scaler
Edward Faubert — Chief Mechanic
Arthur Judson — Assistant Mechanic
p No. 15
M. Lapointe — Contractor
p No. 18 — Jean-Peal Laurin — Foreman
E. Chedore — Foreman
Gerald King — Scaler — Martin Molund — Clerk
p No. 19
E. Perkio — Foreman
Les Lawless — Scaler — Ray Herckman — Clerk
ul Depot
Ernest Lindgren — Watchman

DRYDEN PAPER CO. LIMITED

Dryden, Ont.

Woods Department
Norman McMillan — Woods Manager
Fred Morton — Superintendent, East Division
William Cuff — Superintendent, West Division
W. G. Faulkner — Chief Scaler
W. S. Moore — Chief Forester
Chas. Hodgkinson — Truck Foreman
George Franklin — Assistant Superintendent, East Division
Robert Bunney — Forester
Andrew Scherban — Assistant Forester
Tom Sanderson — Garage Foreman, Trucks
Ernest Hampe — Garage Foreman, Tractors
Archie Sherrard — Foreman, Camp 71
Allan Boyce — Clerk, Camp 71
Arvid Lindquist — Foreman, Camp 76
Brian Barber — Clerk, Camp 76
Maurice Davies — Foreman, Camp 25
George McDonald — Clerk, Camp 25
Charles Latimer— Foreman, Camp 26
Don Davies — Clerk, Camp 26
John McArthur — Foreman, Camp 27
Martin Hampe — Clerk, Camp 27
Mike Porayko — Foreman, Camp 28
Murray Rankin — Clerk, Camp 28
Ted Humeniuk — Foreman, Contact Bay Landing Camp
Harry Kameda — Clerk, Contact Bay Landing Camp
Gus Hohn — Clerk, Dinorwic Landing Camp
Axel Lindquist — Boat Foreman
George Hohn — Assistant Boat Foreman

THE GREAT LAKES PAPER COMPANY LIMITED

Black Sturgeon District
Camp 1 Depot
J. A. Sellers — District Superintendent
W. J. Bouchey — District Supervising Clerk
T. Cheesman — Clerk
A. Matson — E. Plater — B. Shanahan
Camp 20
Dorio Maurice — Foreman — Thomas Olmstead — Clerk
Camp 23
Michael Lukach — Foreman — Carl Mossa — Clerk
Camp 24
Torger Dale — Foreman — David Dean — Clerk
Camp 28
William Zapier — Foreman — Edward Kruger —Clerk
Camp 29
August Erickson — Foreman — Emile Lemire — Clerk
Camp 31
Horace Carnahan — Foreman — Robert Sutherland — Clerk
Camp 32
Thomas McClelland — Foreman — Adolph Kurvits — Clerk
Point Lake Dam
Michael Oster — Foreman — Arvo J. Hill — Clerk
Cruisers
Maurice Helie — Morris MacKay — Robert Girvin
Valora District
Valora Headquarters
G. V. Calhoun — District Superintendent
E. R. Dubeau — District Supervising Clerk
C. G. McClelland — Paymaster
A. J. Beagley — Garage Clerk
A. J. Hamm — District Mechanic
M. S. Warbeck — Clerk
Victor Maloney — Clerk
S. Lucich — C. Bennett
Camp 308
Alec MacKenzie — Foreman — Gerry Reynolds — Clerk
Camp 311
Joseph Kutzner — Foreman — August Miks — Clerk
Camp 312
David Whitney — Foreman — Raymond Reeves — Clerk
Camp 314
Lorne Buckle — Foreman — David Green — Clerk
Camp 315
Gus Maki — Foreman — F. Heard — Clerk
Camp 316
Jalmar Kotanen — Foreman — L. Ristanen — Clerk
Leonard Neva — Check Scaler
George Cameron — District Logging Engineer
Cruisers
Joseph Ward

(Continued on Page 14)

Merry Christmas and A Happy New Year!

To all Our Friends and a . . Special THANK YOU for the Privilege of being able to serve you during the past year.

MARSHALL-WELLS



Dog River District
Camp 126, Dog River, Mileage 34.3, C.N.R.

Great Lakes Spur, Ont.
K. Porter — District Superintendent
O. J. Korpela — District Supervising Clerk
C. H. Dolan — Assist. Superintendent
S. Kiviniemi — Foreman
F. Helget — District Mechanic
W. Fishwick — Paymaster
G. C. Bell — Logging Engineer
H. Nash — Cruiser

Camp 117
Charles Korpi — Foreman — Allan Leeyus — Clerk

Camp 118
Eugene Larocque — Foreman — Dean Fossos — Clerk

Camp 121
Carl Irvine — Foreman — R. Mills — Clerk

Camp 128
John Kotala — Foreman — Henry Schilke — Clerk

Camp 129
Hans Maki — Foreman — Sulo Hakala — Clerk

Camp 130
Ralph Elder — Foreman — George Graham — Clerk

Martin District
Martin Headquarters
H. S. Beattie — District Superintendent
W. Poutanen — District Supervising Clerk
N. Bodnarchuk — Paymaster
F. Shreeve — Dstrict Logging Engineer
W. Honkanen — District Mechanic
E. Sundvikson
L. Sundvikson (Mrs.)
F. Charbonneau — Foreman
K. Mason — Check Scaler

Camp 409A
Einar Kovanen — Foreman — W. Douglas — Clerk

Camp 411
Phillip Elder — Foreman — H. S. Jackson — Clerk

Camp 412
Matte Pehkonen — Foreman — Carl Koenig — Clerk

Camp 415
John Fekete — Foreman — A. Upton — Clerk

Shebandowan District
Scaler — Leslie Edgar

Camp 60
J. Possakka — Contractor — U. Fiskar — Clerk

Camp 62
W. Skog — Contractor — E. Pearson — Clerk

Camp 63
Joel Nelson — Contractor

Cameron Falls District

Camp 16
J. P. Healey — District Superintendent
H. S. Hardy — District Supervising Clerk
M. Dolph — Check Scaler
S. Litkowski — Foreman
B. Coslett — Clerk

Camp 22
J. Usenik — Contractor — G. Greer — Clerk

Camp 33
L. Erechook — Contractor — W. J. Rudd — Clerk

HAMMERMILL PAPER COMPANY

Ycliff Area
Alan Millar — Supt.
F. Alexander — Walking Boss
D. Hagar — Forester

Depot
J. Lukacin — Clerk

Camp 6
J. Kunc — Foreman
F. Shewfelt — Clerk

Camp 7
J. Jarvis — Foreman
A. Anderson — Clerk

A. Shultcz — Contractor
[illegible]leyn — Clerk

Camp 2-A
A. Baulne — Contractor
G. Paulenko — Clerk

Clarkdon Area

Camp 11
S. Zuffa — Fore
F. Gardner — Cl

Savant Lake Area
A. M. Miller —

Camp 5
A. Thibert — Fo
T. Tapio — Cle

Camp 9
T. Poradisky —
J. Rogers — Cle

Camp 10
R. Laitinen — F
G. Wilson — Cl
V. McKay — Tra
Relief Clerk (

LONGLAC PULP AND PAPER COMPANY LIMI

Longlac Headquarters
Longlac, Ont.
A. F. Buell — Manager
A. L. K. Switzer — Ass't Manager
G. L. Puttock — Logging Supt.
A. G. Galloway — Office Manager
T. Velanoff — Chief Camp Auditor
J. C. Day — Supt. of Plant
W. B. Mills — Stores Supt.
J. A. Brown — Personnel Supt.
Max Ezewski — Hiring Clerk
R. Desaulniers — Hiring Clerk

Geraldton, Ont.
George Broder — Hiring Clerk

Camp Operations

Camp No. 20, 40 43
Austin Ste. Croix — Dist. Supt.

Camp No. 35, 41 Sawmill
Wilfred Carlson — Dist. Supt.

Camp No. 30, 47, Longlac Salvage
Hugh T. Renaud — Dist. Supt.

Camp No. 21A, 48, 9, Geraldton Salvage
Ken McCron — Dist. Supt.

Geraldton Salvage
Don Penna — Ass't Dist. Supt.

Camp No. 20
Lou Massicotte — Camp Foreman
Albert Braumanas — Ass't Camp Foreman
Peter Noonan — Camp Clerk

Camp No. 40
Ed. Olsen— Camp Foreman
James Murphy — Ass't Camp Foreman
Harry Kireto — Camp Clerk

Camp No. 43
Tom Ballantyne — Camp Foreman
Sandy Kuzik — Ass't Camp Foreman
Ray Matson — Camp Clerk

Camp No. 30
E. R. "Jim" Humphreys — Camp Foreman
Harry Seaton — Ass't Camp Foreman

(Continued on the next page)

No. 35
Jimmy Reeves — Camp Foreman
Mike Tracey — Ass't Camp Foreman
Nicol Williamson — Camp Clerk
No. 41
John Hager — Camp Foreman
No. 47
Paul Thors — Camp Foreman
Ron Cooke — Ass't Camp Foreman
Colin MacDonald — Camp Clerk
Lac Salvage
Isaac Makie — Camp Foreman
Bernard Feldebrugge — Camp Clerk
quarters
Endell Tooming — Camp Clerk
No. 50 (Sawmill)
Cliff Poole — Foreman
Bob McPherson — Clerk
dton Area
No. 9
Walter Drews — Camp Foreman
Walter Lockhart — Ass't Camp Foreman
M. Elchuk — Camp Clerk
No. 48
Bill Dawidowich — Camp Foreman
John Oja — Ass't Camp Foreman
dton Salvage
W. Lockhart — Ass't Camp Foreman
21A
Eino Heino — Camp Foreman
Angus McPherson — Ass't Camp Foreman
Bertel Stone — Camp Clerk

MARATHON PAPER MILLS OF CANADA LTD.

onal
W. E. Mair — General Logging Superintendent
Carson A. H. C. — Engineer
Christie Chas — Chief Communications & Power
Christie J. A. — Manager - Mercantile Warehouse
Clairmont J. A. — Field Supervisor (Acctg. & Admin.)
Cowan S. L. — Fire Marshall
Devine L. J. — Check Scaler
Hamilton D. P. — Training Supervisor
Harju L. — Assistant Engineeer
Harkness W. D. — Forester
Kern N. — Airchief
Lawson H. B. — Travelling Auditor
Mair J. A. Jr. — Relief Clerk
Mair J. A. Sr. — Catering Supervisor
Navis Doctor S. J. — Resident Physician
Olson O. — Master Mechanic
Powell Ronald — Assistant Forester
Stone J. D. — Safety Supervisor
ens District
E. A. Lunam — Superintendent
Adams G. O. — Assistant Depot Clerk
Amesse Alex. — Foreman Engineering
Baryla Geo. — Unit Production Foreman Cp. 24
Brown Russ — Compartment Supervisor Cp. 12
Carlson C. — Unit Production Foreman Cp. 5
Cross Wm. — Communications & Power
Davidson D. W. — Relief Clerk
Garbutt Dave — Depot Garage Foreman
Gauthier Royal — Chief Clerk Cp. 12
Going M. L. — Assistant Clerk Cp. 12

(Continued on the next page)

IN THE DAZE OF PAUL BUNYAN — KING OF THE LUMBERJACKS
(TM Reg. Pat. Office)



WHENEVER A BUTTON POPPED LOOSE FROM HIS SUSPENDERS, PAUL WOULD BEND AN IRON CROW BAR INTO THE FORM OF A SAFETY PIN WITH HIS BARE HANDS. SOME LUMBERJACKS STILL CLAIM THAT'S HOW SAFETY PINS WERE INVENTED.

This booklet is printed on "Thrift-Coat Enamel" manufactured at Provincial Paper Limited, Port Arthur Mill, Ontario, out of wood produced in Northwestern Ontario and printed by the Consolidated Press, 137 South May Street, Fort William, Ontario.

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H. R. SHEPPARD



J. ROSS BLANCHARD



S. PARSONS

Mr. R. C. Huggard, President, Huggard Equipment Co. Ltd., is pleased to announce re-organization of the company as follows:

Mr. H. R. Sheppard, formerly vice-president in charge of sales for Kipp Kelly Limited, becomes vice-president and manager of the Mining Department.

Mr. J. Ross Blanchard, formerly salesman with Huggard Equipment Co. Ltd., becomes vice-president in charge of industrial sales.

Mr. Syd Parsons, formerly with Dunwoody, Saul, Smith and Co., Chartered Accountants, is appointed treasurer.

Husak Nick — Compartment Supervisor Cp. 5
Jamieson J. — Unit Production Foreman Cp. 5
Karlstedt K. A. — Chief Mechanic
Karlstedt N. E. — Depot Clerk
Lafave E. — Depot Foreman
Larson John — Compartment Supervisor Cp. 24
MacLennan H. — Garage Accountant
Martin E. — Unit Production Foreman Cp. 24
Mousseau R. J. — Recording Clerk
Murray R. — Partsroom Manager
Pelot Ivan — Chief Clerk Cp. 5
Richards J. — Unit Production Foreman Cp. 12
Rodwick P. —Unit Production Foreman Cp. 12
Sword D. C. — Chief Clerk Cp. 24
Whalen Genevieve — Secretary

Caramat District

J. W. Gowan — Superintendent
Bosvick Tom — Compartment Supervisor Cp. 53
Brady Fred — Chief Mechanic
Hart Chas. — Depot Foreman
Hogue Albert — Depot Garageman
Hopkins Harry — Unit Production Foreman Cp. 51
Johnson Rita — Secretary
Kauhanen Emile — Compartment Supervisor Cp. 51
Mantyla A. A. — Assistant Depot Clerk
Molloy J. D. — Chief Clerk Cp. 51
McDonald J. — Unit Production Foreman Cp. 53
Powell G. — Partsman
Rioux R. — Chief Clerk Cp. 53
Ross Alex. — Electrician
Seppala E. — Assistant Clerk Cp. 53
Tateishi M. — Unit Production Foreman Cp. 51
Taylor J. S. — Recording Clerk
Tucle W. N. — Partsroom Manager
Tuffy G. P. — Depot Clerk
Urquhart V. — Unit Production Foreman Cp. 53

Marathon District

Martin Johnson — Superintendent
Demache P. — Drive Foreman
Doherty Alex. — Foreman - Heron Bay
Eden Wm. — Production Foreman
McDevitt A. — Depot Clerk
Shewchuk S. — Assistant Depot Clerk

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(Nagogami Division)

Hearst Ont.

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P. P. Turcotte — Superintendent
D. Hagerty — Foreman
J. Veilleux — Mechanic

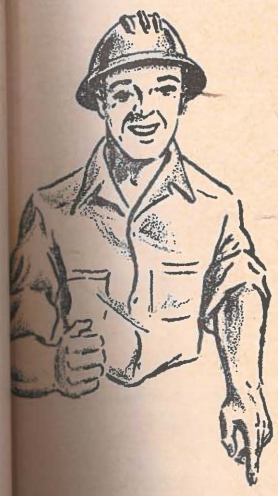
Hornepayne, Ont.

Ray Kallio — Superintendent
C. Riach — Paymaster
N. Leblanc — Foreman, Camp 11
N. Tomkiew — Contractor, Camp 10
J. Sullivan — Travelling Clerk, Camp 11
N. Suzanna — Foreman, Camp 10
P. Levesque — Contractor, Camp 10A
B. St. Onge — Clerk, Camp 10A
P. Buteau — Contractor, Camp 20 Sawmill
E. Levesque — Contractor, Camp 21 Sawmill
A. Guenette — Contractor, Camp 22
J. Drapeau — Contractor, Camp 11A
A. Galbraith — Scaler
D. Robichaud — Scaler
J. Nault — Scaler

Hearst, Ontario

D. Murtaugh — Scaler
D. True — Forester
A. St. Onge — Contractor, Camp 23
A. Fortin — Clerk Camp 23
V. Koogardal — Clerk, Comp 10
G. Dempsey — Superintendent
E. J. LaJambe — Woods Accountant
J. Sorokan — Chief Clerk
E. Dupre — Travelling Clerk
R. Selin — Clerk
J. Weiss — Accounts Payable
D. J. Ritchie — Ledger Keeper
G. Bissonnette — Paymaster
P. Robertson — Warehouseman
E. Dolph — Check Scaler
M. Lecours — Warehouseman
A. Sauve — Shipping Clerk
N. Magnusson — Foreman
N. Ling — Sub-Foreman, Camp 6
O. St. Aubin — Clerk, Camp 19
O. Haavaldsrud — Contractor, Camp 18
F. Romaine — Foreman, Camp 18
P. Marcotte — Sub-Foreman, Camp 18
Mrs. E. Haavaldsrud — Clerk, Camp 18
G. Buteau — Contractor, Camp 7
Mrs. Graziella Buteau — Clerk, Camp 7
W. Lallier — Contractor, Camp 15 Sawmill
Rosaire Gagnon — Contractor, Camp 19
P. Sykes — Foreman
Ken Schwantz — Scaler
A. Lacasse — Warehouseman
John MacFarlane — Scaler, Camp 18
C. Nillson — Scaler
G. Logan — Forester

(Continued on Page 18)



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Mead, Ont., District of Cochrane Headquarters Depot
- Art Wiley — District Superintendent
- Murray Cameron — Chief Clerk
- Barney Koreen — Payroll Clerk
- Wm. Sachowsky — Warenouseman
- R. Fowler — Clerk

Camp No. 80
- O. Patterson — Camp Foreman
- L. Souter — Clerk

Camp No. 84
- John Vukelich — Camp Foreman
- V. Halme — Clerk

Camp No. 85
- Conrad Peterson — Camp Foreman
- Wm. Foster — Clerk

Hearst, Ont., District of Cochrane
- H. Wade — Wood Buyer

Mosher, Ont., District of Algoma Headquarters Depot
- Jack Draganiuk — Chief Clerk
- Don Gillies — Chief Clerk
- J. Normandeau — Road Foreman
- Frank Moran — Cut & Lay Out Foreman
- Louie Phair — Payroll Clerk
- F. Fortin — Mechanic

Clarkdon, Ont., District of Thunder Bay Headquarters Depot
- Louis Johnson — District Superintendent
- Eric Holm — Chief Clerk
- W. Oinonen — Warehouseman & Clerk
- W. Bradish — Rafting Foreman

Camp No. 3
- Cliff Bishop — Clerk
- Hans Eskilin — Mechanic

Camp No. 4
- Wm. Cameron — Clerk

Magnet Point Camps via Port Arthur, Ont.,

Camp No. 6
- Wally Olafson — District Superintendent
- Nick Melnychuk — Chief Clerk
- Bert Krouse — Rafting Foreman

Camp No. 11
- Swante Wierikko — Camp Foreman
- Milton Maki — Clerk

Camp No. 12
- J. Connors — Clerk

Prince & Jarvis Location, District of Thunder Bay
- Jack White — Forester

Port Arthur District
- Arthur Harpell — Captain Tug "Rockett"
- Roy Hedman — Engineer
- Jim Prouty — Wood Buyer & Scaler

NIPIGON LAKE TIMBER COMPANY, LIMITED

Nipigon Division
- F. C. Brown — Superintendent
- Harley Taisey — Clerk
- Rusty McMenemy — Boat Captain

Camp 73, Beardmore Ont.
- Gus Pearson — Foreman
- Eric Madsen — Clerk
- Ben Hey — Clerk Scaler

Kowkash Division

Camp 71, Kowkash, Ont.
- Bruce Grogan — Superintendent
- J. L. Stuart — Depot Clerk
- Albert Watkus — Foreman
- Bill Read — Assistant Foreman
- Bill Muir — Warehouseman
- A. R. McCready — Storeman

Camp 82, Cavell, Ont.
- Wilf Collins — Foreman
- R. Garrett — Clerk

Camp 79, Aroland, Ont.
- Art Read — Foreman

Port Arthur Division

Camp 83, near English River, Ont.
- Geo. Retgum — Foreman
- W. A. Cheetham — Clerk

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Black Sturgeon Area
- W. McCabe — Camp Foreman
- T. Philippon — Camp Foreman
- E. Morency — Camp Foreman
- O. Kuusela — Clerk-Scaler
- E. Ulfeldt — Clerk
- W. Cousineau — Scaler

Armstrong Area
- G. A. Crombie — Superintendent
- J. C. Elder — Clerk
- J. Siipola — Contractor

Reba Area
- T. J. Haapala — Contractor
- T. Millen — Camp Foreman
- H. Wuorela — Camp Foreman
- W. Sinnemaki — Travelling Clerk
- F. Smart — Clerk
- F. J. Stokes — Clerk
- T. Vaillant — Scaler
- M. Forchuk — Scaler

Port Arthur Area
- H. Kalz — Forester
- J. G. Husband — Pole Procurement Western Divi

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Hansen, Ont.
- D. G. Lambrecht — Superintendent
- E. Jarvi — Accountant
- C. Irwin — Forester
- R. Campeau — Fire Protection
- H. Hicks — Loading Supt Michipicoten Harbour
- P. Farley — Woodbuyer, Hearst
- B. Pickersgill — Warehouse & Purchasing
- A. Ukkonen — Foreman Camp 14
- H. Pepin — Foreman Camp 19
- H. Nelson — Foreman Camp 2
- J. Flagnik — Clerk
- L. Campeau — General Foreman
- E. Campeau — Master Mechanic
- J. Hayner — Mechanic
- Mrs. M. Fulcher — Clerk, Michipicoten Harbour
- K. Holder — Clerk, Headquarters
- J. Sacheski — Canteen
- L. Waino — Clerk Camp 14
- P. Lagrange — Clerk Camp 19
- F. Guilmette — Clerk Camp 2
- P. Boudreau — Foreman Camp 4

THE ONTARIO-MINNESOTA PULP AND PAPER COMPANY LIMITED

ces Division — Logging
ging Superintendent — Robert Potts
istant Logging Superintendent — Carl W. Anderson
istant Logging Superintendent — William Martin
ging Engineer — Robert W. McLennan
ester — Bruno E. Seppala
istant Forester — George J. Garner
istant Forester — Leslie S. Paterson
dit Clerk — Norman Martinson
rehouse Clerk — Harold E. Brown
res Supervisor — William E. Shelfantook
ster Mechanic — Logging — John H. Langtry
pwood Buyer — George B. Cox
istant Pulpwood Buyer — Edmond A. Langstaff
ad Scaler — Woods — Campbell B. Douglas
ety Assistant — Walter Maslanka

the Woods Area — Fort Frances, Ont.
-309 Jack Moore — Foreman
Kenneth Conlon — Clerk

Area — Fort Frances, Ont.
A-400 Joseph Gorup — Foreman

iver Area — Atikokan, Ont.
-105 Robert Potts — Foreman
James Galbraith — Clerk
-108 Eldon Berard — Foreman
Ernest McKelvie — Clerk
-109 William Lanigan — Foreman
Donald O. McKelvie — Clerk
-110 Isaac Salgren — Camp Foreman
Emil Amorde — Sawmill Foreman
Gale Donaldson — Clerk
-112 Matt. Haslestad — Foreman
Alexander S. Mazur — Clerk
-113 Archie Law — Foreman
Henry Dick — Clerk

THE ONTARIO-MINNESOTA PULP AND PAPER COMPANY LIMITED
Kenora Logging Division

Area
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m. White — General Superintendent
T. Sniezek — Logging Superintendent

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K. Thinglestad — Construction Foreman
A. Carlson, Foreman
S. Lukinuk — Assistant Foreman
A. Livingstone — Check Scaler
H. J. Bennett — Asst. Safety Supervisor
J. H. Blair — Forest Management
G. E. McLennan — Clerk

Vermilion Bay, Ont.
J. H. Allen — Head Scaler, Storage Yard

Kenora, Ont.
D. McDaid — Camp Auditor

Camp Robinson, Ont.
P. E. Rush — Assistant Camp Auditor

Camp P-206, Camp Robinson, Ont.
F. Black — Foreman
S. Gadus — Assistant Foreman
W. Rigey — Assistant Foreman
G. Smolak — Assistant Foreman
A. Weller — Scaler
L. J. Verville — Clerk

Camp P-207, Camp Robinson, Ont.
N. O. Laroche — Foreman
A. Harkovsky — Assistant Foreman
A. MacDonald — Assistant Foreman
A. Fortin — Scaler
A. Adam — Clerk

Camp P-208, Camp Robinson, Ont.
P. Tutkaluk — Foreman
J. Shiska — Assistant Foreman
H. Wishart — Assistant Foreman
G. L. Woodbury — Scaler
E. E. Franko — Clerk

Lake of the Woods Area Kenora, Ont.
S. N. Golder — Logging Superintendent

Camp L-311, Kenora, Ont.
R. McMillan —Foreman
J. Gordon — Assistant Foreman
F. Kozel — Assistant Foreman
J. W. Hogg — Clerk

Camp L-313, Kenora, Ont.
A. E. Coak — Foreman
F. Sas — Assistant Foreman
K. Storey — Assistant Foreman
H. James — Clerk

Camp L-315, Kenora, Ont.
F. Bolefahr — Foreman, Road Constr.

Camp L-308A, Kenora, Ont.
H. Luby — Clerk

Kenora, Ont.
E. H. Berglund — Head Scaler — Contractors

THE ONTARIO PAPER COMPANY LIMITED

Heron Bay Division
Woods Superintendent — T. Summers
Walking Boss — D. Graham
Walking Boss — M. Thibeault
Logging Engineer — D. C. Horncastle
Plant Forester — R. W. B. Thomson
Forester — R. Miller
Forester — I. Cran
Chief Scaler — F. R. M. Smith
Check Scaler — R. MacGregor

Camp 11
Foreman — L. Talbot
Clerk — O. S. Sigurdson
Scaler — C. LaBrash

Camp 44
Foreman — L. Talbot
Clerk — G. Comissiong
Scaler — H. LaBrash

Camp 45
Contractor — A. Omichinski
Clerk — P. C. Fraser
Scaler — D. Wilson

Camp 46
Contractor — W. Korczynski
Clerk — J. L. Hill
Scaler — C. LaBrash

Camp 47
Foreman — J. Malec
Clerk — G. DeRoussy
Scaler — J. Gray

Camp 48
Contractor — A. Bouchard
Clerk — J. P. Masson
Scaler — R. Frowan

Camp 49
Contractor — L. Dumas
Clerk — G. C. Ibey
Scaler — G. Smith

Camp 50
Foreman — G. Genge
Clerk — R. MacKinnon
Scaler — G. Stringer

Camp 51
Foreman — M. Herchok
Clerk — R. Chalifour
Scaler — J. McLean

Camp 100
Contractor — A. Omichinski
Clerk — S. J. Juniper
Scaler — F. Folino

(Additional Listings on Page 22)

CANADIAN BUCKSAW CHAMPION WORKING AT ONTARIO PAPER COMPANY AGAIN

Ludovic Cyr, who won the Canadian Bucksaw Championship at the Canadian Pulp & Paper Association, Woodlands Section Meeting in March 1951, is again working at camp No. 44 of the Ontario Paper Company at Hemlo, Ontario. While the Editor has not been able to contact Ludovic to ascertain his intentions for the coming C.P.P.A. Woodlands Section 1952 Championship, it is almost certain that Cyr will be fighting his way through the Ontario Paper Company camp competitions and it is quite possible that he will once again represent that Company at Montreal next March.

The dates for the Canadian Bucksaw Championship Finals have been set for the evenings of March 26th and 27th, 1952, at the Mount Royal Hotel, Montreal, P.Q. This Championship event coincides with the Woodlands Section Annual Meeting.

The prizes for this Canadian Championship are as follows:

1. **Canadian Bucksaw Championship Trophy** — presented by the Woodlands Section, C.P.P.A. **plus $100 in cash.**
2. **Precision Trophy** — Presented by Mr. Alistair Grant (Precision Power Chain Saws) to the winner of the Canadian Bucksaw Championship. This trophy is held by the employer company for a period of one year.
3. **Runner-Up** — Cash prize of $50.00.
4. **Best Single Cut** — (during the 2-day contest) —Cash prize of $50.00.

All entries must be in the hands of the W Section not later than January 2nd, 1952.

During the Fort William Carnival in Championship Bucksawing Contest was held William. At that time, woods companies in N ern Ontario staged camp competitions and s champions to this banner event. There is not a event such as the Winter Carnival in Nort Ontario so it is not always possible to tie in a contest. However, the bucksaw contest pro interesting and there were many entries from the camps. It is suggested that consideration to holding a bucksaw contest on a camp le though it is not possible to declare company and send the winners to Montreal.

Such contests are well worthwhile in tha low men in the woods to take part in competi and at the same time demonstrate their ability saw.

MR. J. F. KRISTJANSSON APPOINTED REGIONAL O UNEMPLOYMENT INSURANCE COMMISSION

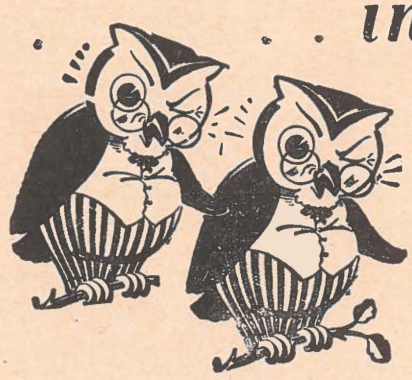


Mr. F. J. White, Regional Superintendent of the Unemployment Insurance Commission, announced the appointment of Mr. J. F. Kristjansson to the position of Regional Employment Officer, U. I. C.

Mr. Kristjansson has long experience in employment work and has specialized in the settlement problems of immigrants to Western Canada for the Canadian National Railways Department of Colonization and Agriculture before joining the U. I. C. Mr. Kristjansson is well known to woods labour employers and his co-operation and assistance is appreciated.

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Gibson Motors carry the largest stock of Genuine Ford Parts and Accessories 'twixt Toronto and Winnipeg

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The greatest standing offer ever made has been in since the days of the colonists.

t is this — reward for extra effort.

t is a basic fact of human nature that people will amazingly hard if they get something extra for it.

Through the years it has stimulated Americans to new and better machines — to invest in new prises . . . to create the world's greatest industrial . . . to compete in free markets.

By increased use of machine power on our mass ction lines, we have been able to lower costs — oduce more for every hour we work than any e on earth.

Our productive efficiency has resulted in constant- gher wages and shorter hours. Our labor has the right to choose jobs, to organize and to bargain collectively.

No wonder that the United States, with only 7 per cent of the world's population, produces as much material wealth as all other nations combined. No wonder so many other countries are looking to us today for help and guidance.

Our American system has its faults. We all know that. We still have sharp ups and downs of prices and jobs. We'll have to change that — and we will.

Meanwhile, we're being challenged to make the American system work as it never worked before. Let us create new indusrties and expand old ones — make more new jobs for more people.

Here's a big reward for extra effort — one we all can share. Let's show the world what Americans can do when they really try!

The better we produce the better we live!

—Minnesota Timber Producers Bulletin

THE WORLD'S MOST PORTABLE SAWMILL
"Proven in the Woods"

§ SETS UP FOR SAWING IN 30 MINUTES

§ READY TO MOVE 15 MINUTES AFTER SAW STOPS

§ CAN BE TOWED BY TRUCK AT 45 M. P. H.



JACKSON LUMBER HARVESTER

A real aid to good Forestry practise, the Jackson Lumber Harvester makes selective cutting practical. A precision-built one-piece machine that requires no costly dismantling or reassembling. Only one skilled man is required. The sawyer rides the carriage and can see and control the entire operation and cut to higher yield per log, fewer mis-cuts. The Jackson Lumber Harvester manufactures accurate lumber at 5 man-hours per 1000 board feet. No slab or sawdust disposal expense. Costly loghauling virtually eliminated. Feature by feature, it actually excels mills costing 3 times as much — gives you bigger profits — the first new sawmill in 50 years!

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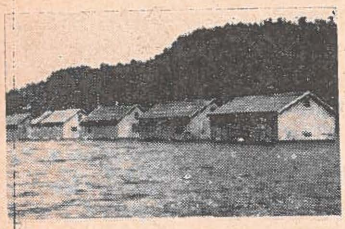


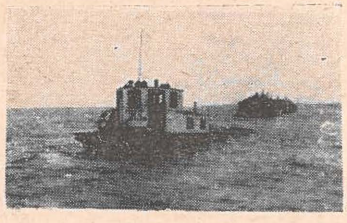
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229 College St., Toronto, Ont.





The above pictures depict the method of the Newaygo Timber Company Limited of moving portable buildings via water at their Magnet Point (Black Bay Peninsula) operations.

The buildings are built on skids and are launched by tractor and towed by alligator or gas boat for distances of from 6 to 10 miles. They are then pulled out at the new site by tractor and set up.

It is to be noted that three oil drums are placed on each side of the building for buoyancy. This method has been used successfully for the past 2 years by the Newaygo Timber Company Limited.

KEY PERSONNEL— Continued from Page 19

RIPCO TIMBER COMPANY LIMITED
Ripco, P.O. Hearst, Ont.

Adrien Provencher — Superintendent
J.-Maurice Boutin — Accountant
Leo E. Leivo — Ass't Acct

Camp No. 5
Lucien Riopel — Foreman
Bertrand Diamond — Strip Boss
Lionel Bastarache — Clerk

Camp No. 6
Lawrence Forgac — Foreman
Steve Kovach — Strip Boss
Roger Cloutier — Clerk

Bastarache's Camp
Jos Bastarache — Foreman
Aldea Bastarache — Clerk

(Continued on Page 23)

ADVERTISERS' NEWS

INTERNATIONAL HARVESTER MOBILE TRAINING M

On October 22nd the International Harvester Mobi ing Unit visited Twin City Industrial Equipment Ltd. w had cut-away models of Diesel engines, transmissions drives of International manufacture. In charge of this Unit were Messrs. Kilpatrick, Stevens and Rixman, all hig ed technicians from the International Harvester tractor Melrose Park, Illinois. The unit was contained in a 45 trailer which was coupled to an International L-180 truck

Classes were held all day on October 22nd for City Industrial mechanical staff, where they were instruct latest methods of overhauling and servicing Diesel equip

The following day, Tueday, October 23rd, was exclusively for mechanical men from Thunder Bay Di their operators. They received very up-to-date instructio newest methods of servicing and overhauling Diesel eq

Following the afternoon session a buffet dinner wa the guests, who lumbered a hundred and seventy-five.

CHAIN SAW MEN TO MEET IN NORTH BAY

I E L power chain saw dealers and distributors Canada met at North Bay, Ontario, November 2, 1951 the official opening of the new building recently cons Industrial Engineering Limited to house their eastern br is the lagest chain saw manufacturer in Canada.

Officials from Vancouver, B. C., where the head Industrial Engineering Limited is located, also met with ern men.

Mr. Ray Joy, Division Manager of the North Bay I E L, states that the branch will now give more comple to the comprehensive chain of I E L dealers and distribu eastern Ontario to Newfoundland.

The new building, with a staff of ten, covers a 3,700 square feet and will carry a full parts stock and facilities for repairs and the "running-in" of machines ing is constructed of brick and cement, and is located ner of Main and Mattawa Streets, North Bay, Ontario.

RE-ORGANIZATION ANNOUNCED FOR HUGGARD EQ

R. C. Huggard, president, Huggard Equipment C Winnipeg, has announced extensive re-organization with to give increased efficiency.



R. C. Huggard

Included in the change pointment of H. R. Shepp president and manager of department. Mr. Sheppa vice-president in charge Kipp Kelly Ltd., Winni with him a thorough kn mining and contracting He obtained his wide through his association eering and mining firms ited States, Eastern Canad his long association with Limited.

Another change is th ment of J. H. Ross formerly associated with the firm as salesman, to the vice-president in charge of industrial sales. Mr. Blanchar been with the firm since its inception 5 years ago experience and knowledge of construction with the M partment of Transport, Defence Industries, and with Brace Construction Company.

Mr. Huggard also announced the appointment of formerly with Dunwoody, Saul Smith and Co., charter ant, as treasurer. During his stay with Dunwoody Co., Mr. Parsons obtained a thorough back-ground in and auditing for industrial enterprises.

The firm's operations in the North-Western On are directed by Mr. G. A. McCormack, who has bee with Huggard Equipment since his release from the 1943.

Miss M. E. McLennan, who has been associate company for the past four years ,becomes secretary.

Huggard Equipment Co. Ltd. offer equipment for contractors, industry, mines and municipalities.

T PATHOLOGY IN ONTARIO

(Continued from Page 6)

of wood-destroying fungi. It is usual to find infections and decay in older trees.

Decays of forest trees are caused by a large number gi. White pine is attacked by at least 12 different s and poplar by not less than 16 species. Some of fungi are specific to one tree species, others are poplar stands, the large proportion of heartwood is attributable to the false tinder fungus, **Fomes ius;** in white pine stands, a white pocket rot fung- **mes pini** causes approximately 80 per cent of the loss; and in balsam fir, a red heart rot fungus, **m sanguinolentum** is the most important wood, yer.

Charts showing the age-decay relationship and the of decay on the amount of wood produced by the during 10-year periods have been constructed data obtained in a survey of poplar decays in the Pic River region of Ontario. These charts may ocured on request to the Editor.

It will be observed that, for poplar in this region, ross periodic increment increases with age to a period of sustained growth. When deductions for are made, however, a different picture is present- he **net periodic** increment (amount of sound wood ced per decade) increases slowly to a maximum, sharply falls away until at 140 years of age the nt of decay actually exceeds the amount of sound wood manufactured by the tree.

It is evident that the means of preventing serious losses from trunk rots will consist of cutting the trees at an age when decay has not yet become of economic importance. This cutting cycle is referred to as a pathological rotation. In full-scale managemtnt of a forest, information of this sort will be required for all species of commercial importance in the various forest regions. By cutting at the pathological rotation, or a shorter rotation that may be dictated by economic or silvicultural requirements, the forester is assured of recovering the maximum amount of sound wood consistent with good forestry practice.

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(Continued from Page 22)

OSCAR STYFFE LIMITED

Umfreville Operations

Superintendent — Paul Pettersen
Foreman, Camp 27A — Norman Pedersen
Clerk, Camp 27A — Bob Clarke
Foreman, Track Camp — Alvin Briggs
Clerk, Track Camp — Mrs. A. Briggs

Port Arthur District

General Operations — D. M. Healey
Mechanic Superintendent — William Hankkio
Jobber Supervisors — Fred Milenko, Allan Bishop Ray Marttunen
Rafting and Dock Foreman — Jim Gerow
Clerk & Supply Superintendent — Melvin Maki
Foreman, Camp 6, Arrow River — Nils Berg
Foreman, Camp 2, Silver Islet — Martti Leppaniemi
Clerk, Camp 2, Silver Islet — H. Danielson
Jobber, Camp, McTavish — Wainikka & Beckwick

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Mining and Lumbering Operations **Construction Work** **Wherever the Work Is Heaviest**





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WITTE ENGINE WORKS

DIVISION OF OIL WELL SUPPLY — SUBSIDIARY UNITED STATES STEEL

ANNOUNCE THE APPOINTMENT OF

Powell Equipment Co. Ltd.

115 NORTH CUMBERLAND STREET, PORT ARTHUR

AS DEALERS FOR

Witte Diesel Power Units and Witte Diesel Electric Sets for Northwestern Ontario.

Performance Proved WITTE DIESELECTRIC PLANTS Trade Mark Reg.

Brief Specifications

Witte Dieselectric Units	ADREA	ADRBA	BDREA	LDREA	CDREA	DLTEA	DOTEA
Diesel Power Units:							
Bore . . . . . inches	3¼	3¼	4¼	4¼	5	7½	9½
Stroke . . . . . inches	4½	4½	6	5¼	8	8	10
Displacement . . . cu. ins.	37.3	37.3	85	74.4	157	353	708
Overall Height . . . inches	36	36	41½	43⅝	46-13/16	47¾	48
Overall Width . . . inches	23¾	23¾	33-7/16	27	46-9/16	45⅛	50-17/32
Overall Length . . . inches	30⅝	23½	45⅛	34-15/16	52¾	70	87¾
Oil Capacity . . . gallons	3	3	1¾	3¼	2½	3	5.5
Fuel Capacity . . . gallons	5	5	*50	*50	*50	*50	*50
Water Capacity (Rad. only) gals.	2	2	2½	3½	3¼	3	4
Generator:							
Output . . . . . KVA	2.8	5.1	6.1	6.8	9.7	16	24
Voltage-General Purpose	115-230	115-230	115-230	115-230	115-230	115-230	115-230

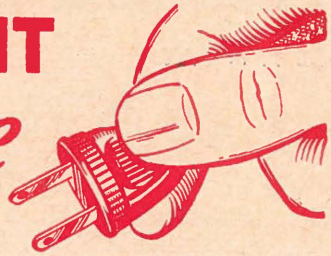


WITTE Model A
Dieselectric Unit w
mounted Radiator
constant voltage G
3 KVA 60 Cycle 1
volts - Single phas



WITTE Model C
Dieselectric Unit w
mounted condense
iator cooling. Thi
an A. C. constan
Generator. 10KVA
60 cycle - Single P
230 volts.

INDEPENDENT *Electric* POWER ...with



WITT