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NORTHWESTERN ONTARIO TIMBER OPERATORS' ASSOCIATION

LOG BOOK

JULY
AUGUST
1955

VOLUME 8 PORT ARTHUR, ONTARIO No. 4

RETURN TO
FORESTRY LIBRARY
Woods Division
Marathon Corp. of Canada Ltd.
Port Arthur, Ontario



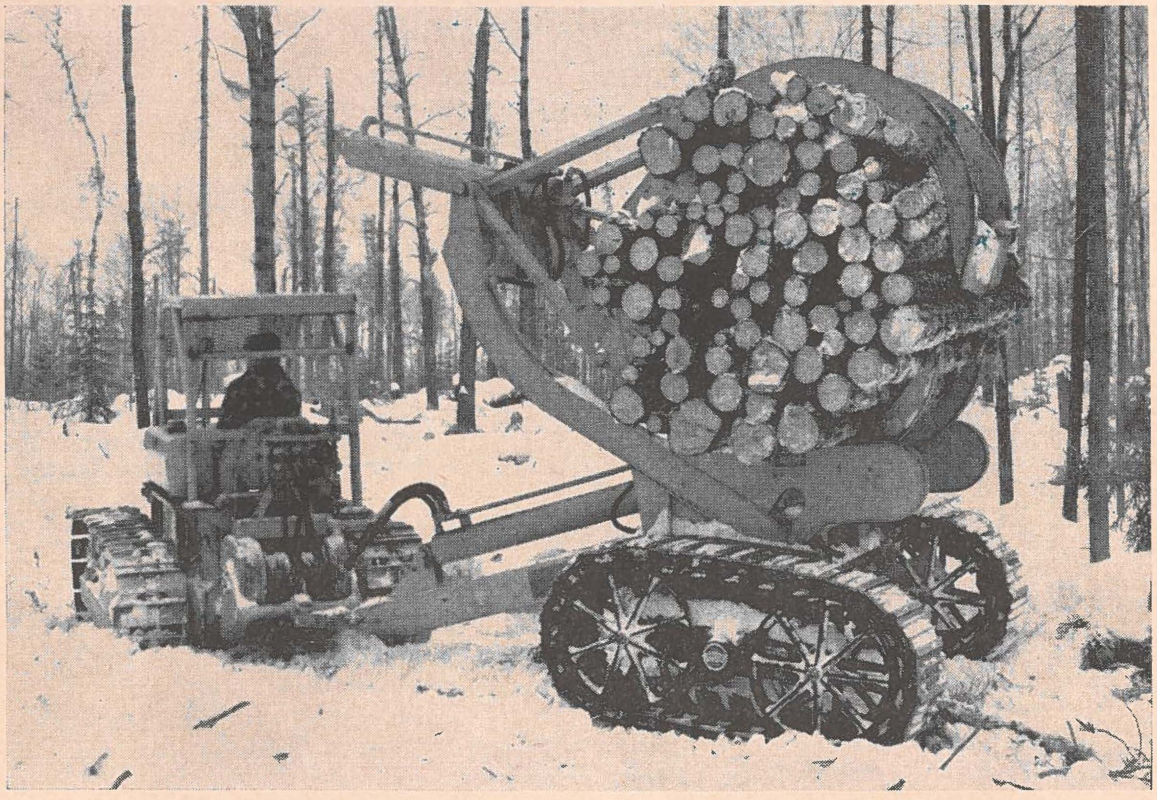


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QUALITY PRODUCTION WITH SAFETY

TWIN CITY INDUSTRIAL EQUIPMENT LTD.



Attention Timber Operators

Twin City Industrial Equipment Limited, fully realizing the necessity of lowering the cost and increasing pulpwood production, are happy to introduce a brand new pulpwood skidder known as the Wood Hawk, (a hydraulic sulky). We will have this Wood Hawk available for demonstration until mid-August, and would appreciate hearing from each and every one of you.

TWIN CITY INDUSTRIAL EQUIPMENT LTD.

LOGGING — INDUSTRIAL — CONSTRUCTION — MUNICIPAL and MINING EQUIPMENT

OFFICES AND SHOPS — 915 MEMORIAL AVE. PORT ARTHUR, ONTARIO

NORTHWESTERN ONTARIO TIMBER OPERATORS' ASSOCIATION

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M. MACLAGGAN H. S. MOSHER W. THOM
Secretary-Manager — R. A. Hallonquist

Published by
Northwestern Ontario Timber Operators' Association

Edited by
R. A. Hallonquist

RETURN TO FORESTRY LIBRARY
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Port Arthur, Ontario

President's Message
"The Manager"

In our last issue we paid tribute to "Tommy" Jones upon his joining the Dryden Paper Company.

It seems fitting that we should now hear something about our new Manager, Russ Hallonquist.

Russ brings to his new job a wide variety of experience which should prove very helpful to him as he undertakes the running of our three associations. Russ has had some newspaper publishing experience. He served in the last war with R.C.A.S. Corps and fulfilled a variety of administrative and active posts on active service and was eventually discharged with the rank of Major in 1946 and was decorated for his services.

After the war, Russ joined the staff of Brompton Pulp and Paper Company as employment supervisor and was responsible for Labour Procurement, Labour Relations and allied statistical work. He was active in accident prevention programs and was active and in attendance on Industry-wide labour problems and negotiations.

During his residence at Nipigon, Russ was active in community affairs, having served as Chairman of the Nipigon Hydro Electric Commission; President of the Nipigon Branch of the Canadian Red Cross Society; Chairman of the Town Planning Board; Secretary of the Hospital Board and served as Reeve of Nipigon for two terms.

Much of the experience Russ has had in the past will suit admirably for his new post. However, it is understandable that it will take a while until he picks up all of the threads of the varied work of our associations. In short order, we know that Russ will fill our needs and we are sure that all members will join in wishing our new Manager every success as he takes up his work on our behalf.

H. H. "Bert" Styffe.

Safety Conference Planned

Sponsored jointly by the Lumbermen's Safety Association and the Ontario Pulp & Paper Makers' Safety Association, a safety conference will be held in Fort William, Ontario on Wednesday, September 21st, 1955.

It is expected that more than 200 delegates will attend, representing pulpwood and general logging operators in Ontario.

This first all-Ontario Woods Safety Conference will be packed with interesting activity and should be of vital interest to every woods operator in Ontario.

MAKE YOUR RESERVATION EARLY!

COVER PICTURE — Devestation By Fire — This is the result of a fierce forest fire near Nipigon in 1949. It is still a scorched area with little or no regeneration since.

In Honour of T. S. Jones

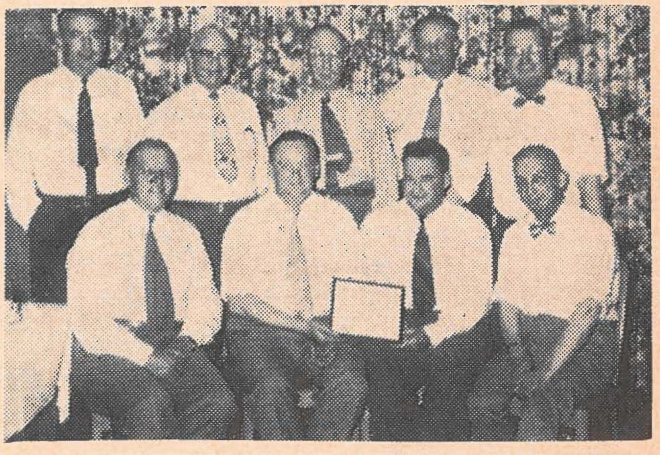
Following a special meeting of the Northwestern Ontario Timber Operators' Association in mid-June, T. S. (Tommy) Jones was honoured by members of the Association for eight years' service as Secretary-Manager of the Northwestern Ontario Timber Operators' Association and its predecessor, the Thunder Bay Timber Operators' Association.

At a dinner tendered by members of the Association, Tommy was presented with a Peterborough boat (to go with a motor he already had), a Certificate of Merit and a gift for Mrs. Jones. H. H. (Bert) Styffe, president of the Association was chairman of the dinner which was held at the Port Arthur Golf and Country Club.

Among those who paid tribute in speeches to the work done by Mr. Jones for promotion of forest fire precautions, safety in the woods, tree farms and other worth-while projects were: A. J. Auden; D. A. Clark; R. J. Prettie; E. Lorne Goodall; Malcolm Cochran and H. S. Mosher.

Messages of best wishes to Mr. Jones on his retirement from the Association to take an executive post with Dryden Paper Company Limited were received from Hon. Clare E. Mapledoram, Minister of Lands and Forests; C. B. Davis and C. R. Mills, Ontario Forest Industries Association; Hon. W. Earl Rowe; Julian Merrill; Wallace Delahey; Al Buell; Ben Avery; Harold Burke; Gordon Godwin and Fred Flatt.

Among the guests introduced by Mr. Styffe were: T. E. Mackey, Chief, Division of Forest Protection, Department of Lands and Forests; J. Barron, Regional Forester; R. Hyslop, District Forester; Roy Potts, Lumbermen's Safety Association and John Campbell, M Sc. (F) of the Lakehead Technical Institute.



DIRECTORS HONOUR "TOMMY" JONES

T. S. Jones, second from the right, front row above, who resigned recently as Secretary-Manager of Northwestern Ontario Timber Operators' Association, is presented a Certificate of Merit on behalf of the Association. Directors above, Back Row, from the left are M. MacLaggan; H. S. Mosher; M. Cochran; A. M. Jones; D. E. Graham. Front row, from the left are R. A. Hallonquist, new Secretary-Manager; H. H. (Bert) Styffe, President; T. S. Jones; P. V. LeMay, Vice-President.

STAFF CHANGES

Effective July 1, E. J. Johnston, forester of the Owen Sound Office of the Department of Lands and Forests was transferred to Fort Frances District as Reforestation Supervisor. Mr. Johnston will take over the supervision of the expanding planting program on Crown Lands in the District. Mr. Johnston will also be prepared to assist in farm wood-lot management work and the establishment of Municipal Forests in the Western section of the District.

What About Our Fire Prevention Posters?

By Bruce Thomson

Did you ever hear the story about the two cruisers who started up the river, and after a long portage arrived at the area in which they were to work? Their pride and joy that summer was a brand new silk tent and they were very careful to pitch it just right, with the guy ropes just so, the stove-pipe carefully secured, a spark-arrestor on the pipe and so on. After a good night's rest and a hearty breakfast they were starting out to work and one fellow was tying up the door of the tent when the other fellow stopped him saying, "Leave it open and then if a bear comes along he won't rip the tent up trying to get in". Naturally an argument started. However, the bright boy won and the tent flaps were left open.

After working all day the two stalwarts returned and sure enough the tent was still up, looking very neat and trim, in spite of the numerous bear tracks all around it. The bright boy of course pointed this out saying that it was obvious that a bear had been around but because the tent was open he hadn't damaged the tent. The lad then walked up to the tent door, startling the huge bear that was in the tent. The bear took one look at him, let out a roar and dove through the back of the new tent, tearing it all to shreds.

This is the end of the story as it is told but I would like to go on from there. The two men salvaged what was left of their belongings, slept out that night in a drizzling rain, ate a soggy breakfast and started down the river to the main camp to get another tent. Tired wet, hungry, dejected and feeling sheepish, they struggled over the long portaage. As they were about to put their canoe in the river at the bottom end of the portage they saw a large poster nailed on a tree. What was it? Well of course it was a picture of a large bear reminding them to "Prevent Forest Fires." Boy — the way they felt they would gladly have burned down the whole country just to get rid of one particular bear.

This is the point I would like to make. For years now, we who work in the woods have been bombarded with "Prevent Forest Fire" messages by an assortment of wildlife. The camp recreation rooms, the cutters' walking trails, and the cruisers' portages have all, at various times, had bears, deer, squirrels, beavers, bluejays, fish, and probably others that I have missed, shouting at us to "Put Out Your Camp-fire", "Use A Cigarette Lighter;" etc., etc.. All that remains now is for someone to design a poster with a large mosquito humming a "Prevent Fire" message and we will have completed a cycle of animals, birds, insects and fish, giving us a "message", except for the black-flies and I believe that they are mute so they don't count. These creatures of nature are fine in their place. To the people who live in the cities they may be considered cute and the messages they proclaim are interesting and carry weight. They don't like to think that they may be the cause of depriving all of these likeable little animals of a home, security and food. Be that as it may, the animals may have a loud voice to the city folks but to the engineer trying to build a truck road, only to have it flooded day after day by beavers building a dam, to the camp cook who has a bear wreck his meat-house every night and to the cruiser who has squirrels getting into the oatmeal every day, the voices of these "cute" little fellows don't get much sympathy.

I would like to suggest a new approach to fire prevention posters for use in the woods. Let's have a real live person on the posters reminding us of our fire prevention duties. What kind of a person? Well, just walk into the camp bunk-house and study the pictures on the walls. Take a peak into the clerk's office and study his calendar collection. Sit outside a cruiser's tent in the evening and listen to the learned discussions. What is on the bunk-house walls, on the clerk's calendar? What are the cruisers discussing far into the night? You've got it! Girls, girls and more girls. Tall ones, short ones, coy ones, sultry ones, hot ones, cool ones, blondes, brunettes or red-heads — they know them all.



Wouldn't it mean much more to us in the woods to start out in the morning reminded, by a luscious smiling red-head, to "Sit Down To Smoke"? Wouldn't a cruising gang be much more impressed on hitting a portage, to see a life-size 'babe' coyly inviting them to be sure that their cooking fire is properly out before starting out in the morning? Sounds intriguing, does it not?

Let your imagination fly for a minute as you think of the immense proportions of the idea. For instance, a nation-wide beauty contest to select "Miss Slow Burning of 1955" who would then have her picture grace the 1955 fire prevention posters, make a tour of the camps singing little "Fire Prevention ditties"

(Continued on Page 17)

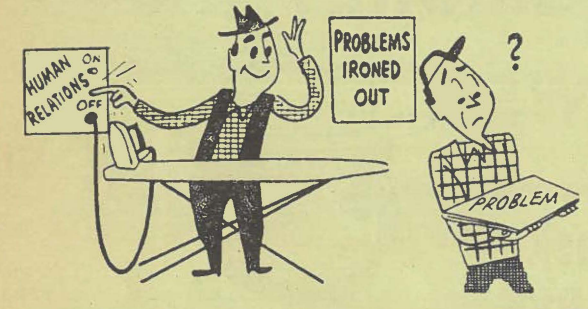
the Supervisor's Strip

★Human Relations — FOLLOW-THROUGH

WHEN IS A PROBLEM REALLY SOLVED?

The Chinese custom has been to pay the doctor a regular fee as long as the patient stays well. Payments stop whenever there is illness and until recovery is complete. Doing things backwards? Perhaps. But the practice has fostered continuous attention to the patients' good health.

In our own dealing with people on the job, is "human relations" something we turn on and off when problems arise? Or, are we trying to foster continuous sound relationships? Too often, when a problem arises, the urge to "solve it" and "get it out of the way" leaves some important "unfinished business" in our long-run relationship with employees. Reaching a decision about what to do in a problem case is only one step in its solution. Equally important — sometimes even more important — are the steps a supervisor takes to put the decision into effect and to see that it is working out, later on.



*** Trying to decide what the real question is in any problem is often more difficullt than the solution of the problem. Supervisors will find that it pays to take time for a thorough, systematic analysis of the problem and then to arrive at a decision, only after consideration of all possible courses of action.**

*** When you are on the job, you live in a glass house. Your employees see more than you realize and look upon everything you say or do as planned and meaningful. A supervisor's most casual remarks and his mannerisms may appear to the worker to have deep significance.**

A Human Relation Problem Is Really Solved

When—

—Necessary policy decisions or revisions have been made

—People involved become identified with and "accept" the solution, however "unpopular" it may be

—Decisions have been reached and communicated to all concerned

—The solution is consistent with other actions taken in the past

—The man knows and understands the outcome

—The man feels he has received fair treatment

—Embarrassment to individuals or groups has been avoided

—All promises and commitments made have been carried out

—The supervisor has taken steps to prevent a recurrence of the difficulty

—Adequate record has been made of the disposition of the case

—The supervisor has checked back frequently and is convinced that the corrective action has really solved the problem

—Any employees involved feel satisfied that the problem is really solved.

This is a big order. Some might say, "We'd never solve a problem if all those conditions had to be met." But, perhaps, in the bigger sense, human relations problems are never really "solved," if we mean by "solved" that there comes a time when no further attention is needed. Sound man-to-man dealings require continuing attention and follow-through, not just brief consideration and quick decisions when crises arise.

***PREPARE YOURSELF**

Talking with an employee about a fault or weakness is difficult. Yet, it is an essential part of every good supervisor's job. See if you get better results by going into your next interview more fully prepared for what you are to say, or what he might say.

ITEMS MARKED ★ ARE RE-PRINTED WITH PERMISSION BY; "MANAGEMENT INFORMATION FOR FOREMEN AND SUPERVISORS"

Published by Elliott Service Company, Inc., Mt. Vernon, New York, U.S.A.

DISTRICT SAFETY MEETINGS

WOODS BRANCH AT DRYDEN

Pulp and Paper Makers' Safety Association

Dryden Paper Company Limited were hosts to the Northwestern (Woods) Branch of the Ontario Pulp and Paper Makers' Safety Association when it met on May 25th.

Mr. N. McMillan, Woods Manager, welcomed the participants on behalf of his company.

During the morning session the chairman, Mr. F. L. Stevens, called on each company representative for a report on safety highlights on their own operations during the past year and any suggestions that they might have. A number of companies suggested that some steps should be taken by the manufacturers of power saws to reduce or eliminate the exhaust noise—a factor which had contributed to a number of serious accidents.

Mr. D. B. Chant, Secretary-Engineer, Ontario Pulp and Paper Makers' Safety Association reported that during the last half of 1954 the Class 2 (Pulpwood) accident frequency rate had improved in comparison to the last half of 1953, and that the first quarter of 1955 had shown an improvement of 20% over the same period for the previous year. However, the cost figure was not too good, mainly due to carry-over of accidents occurring in 1954 but not settled until 1955. A very important safety feature, he added, was that hard hats had saved the lives of 12 workmen in 1954 in Class 2.

During the afternoon session talks on "My Part In Safety" were given by a logging superintendent, a supervisor, a clerk and a workman. The first speaker in concluding his talk, stated that foremen and workers should accept and preach safety "not because I have to — but because I want to". The workman pointed out that he always took pains in planning his work in a safe manner and that he always wore his hard hat while on the job. He explained about his own experience when a top of a tree struck his hard hat, the headwear thus saving his life. He added that he believed every woods worker should wear a safety hat.

"Hazards of the Drive", were outlined in a short talk by Mr. N. McMillan, Woods Manager, Dryden Paper Company Limited. A similar talk on "Hazards of the Tow" was given by Mr. D. R. Stevens, Assistant Woodlands Manager, St. Lawrence Corporation Limited.

During the dinner session, Turtle Club Membership Certificates were presented by Mr. Chant to Joe Symak and Dave Dunning, whose lives had been saved by wearing hard hats. Membership includes certificate, lapel button and a new safety hat. Both men were employees of Ontario-Minnesota Pulp and Paper Company Limited, Kenora Division.

HERE LIES A MAN . . . .

He swung his axe without a thought—above his head a limb it caught.

The axe came down beyond control—that is the story the coroner told.

Beware, ye bushmen. Think, then do—or this may be the fate for you-

To Tramp Out Fires . . . .

HUSKY and SMOKEY

JOIN PAWS





. . . And ask YOU TO PAUSE

BEFORE BEING CARELESS

Obey the Forest Fire Safety Rules.

STOP, AND SIT DOWN TO SMOKE.

SMOKE HAND-ROLLED CIGARETTES.

USE SAFETY LIGHTERS.

USE VACUUM BOTTLES.

USE YOUR CAR ASH TRAY.

HUSKY OIL & REFINING LTD.

LAKEHEAD DIVISION **FORT WILLIAM, ONTARIO**

Refiners and Marketers of Quality Petroleum Products

DISTRICT SAFETY MEETINGS
LUMBERMEN'S SAFETY ASSOCIATION

A local district meeting of the Lumbermen's Safety Association, Northwestern District, was held in Sioux Lookout late in May.

Mr. P. Scollard was chairman of the dinner meeting which was attended by approximately 50 logging and sawmill operators as well as a number of Department of Lands and Forests officials from Sioux Lookout.

An interesting report was given by Mr. G. R. Potts, district field representative of the L. S. A., which will be printed in the next issue of the LOG BOOK.

Mr. R. I. Young, Chairman, Northwestern District Accident Prevention Committee gave an outline of the work the committee was doing and he strongly recommended that the Sioux Lookout local district form their own Accident Prevention Committee as soon as possible. Mr. E. H. Reeves, General Manager of the Lumbermen's Safety Association, whose topic was "Our Safety Problem" was the main speaker of the evening. He outlined the cost of medical aid and compensation for the first four months in 1955 as compared to 1954 in the three Classes — heavy logging, sawmill and pulp wood logging giving the following figures:

Class	1954	1955
010 (logging)	$258,122.63	$311,538.69
011 (sawmill)	188,812.03	144,744.35
013 (pulpwood)	173,640.84	140,841.44

Doctors Bell and Mitchell who were also in attendance, spoke briefly of their experience in the woods and recommended that as many men as possible be trained in First Aid.

At the district meeting in Ear Falls, Mr. H. McCallum, Manager of Chukuni Lumber Company acted as chairman, at which over 50 persons attended.

Addresses were delivered by Mr. G. R. Potts and Mr. Reeves of the Lumbermen's Safety Association. Initial steps were taken to form an "area Accident Prevention Committee".

At a meeting in Fort Frances late in June another District Accident Prevention Committee was formed. Mr. N. Golder was named chairman and Mr. McEvoy, secretary. A further meeting was held in July to complete the membership of the committee.

TIMBER MANAGEMENT FORESTERS VISIT U. S.

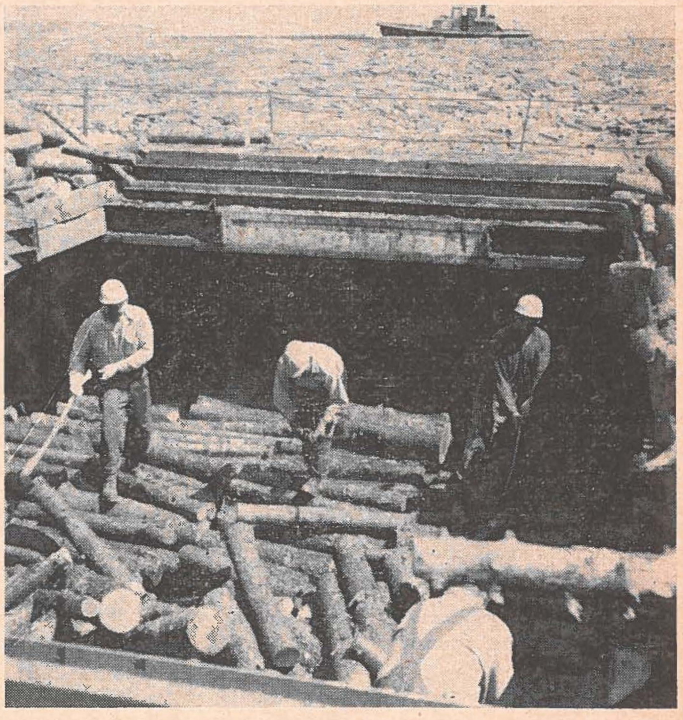
Recently, Timber Management Foresters from the Western Region, Department of Lands and Forests, visited the Chippewa National Forest in north central Minnesota.

As extensive parts of the forest have been under intensive management for many years, the visit was extremely informative and interesting. Within the forest, concrete evidence existed proving that scientific care of the forests will result in added wealth and benefit to all. Here, our southerly neighbours, have shown that forest conservation is a practical program, with the ultimate objective being to make maximum use of the forest in perpetuity.

THREE CAUSES OF ACCIDENTS

— "I didn't see!"
— "I didn't think!"
— "I didn't know!"

Hard Hats on the Job



Above is pictured a boat-loading operation of Oscar Styffe Limited showing that workers wear hard hats while on the job by direction of the company. Another requisite in this operation is that these men wear safety footwear. Since this headgear has been in use, one employee slipped on the wet wood striking his head against a steel beam with sufficient force to crack his hard hat. Had he not been wearing a safety hat this man would have been severely injured.

COLLINS

SAFETY COLLINS SHOES

SAFETY SHOES
LIMITED

ANNOUNCEMENT

Our Lakehead Safety Shoe warehouse will be open for business Friday (all day) and Saturday 'til 1 p.m. In the early part of the week our Mobile Units are serving industry throughout Northwestern Ontario.

COLLINS SAFETY SHOES LIMITED

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194a S. Algoma Street
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Phone 4-5051

Announcing . . .

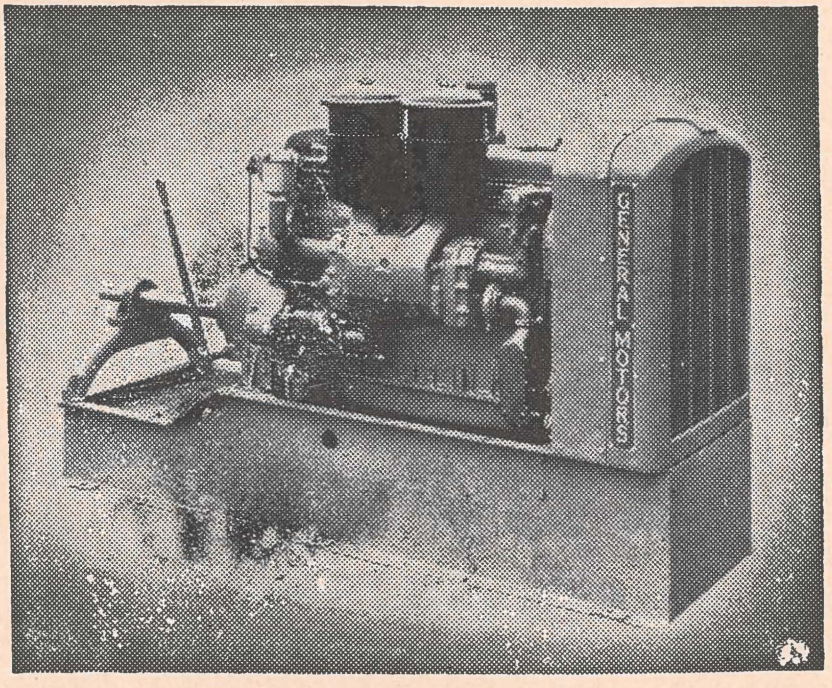
GM GENERAL MOTORS DIESEL POWER

G. H. GODSALL EQUIPMENT LIMITED

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GENERAL MOTORS DIESEL

DISTRIBUTOR



MARINE MOTORS

POWER PLANTS

GENERATING SETS

By recent appointment, G. H. GODSALL EQUIPMENT LIMITED are now Sole Distributors for G. M. DIESEL INDUSTRIAL AND MARINE ENGINES for Kenora, Thunder Bay and Rainy River Districts in in Northwestern Ontario.

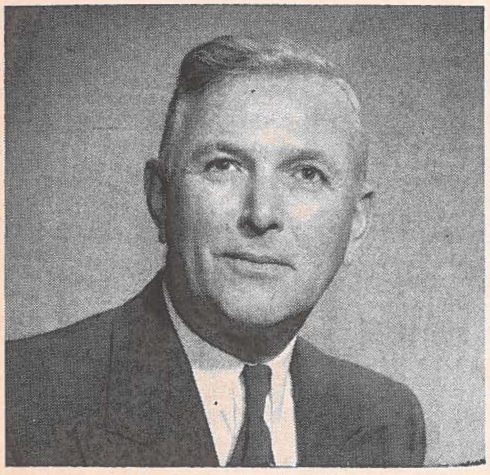
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G. H. Godsall Equipment Ltd.

221 Bay Street Telephone 59268 56752 **PORT ARTHUR, ONTARIO**

Equipment for Loading, Hauling and Grading Earth, Ore and Rock

W. C. B. Transfer



HARTLEY E. CLAYTON

The three-member Workmen's Compensation Board announced the appointment of Hartley E. Clayton as Lakehead district representative.

Mr. Clayton succeeds Mr. Frank Denison who has been named representative for the Windsor district office soon to be officially opened. Assistant Lakehead district representative George Storey, WCB employee for the past six years will continue in his official capacity.

No stranger to the Lakehead district, "Hart" Clayton served the Board as an auditor in the Thunder Bay, Rainy River, Kenora and Patricia districts for 16 years.

He brings to his new position a wealth of experience and knowledge in compensation gained as a Board employee over the past 25 years.

Born and raised in Toronto, Mr. Clayton received his education in public and high schools there.

Married, Hart Clayton is an ardent photographer and fisherman. His chief hobby, according to Mr. Clayton is, "workmens' compensation."

On the occasion of his appointment, Mr. Clayton said that he wishes to extend a "standing invitation" to "all interested groups and individuals" to drop into the Lakehead district office at any time for information or other help in workmen's compensation matters.

Computing the Fire Hazard

"High Forest Fire Hazard", — too often reported in Ontario's forested areas at this time of year, often raises the question in southern agricultural areas: How is the fire hazard computed and determined so that appropriate measures may be taken to meet it?

District Forester R. B. Dickson, Gogama, sums up the constituents that go to determine the extent of forest fire danger, day by day, in procedures followed by forest protection officers of the Ontario Department of Lands and Forests.

"A number of factors are taken into consideration," he explains. They include the amount of precipitation, the precipitation interval, the relative humidity, the wind velocity, temperature and the herbaceous stage. Breaking down each of these factors, we find that each is of importance.

"The amount of rainfall indicates just how wet our forests are. After heavy rains, the swamps are full, the dead foliage, branches, lichens and mosses on the forest floor are soaked with water, and the growth of green plants which do not readily burn is accelerated. After light rains, the amount of moisture in the forest does not reach any great extent and fires possibly could burn.

"The precipitation interval indicates the number of days without rain, and, as the number of days increases, the drier and drier the forest becomes.

"The relative humidity also affects the hazard ratings. When the air is wet and humid, the moisture in the forest will not evaporate as readily as on dry days when the humidity is low. Thus, the relative humidity either slows or accelerates the drying of the forest.

"Wind velocity affects the hazard in several ways. Stronger winds cause more rapid evaporation and drying. That they also cause fires to burn faster is taken into consideration.

"Temperature affects the hazard rating because warm air will hold more moisture than cool air. This applies in conjunction with relative humidity because, on warm days when the humidity is low, the air has a greater capacity for moisture through evaporation than at any other time.

"The herbaceous state on our hazard ratings indicates whether the grasses and small forest plants are green, dead or curing. Dead grasses and plants are very hazardous but, when green are of little or no danger.

"While you are in the woods, try to observe all these conditions. If it has not rained for a long time, if the air feels dry, if the wind is strong, if it is very warm and if you see that the grasses and small plants of the forest floor are dead or curing you will know that the forest fire hazard is high and take every precaution. You stand on the edge of danger."

We will be pleased to give recommendations and prices on

Brantford Coach & Body Ltd.

Semi-Trailers

LOW-BED for EQUIPMENT HAULING
OPEN UNITS for PULPWOOD HAULING
or SPECIAL PURPOSE TRAILERS

Hoists and Bodies

ALL SIZES and TYPES
ANY CAPACITY

Policy: New Hoists, Dump Boxes must be obtained from your truck distributor. Parts of any kind or semi-trailers can be purchased direct.

POTTER & KERR
LIMITED

AUTOMOTIVE SUPPLIES • INDUSTRIAL EQUIPMENT

1021 MEMORIAL AVE. PORT ARTHUR, ONT.

11 Fires Attributed to Logging Operations in Northwestern Ontario

The forest fire record this season so far is the worst since 1949. As at June 30th, a total of 149 fires had occurred (this does not include Districts of Fort Frances and White River for the month of June), destroying over 16,400 acres.

Of this total of 149 fires, eleven were attributed to logging operations! In most of these cases the cause was blamed on careless workmen smoking on the job!

Breakdown of causes are:

Smokers	**17**	**Mining Operations**	**1**
Settlers	**21**	**Logging Operations**	**11**
Campers	**21**	**Road Construction**	**2**
Railways	**22**	**Prospectors**	**3**
Lightning	**33**	**Miscellaneous**	**4**
		Unknown	**10**

NEW TECHNIQUE PAYS OFF

The following was received from the Geraldton District.

During a week of extremely hot weather (first week in July) only broken by occasional thunder storms, we have had three more fires. All three were due to lightning and all were put out before they reached any size.

At the fire in Pays Plat Division, near Owl Lake, the latest in equipment and techniques was put to good use. Under instructions from the fire boss on the ground via a walkie-talkie, a cooked meal and drinking water was parachuted to the hungry and thirsty fire fighters. The drop was successful, even though the container landed on a rock, the same rock that the fire boss with the portable radio was standing on. Presumably he ducked.

The same fire demonstrated the value of the new fire line hose, as it was in an area where no water was available. The Chief Ranger has since put in an order for a large number of them.

ANGUS

MARSHALL

Streamlined

Forestry Hose

Marshall, the smooth bore hose, gives you two to three times the water at the nozzle.

Diameter	Weight per 100'	Bursting Pressure over	Diameter of Coil
1½"	14½lbs.	600 lbs.	18" cpld.

Sold By

GEORGE O. HILL SUPPLY CO.

FORT WILLIAM

Timely Hints for Fire Crews

KNOW YOUR WATER HOLES

On one fire which broke out this Spring, the first crew set up the pumps at a small lake alongside the main road. This meant the laying out of a mile of hose and setting up a relay outfit.

When the second crew came up, and knew of a better hole, the foreman moved up the pumps and set them at a creek within a hundred feet of where the fire had started. This meant short hose lines, and the creek provided enough water for two pumps. BUT VALUABLE TIME HAD BEEN LOST.

Some years ago one Company Protection Supervisor marked out water holes by putting signs up along the roads, with the distance to water shown on the signs. Also he had a trail to water, so that the crew knew they would have good walking when they had to take in the pumps and hose.

LIGHTNING FIRES

Some folks say that lightning does not start fires. However, a month ago one Company crew spotted a lightning fire and promptly put it out with only an acre burned over.

The crew did good work, cleaned up the fire, but forgot one essential thing about fires — TO REPORT THEM.

As a consequence, the Company has to wait another month until the accounts for fire fighting get paid.

MAN'S BEST FRIEND — THE HORSE

The skidding horse helps out the piece maker, but does not share in the wages. However, he is content if he is fed and watered, and handled properly in the woods.

But — and this is a big but — did you know that a horse cannot be driven or led into smoke? If a fire breaks out, and the smoke covers the trail back to the barns, you simply cannot get the horse over the trail.

So watch those cigarettes and smokes, boys, for a number of balky horses in front of a fire will only add to the confusion that any fire brings along at the start.

WARNING

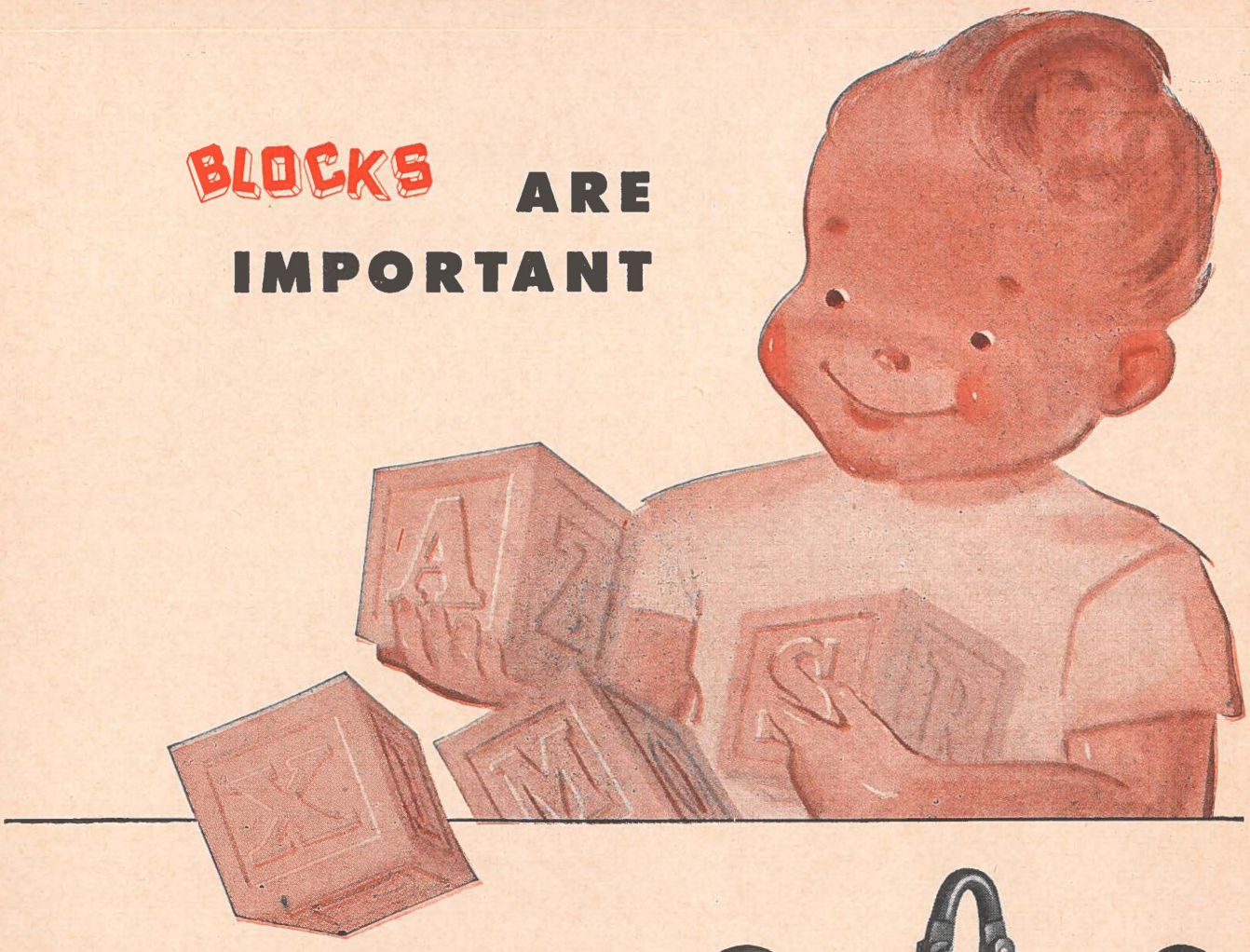
THE FIRE SEASON IS ONLY HALF OVER

INCREASED PRECAUTIONS ARE NECESSARY

BE CAREFUL - BE PREPARED

YOUR JOB depends on having trees to cut. Ensure that campers, fishermen and visitors in the woods as well as all employees understand the DANGERS of FIRE! Report immediately to your nearest Fire Warden any individual (employee or otherwise) who disregards or disobeys Forest Fire Regulations.

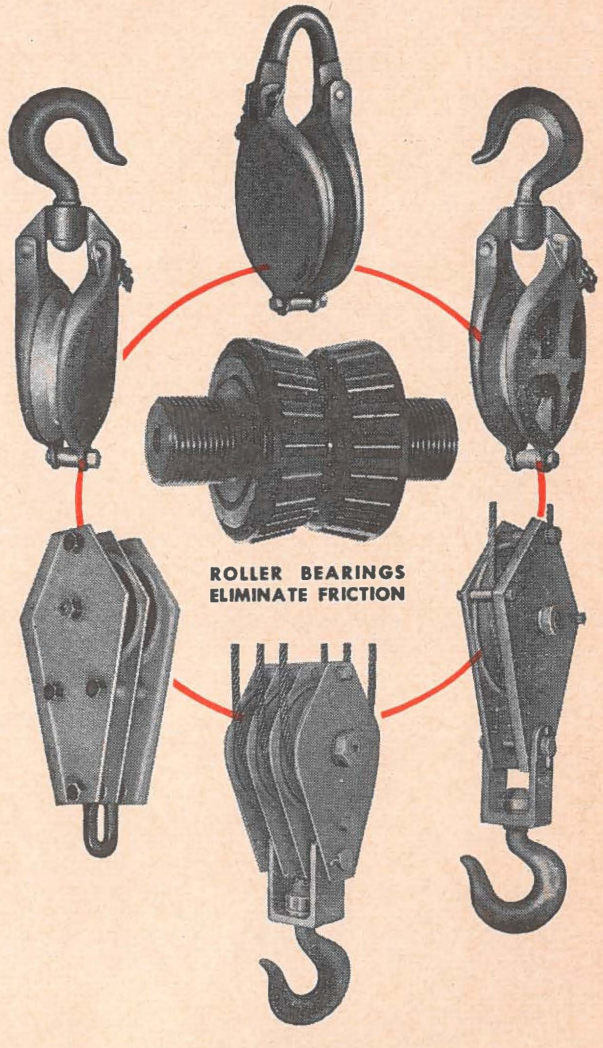
BLOCKS ARE IMPORTANT



Follow the example set by the young gentleman above who has **selected the blocks that best suit his requirements.**

Whatever **your** requirements may be, Timberland has the block that will perform the job most efficiently. All Timberland blocks are mounted on anti-friction bearings and are made from alloy steel (no cast iron is used). Sheave tracks are flame hardened and housings cup around the sheaves preventing fouling.

Let our engineering department assist you in the selection of the proper block for your equipment. Sheave sizes from 6 inches to 48 inches.



TIMBERLAND MACHINES
LIMITED

Port Arthur -:- Ontario

MECHANIZED LOGGING SPECIALISTS

The Ten Thousand Dollar Cigarette

Expensive smoking you may say. Well, the individual cigarette did not cost that much. However, four of them, or the matches used to light them were responsible for four fires.

The four fires occurred in logging areas during the high danger period of May and June. The cost of fire fighting alone was over $40,000. In addition over $20,000 worth of buildings and equipment were destroyed. Each of these fires were the result of careless smoking habits. Someone tossed a burning butt or a smouldering match into dry ground.

Fortunately, good fire fighting work showed results in only a small loss of standing timber. Much of the timber that did get burned can be salvaged in the normal course of operations. However, the scanty moss covering the rocky areas and the good second growth, that would have provided a good stand of timber to cut within a few years, has been destroyed. It means a great deal longer now before this fire-scarred land will again be a productive forest.

As a result of the investigation into the origin of these fires, tighter controls on smoking habits are being enforced in company areas. Men found smoking in areas where they should not, are subject to dismissal. Pack pumps filled with water must be on hand in all areas where men are working. Various other checks are to be made.

Early in July a change in the weather occurred, and the woods were not as dry as they were during most of June. However, a few days of hot, dry weather would again cause the dangerous conditions where a match or a cigarette can start a $10,000 fire.

YOU and ALL THOSE WORKING IN THE FORESTS CAN HELP PREVENT FIRES. PREVENTION OF FIRES IS THE BEST WAY TO FIGHT FIRE AND DOES NOT COST NEARLY AS MUCH IN TERMS OF WORK OR MONEY.

—o—

Effective Team-work

During the present fire season, inter-district co-operation between the various districts of the Ontario Department of Lands and Forests has been very much in evidence. Likewise, close liaison and provision of fire-fighting equipment by industry to the Department has been very apparent.

Around the end of May the Port Arthur district received an urgent call from the Chapleau district for loan of equipment. The staff at Port Arthur loaded and shipped over 4 tons of equipment the same night and their plane was sent the following day.

A day later, several fires caused by dry lightning broke out in the northern part of the Port Arthur district in hard to reach areas. A call to Western Region brought in sufficient equipment the next morning from Kenora district. Three additional aircraft, one each from Kenora, Fort Frances and Geraldton rendered assistance as did a helicopter from the Hydro Commission.

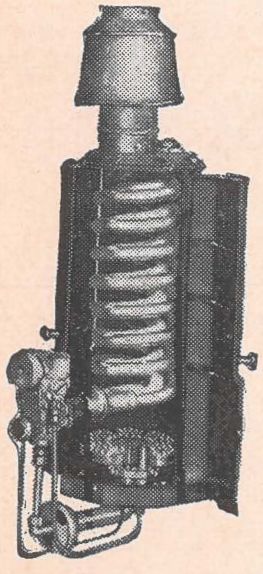
—o—

While Europeans first came to Canada not quite five hundred years ago, it is believed that the native Indians came into the country about fifteen thousand years ago.

Though Canada is one of the world's leading trading nations, Canadians themselves consume more than eighty per cent of what they produce.

—Quick Canadian Facts

The Facts Say:



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A Size for Every Need

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See us also re conversion burners for camp steam baths.

USE PROPANE INSTEAD OF WOOD.

Also available: Propane Truck and Tractor Engine Heaters

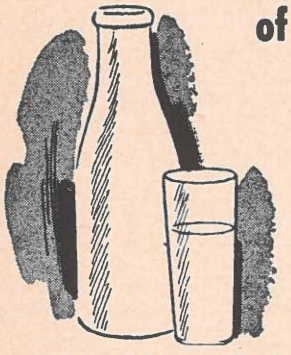
WRITE, PHONE or WIRE

NORTHERN PROPANE GAS CO. LTD.

BOX 325 **FORT WILLIAM, ONTARIO** **PHONE 2-5318**

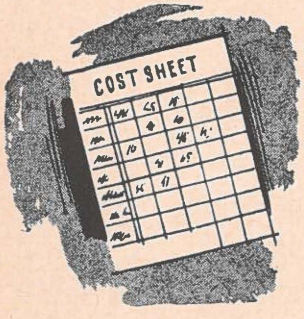
Why Borden's Trumilk is the Ideal Milk for your Camp

1. All the food value of fresh whole milk!



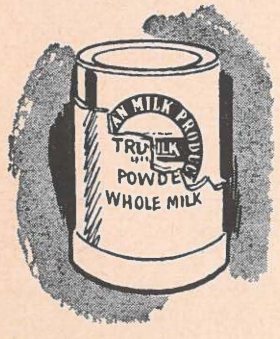
TRUMILK is a powdered whole milk which includes *all* the cream, all the protein and other nutritional value of finest fresh, whole fluid milk!

2. Costs as low as 53¢ a gallon!



Yes, here's delicious whole milk, ready to use **anytime** for as low as 53c a gallon . . . a real saving on your milk bill, especially where large quantities are used. Further saving: there's **no waste** . . . you make up **only** as much as you need **when** you need it!

3. Double-vacuum-sealed for camp use!



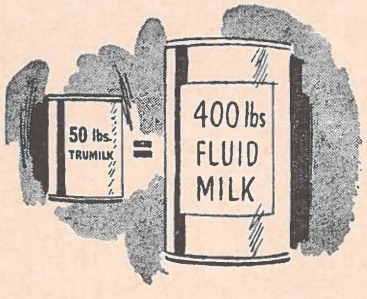
Heavily protected with an outer plywood drum, the inner vacuum-sealed metal container protects freshness of Trumilk *indefinitely!* Also has inner friction-top cover to protect contents after seal is broken.

4. For drinking, cooking and every other milk use!



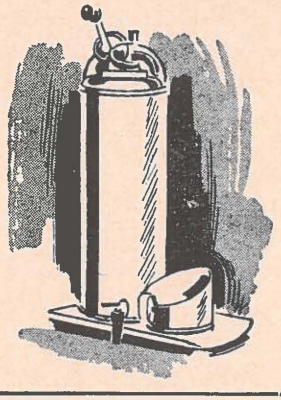
Just add TRUMILK to cold water, mix, and in a jiffy, you have milk ready for drinking. TRUMILK is excellent, too, in soups, puddings, and all baked goods. Can be mixed dry with dry ingredients for cooking convenience.

5. Easy handling—less weight—no freezing!



TRUMILK (whole milk powder) is only ⅛ the weight of fluid milk. This cuts transportation costs to the minimum ...makes handling easier. Under seal, TRUMILK keeps perfectly in summer heat or below zero weather . . . indefinitely.

6. Fluid whole milk in a jiffy!



Now you can mix TRUMILK in any quantity with Borden's new effort-saving hand-mixer. It's a 3-in-1 mixer: (1) mixes (2) stores (3) dispenses. Mixer available AT COST in 2½ gal. capacity. Order from your nearest distributor.

THE BORDEN COMPANY, LIMITED.

DRY MILK DEPARTMENT, Spadina Crescent, Toronto 4, Ontario.

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McKENZIE, STEPHENSON LIMITED
345 Higgins Ave.,
Winnipeg, Manitoba

Harvey & Company Limited
St. John's, Nfld.



Forest Travel Permits

Prosecutions for infractions of the Forest Fires Prevention Act are relatively rare in the Geraldton District, but a case in Schreiber court in June proved that the law has teeth. A prospector from Schreiber was the only person in the Prairie Lake area at the time a 60-acre fire started there, and this prospector had neglected to provide himself with a travel permit. Although it was believed that he was responsible for the fire, this could not be proved so he was charged under Section 9 of the Act, being in a Travel Permit area during fire season without a Travel Permit. He pleaded guilty and was assessed the minimum fine of twenty-five dollars with ten dollars costs.

Forest Travel Permits may seem to be a nuisance to some people although the Department of Lands and Forests try to make them as easily obtainable as possible, but this case shows another reason why every person travelling in the woods should obtain one.

OLDEST LIVING THING IN THE WORLD

Described by the United States Forest Service as the "oldest living thing in the world" is the gigantic tree "General Sherman" in the Sequoia National Park, California.

This giant among trees is estimated to be around 4,000 years old and rises to a height of almost 300 feet. It is 36½ feet in diameter at the ground and the bole of the tree is estimated to weigh 3,000 tons.

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BOX 199 BEARDMORE PHONE 101

QUIET - PLEASE!

MAXIM SILENCER FOR CHAIN SAWS

At a recent meeting of the Southwestern Technical Committee of the American Pulpwood Association, the subject of silencers for chain saws was brought up.

Concern was expressed about possible impairment of hearing on the part of the user resulting from the operation of power saws continuously over a long period of time. Also, there is the ever present safety hazard to co-workers who are unable to hear the traditional warning cry of a man felling timber with a power saw.

The Maxim Silencer Company of Hartford, Connecticut, has been working on a silencer attachment to the exhaust which will subdue noise level sufficiently to make the saw a safer operating tool, yet without reducing efficiency of the motor. It is compact and does not interfere with the operation of the saw. It reduces the exhaust noise to a level enabling two men to carry on a normal conversation within a distance of four to six feet from each other. The reduction in the noise level has been made possible without causing any loss of power under actual operating conditions.

It appears as though these silencers will sell for a very low cost and should manufacturers of saws adopt the silencer rather than their conventional mufflers the additional cost to the sale price of a power saw would only be raised an incidental amount.

Keep Safety Alive In '55



NORTHERN ENGINEERING & SUPPLY COMPANY LTD.

FORT WILLIAM ONTARIO

ONTARIO PAPER COMPANY READY TO FIGHT FOREST FIRES

The official fire season extends from April 1 to October 31. During these seven months the frequency of big forest fires is highest from mid-May to mid-June. Forest fires can spread to disastrous proportions any time the forest fuel is dry enough to support combustion. In Ontario Paper Company's Heron Bay area, this is from early May to mid-October.

There will be two 110-man cutting camps open during the first half of the summer, and in addition, this year, a new watershed has been opened for river driving. This is the Manitouwadge-Kaginu water system. Wood cut from this area during the winter's C.P.R. and C.N.R. right-of-way clearing operations will be driven to Agonzon Lake and thence down to the Black River at Camp 51, then 60 miles to Heron Bay.

Each Ontario Paper Company cutting camp has a company fire ranger who sees that the forest fire rules are observed. These rules are:

1. No tailor-made cigarettes.
2. Sit down to smoke.
3. No matches — use a lighter.
4. No free-burning cigarette papers.
5. No lunch fires — use a thermos.

The ranger keeps a shovel, and a pump filled with water, not more than 300 feet away from where each cutter is working. Power saw operators have with them a one-pint carbon tetrachloride pressurized fire extinguisher.

In case of a forest fire, general superintendent Ted Summers, and woods superintendent George Genge, direct the men on the fire. Camp foreman Will Schure, of Camp 50, Johnny Bulat of Camp 53 and John Antoniuk, of the river drive, take charge of crews on sections of the fire line. Fire rangers Henri Monzarelle and Leon Lapointe act as pump operators. Chief Ranger Ed. Little, keeps fire equipment in shape and sees that it is correctly placed on each operation on the limit. He makes frequent tests on the two Hale V8 4-inch pumpers and on the front mounted pump on the fire jeep, as well as on the 8 Wajax water-cooled pumps. He also looks after 5 miles of fire-hose, 300 hand pumps and 50 Pyrene extinguishers and inspects camp buildings and chimneys.

Heron Bay had no company-caused fires last season, but company personnel were called out to extinguish:

1 survey-party-caused fire
1 lightning fire
1 power-company-caused fire.

These fires were started on the concession area and, although they were not Ontario Paper Company's fault, company personnel took immediate action to put them out.

The Black River area has been greatly opened up by the establishment of the mine at Manitouwadge Lake. Under construction this summer will be:

45 miles of Canadian Pacific Railway line.
25 miles of Canadian National Railway line.
30 miles of Trans-Canada Highway No. 17
100 miles of Ontario Hydro power line extending from Terrace Bay to Manitouwadge.

It looks like a busy summer for the fire fighters at Heron Bay.

TIMBER COMEBACK

Associations connected with forest industries together with the Ontario Department of Lands and Forests are increasing their efforts to cover privately owned as well as waste lands of the province with valuable trees.

The program began in a small way some 50 years ago, and in the past decade has advanced by leaps and bounds. Development of seed for future trees is carried out at nurseries and seed plants with the same scientific methods employed in the development of high qoality seed for farm crops. New types of machinery enable workers to plant five times as many trees as was possible only a few years ago. Municipal, township and county forests are shooting up over the length and breadth of Ontario and land which had hitherto yielded nothing is now producing valuable crops for generations to come.

Many foresters today hold the view that in the large timber limits of Northern Ontario and Quebec the annual tree growth is equal to or more than the volume of timber cut on the limits. The Department does not contest this theory but states flatly:

"It has become increasingly evident that natural seeding will not guarantee a satisfactory crop on many lands that have been cut and burned."

It took less than a century to deplete the great white pine forests of the Ottawa Valley to near the vanishing point. Now the tide is flowing the other way and the province, together with municipalities, counties and pulp and paper companies, is laying a firm foundation for supplies of timber to meet the needs of Ontario's generations of the future.

PROPER CARE ADDS TO BEAUTY IN PLANTING OF YOUNG TREES

Assuming that considerable throught was given to the selection and planting of the millions of young trees supplied for private plantations, woodlots and windbreaks from nurseries of the Ontario Department of Lands and Forests, trained foresters advise that proper care of the trees will add much to their value and beauty. J. M. Whalen, District Forester at Sudbury, for instance, offers these suggestions:

Trees are very much like people in that they are subject to hardships, accidents of various types and even to diseases which may either maim or kill them. But unlike humans they are unable to run to a doctor for treatment immediately and it is up to their owner to check and treat them.

"In this respect, a few pointers on the pruning of shade trees may not be amiss, especially for trees in and around municipalities. Shade trees need pruning from time to time not only to keep them symmetrical, but also to maintain their health. The only period when pruning should not be done is in the spring when the sap is running.

"All cuts should be 'flush', that is, made as close to the parent stem as possible so that when the limb is removed there is no 'stub' remaining. Stubs are a mark of carelessness and it would be better not to prune a tree than to butcher it that way.

"Stubs are not only unsightly but the abundant stub growth produced by the sap which runs up the stub also is unsightly. The cut area on these stubs never heals over, and they remain a constant opening for disease.

"Small limbs may easily be removed with a saw but care must be taken not to tear the bark from the parent stem. To remove large limbs it may be necessary to make 3 cuts, the first on the under side of the branch, a foot or so from the main trunk, the second on the upper side of the branch only three or four inches farther out than the first, then the third and final cut flush with the trunk to remove the short stub.

"All wounds over half an inch in diameter should be protected with a waterproof dressing until they have healed over. Small wounds should be shellacked as soon as possible and large wounds shellacked and covered with a waterproof dressing. A thick mixture of white lead and linseed oil, with enough lamp black to make it a grey color, has proved effective as a paint for average-sized wounds."

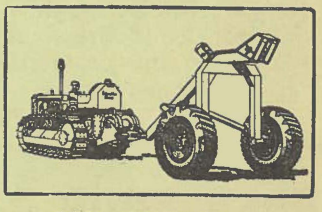
Paul Bunyan



HOW YOU'VE CHANGED!

Caterpillar-Hyster mechanized logging team is the new Paul Bunyon of the woods—pulling in more *logs* and more *profits* than Paul ever dreamed possible. This modern team — Caterpillar-built Tractor, Hyster Winch and Sulky®—is built to handle *more* logs at today's higher speeds, under tough logging conditions.

For profit-making logging ideas, call or drop in for your copy of "How to Log Small Timber Profitably".



CALL OR DROP IN FOR MORE INFORMATION

POWELL EQUIPMENT COMPANY LIMITED

115 North Cumberland Street
PORT ARTHUR
1060 Arlington Street
WINNIPEG, MANITOBA

New Emergency Rations for Fire Fighters

Standard emergency food rations for Ontario forest fire fighters, of a type and variety never tried before, are going out to all fire districts for test use this summer. The compact waterproofed kit weighs about 38 pounds. Each of 33 items in it is waterproof-wrapped, too. The supply provides 18 full meals — sufficient to furnish subsistence for a three-man fire-fighting crew for two days — ample time for regular provisions to be brought up overland if necessary.

The sturdy container, which includes among its 33 items such other essentials as plates, spoons, can-opener, can covers, soap, towels and water-sterilizing tablets, is so devised that it can be dropped easily and safely through the camera hatch with which planes of the Ontario Department of Lands and Forests fleet of some 40 versatile Beaver aircraft are fitted.

Emergency rations always have been an important consideration in fire-fighting equipment needed by crews operating far from bases on fire sites reached in the past only after long overland pack-treks but are now more quickly accessible by air. With the new food pack, which all planes will carry as standard equipment if tests are satisfactory, fighter crews can be set down from patrol aircraft immediately a "smoke" is spotted, taking over suppression operations at once without delaying to return to base for food supplies and without need of service for several days.

The Hon. Clare E. Mapledoram, Minister of Lands and Forests, expressed satisfaction at the addition of another 'first' in Ontario's Air Service long the world's largest aerial fire-fighting organization. The food pack, he said, was devised after extensive trial and inquiry by the Department and industry, especially the Forest Protection and Research Divisions, under the direction of the chief of the Division of Forest Protection, T. E. Mackey.

JUNIOR RANGERS TO CAMP

Preparations have been made for the arrival of the Junior Rangers at Klotz Lake, Killala Lake and Oxaline. Camp sites were prepared, equipment made ready and programs prepared for the Junior Ranger camps by Department of Lands and Forests personnel.

Throughout the months of July and August the Junior Rangers will be taught how to operate fire-fighting equipment, build fire lines and many of the other methods used in the protection and wise use of Ontario's natural resources.

Forest Insect Survey

European pine shoot moth:

To date, no major change is reported in the distribution of this introduced insect pest in southern Ontario. Throughout the infested area which extends roughly from a line joining the tip of the Bruce Peninsula through Lake Simcoe to Kingston, infestations are generally as heavy as in 1954.

Forest Biology Rangers have been assigned to the following forest districts in 1955 and have the following mailing addresses:

District	Ranger	Address
Chapleau	Bowser, R.	Box 400, Chapleau, Ontario
Cochrane	Bricault, F. A.	c/o Provincial Air Service, South Porcupine
Fort Frances	McPhee, J. R.	210 Butler Ave., Fort Frances
Geraldton	Vaillancourt C.	Box 495, Geraldton
Gogama	Barnes, C.	c/o Dept. of Lands & Forests Gogama,
Kapuskasing	Robinson, J.	Box 69, Moonbeam, Ont.
Kenora	Miller, W. J.	Vermilion Bay, Ont.
Lake Erie	Jago, L. G.	R.R. #1, St. Williams, Ont.
Lake Huron	Lynn, D. F.	R.R. #2, Chatsworth, Ont.
Lake Simcoe	McPhee, H. G.	Seed Extraction Plant, Angus, Ont.
Lindsay & W. Tweed	MacLeod, L. S.	c/o Dept. of Lands & Forests Minden, Ont.
North Bay	Harnden, A. A.	Box 105, Temagami, Ont.
Parry Sound	Grisdale, D.	c/o Dept. of Lands & Forests Dorset, Ont.
Pembroke	Hildebrand, M. J.	Dominion Forest Exp. Station, Chalk River, Ont.
Port Arthur	Hall, K. C.	R.R. #1, Fort William,
Rideau & E. Tweed	Danard, A. S.	c/o Dept. of Lands & Forests Mountain Grove, Ont.
Sault Ste. Marie	Foster, H. R.	Forest Insect Laboratory, Sault Ste. Marie
Sioux Lookout	Buchan, P. E.	Box 714, Sioux Lookout
Sudbury	Clinton, E. O.	Box 72, Sudbury
Swastika	Thompson, M.	c/o Dept. of Lands & Forests Swastika, Ont.
White River	Weir, H. J.	Box 119, White River, Ont.

Chief Ranger J. E. MacDonald, Forest Insect Lab., Sault Ste. Marie

A continued appeal is made to woods industry personnel to collect samples of insects and send them to the Forest Insect Laboratory, Sault Ste. Marie. Your co-operation will aid in this important work.

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

ORDER YOUR REQUIREMENTS NOW . . .

Our new Wholesale Hardware warehouse is modernly equipped to serve the Logging, Lumbering and Mining Industries; the Retail Stores; Plumbing, Heating and Building Contractors in Northwestern Ontario.

COCHRANE HARDWARE (WESTERN) LIMITED

105 North Cumberland Street, Port Arthur - Dial 5-7345

A Growing Inheritance

An unusual legacy from their great-grandmother has made three Woodstock boys Canada's youngest certified tree farmers.

From her they received 40,000 trees on 40 acres of reforested land with her blessing and the admonition to take care of it.

The deed they hold was drawn up by Dean Sisam, University of Toronto forestry department, and is one of the most unusual ever penned in Canada.

It sets forth the needs of forest conservation, enjoins the boys to carry out its purposes and sets them up in a business as foresters that should pay them thousands of dollars.

"It is at least as good as an insurance policy and probably better," said the boy's grandfather, James A. Vance, immediate past president for Ontario of the Canadian Forestry Association.

His grandsons are Jim, Don and Keith Stevens, sons of Mr. and Mrs. J. E. Stevens of Woodstock.

Jim is 13, Don 11 and Keith 8. For months they have been carrying on reforestry work on their 40 acres, doing all the manual labour they can. During Easter holidays they helped plant 1,900 trees.

They have helped, too, to thin the growth, pruning and cutting out brush and ironwood and poorer growth. They are careful with their cutting. The deed advises them they shouldn't take out everything. Some growth that isn't so good must be left to act as a nurse crop.

Their great-grandmother, who died last year at 83, was Mrs. Alberta Allison, their mother's grandmother. She had $2,000 to give the boys. This was put into 40 acres for trees at $50.00 an acre. It passed on to James Vance, who then gave it to the boys.

They officially became tree farmers when they were presented with certificates by the Canadian Forestry Association.

Their land is better suited to reforestation than anything. Trees already grew there and the acreage was selected to be near a farm their grandfather owns.

With their grandfather guiding them Jim, Don and Keith, all husky youngsters, are eager to make their legacy grow.

"The payoff will be in about 30 years," their grandfather stated. "They can start cropping then, and if they do it right they will be getting dividends indefinitely, good dividends."

WHAT ABOUT OUR FIRE PREVENTION POSTERS?

(Continued from Page 4)

and bringing cheer to all and sundry in the woods. From there it would expand to selecting a "Miss Fire Extinguisher", a "Miss Pack Pump" or perhaps getting closer to reality, a beauty contest on the limits to choose the female cookee "with whom we'd like to put out the fire", and so on. The ideas which could be developed have no end.

How to get it going? I don't really know. Perhaps some of the bunk-house or tent wall artists could put their talents to better use and come up with a lush "Fire Prevention Poster".

Editor's Note: Mr. Thomson submitted a few standard fire posters on which were superimposed the "appeal" picture. These were extremely well done, but due to reproduction difficulties, could not be run in this issue of the LOG BOOK. What are your thoughts in this matter?

Buying a . . .

Tractor - Marine Engine - Diesel Engine
Crane - Wire Rope

"Let's Talk It Over"

Vulcan Machinery & Equipment Ltd.

LOOK FOR THE ALLIS-CHALMERS SIGN

North Cumberland Street **Phone 4-2483** **Port Arthur, Ontario**

Tree Planting Activities

As reported in the May-June issue of the LOG BOOK, Northwestern Ontario's first Industrial Tree Farm was duly certified early in May. On their Prince and Jarvis Mining Locations, Newaygo Timber Company Limited planted 15,000 black spruce and 48,000 white spruce seedlings, both 2 - 2 stock.

In addition, in Martin and Mildred townships, District of Algoma, Newaygo has planted 30,000 white spruce and anticipate planting the same number of the same specie in September this year.

Pearson and Engblom, timber contractors of Glenorchy, Ontario, have planted 2,000 white spruce on their limits.

Ontario-Minnesota Pulp and Paper Company Limited planted 10,000 seedlings on their Seine River concession.

Under a co-operative project sponsored by the Research Council of Ontario and under the direction of Professor R. C. Hosie of University of Toronto, three companies, Abitibi (Port Arthur Division), Marathon and St. Lawrence have planted 1,500; 2,000 and 3,000 spruce seedlings, respectively. These were planted using three different methods, — machine, full saddle and half saddle.* Further plantings in the Fall in furtherance of this project is contemplated.

In addition to the above project Abitibi (Port Arthur Division) will plant 35,000 spruce and jackpine and provide 500 spruce seedlings to the pupils of Auden School for planting purposes. The latter is expected to be an annual event.

St. Lawrence Corporation Limited have planted 1,000 white spruce seedlings on Corporation owned land to study results obtained from planting this type on a clear cut hardwood area.

Marathon Corporation of Canada Limited have planted 60,000 jackpine seedlings in the vicinity of Marathon and Heron Bay, using a "Lowther" tree planter. Continuing a project begun in 1949 the Corporation provided a large number of red, Scotch and jackpine seedlings to the local Boy Scout group for planting. In addition, 1,500 jackpine trees were planted by school children in Arbour Day programs at Stevens and at Caramat.

LongLac Pulp and Paper Company Limited operate their own nursery and this year over 1¼ million seedlings (2 - 0 stock) were set out in transplant lines at the nursery. Over 350,000 spruce (2 - 0 and 2 - 2 stock) were planted in cut-over areas and their program for Fall planting calls for 600,000 (2 - 2 stock) to be planted in further cut-over areas. LongLac also expects to treat at least 1,000 acres in 'brush scattering' which will bring the total area so treated to over 5,000 acres.

Members of the Northwestern Ontario Section, Canadian Institute of Forestry have also been very active in tree planting projects. So far this season they have assisted and given direction to planting programs at three Lakehead rural schools. Close to 2,000 seedlings were planted through the assistance of this C.I.F. Section.

* **Editor's Note:** The object, in full and half saddle planting is to keep roots as close to ground surface as possible and on a horizontal plane. In half saddle planting, roots are permitted to extend in an arc of 180 degrees. In full saddle, roots project 360 degrees.

C. I. F. News

Northwestern Ontario Section

Under the leadership of George Breckenridge, Chairman, Northwestern Ontario Section, Canadian Institute of Forestry, a motorcade of members of the Port Arthur and Fort William Chambers of Commerce, George Wardrope, M.L.A. and others attended tree-planting ceremonies at three Lakehead rural schools earlier this season. At each school a sign was planted which read "TREES FOR TOMORROW — PREVENT FOREST FIRES"

At the first stop, Blake Township School, around 60 students under the direction of Lands and Forests personnel planted approximately 500 white spruce and red pine to establish a wind-break along the north and western edge of the school.

At the Slate River School, under the direction of C. I. F. member Norm Kissick, some 700 trees were planted in a woodlot opposite the school on property owned by the school. This lot which had been partially planted a few years ago has an area of about five acres of cleared land.

At the final stop, Mr. R. I. Young was in charge of a planting program undertaken by children of the O'Connor Township School. Over 600 trees were planted extending the existing shelterbelt on the spacious playground.

At the completion of the planting in each case, the children participating were given ice cream and soda pop provided by two Lakehead woods industry firms.

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Advertisers' News

Two New Rubber-tired Tractors Announced by Caterpillar Tractor Company

Caterpillar Tractor Company announces two new additions to its famous rubber-tired tractor line. They are the DW21 (Series C) and the DW20 (Series E), both featuring more horsepower and major design changes over the current models of DW21 and DW20 Tractors. These tractors are expected to set an enviable record in the field with their ability to move more yards of material at less cost than ever before.

Under the hoods of the tractors is a powerful new diesel engine, rated at 300 hp at 1800 rpm. Piston displacement is a full 805 cubic inches. Designed to set new performance records, the 6-cylinder, 5⅛ x 6½ inch diesel engine is turbocharged for greater horsepower. Driven by the engine's exhaust, the turbocharger utilizes energy that otherwise would be lost.

A number of new design features have been incorporated into the diesel engine, including a new block, crankshaft, connecting rods, pistons and head. A more accurate valve train gives better engine operation with fewer adjustments needed. Hydraulic valve lifters keep the valves in perfect adjustment, reducing maintenance costs. The diesel engine utilizes new paper type fuel filters which are more efficient and less expensive for the customer. A redesigned fuel system provides more accessibility for servicing.

Wide base low pressure tires, are standard equipment (in rock-type tread) on the DW21 (Series C) and DW20 (Series E) Tractors, giving big footprint flotation and wide lug traction.

New Diesel Fuel

Materials considered refinery by-products for many years are today being used increasingly in producing standard diesel fuels, according to Caterpillar Tractor Company, one of the world's largest manufacturers of modern, heavy-duty diesel engines.

Called "cracked distillates" or recycle stocks," the one-time by-product was once considered refinery residue from the production of high-octane gasolines. Later, they were combined with higher grade "straight-run distillates" and used as diesel fuel.

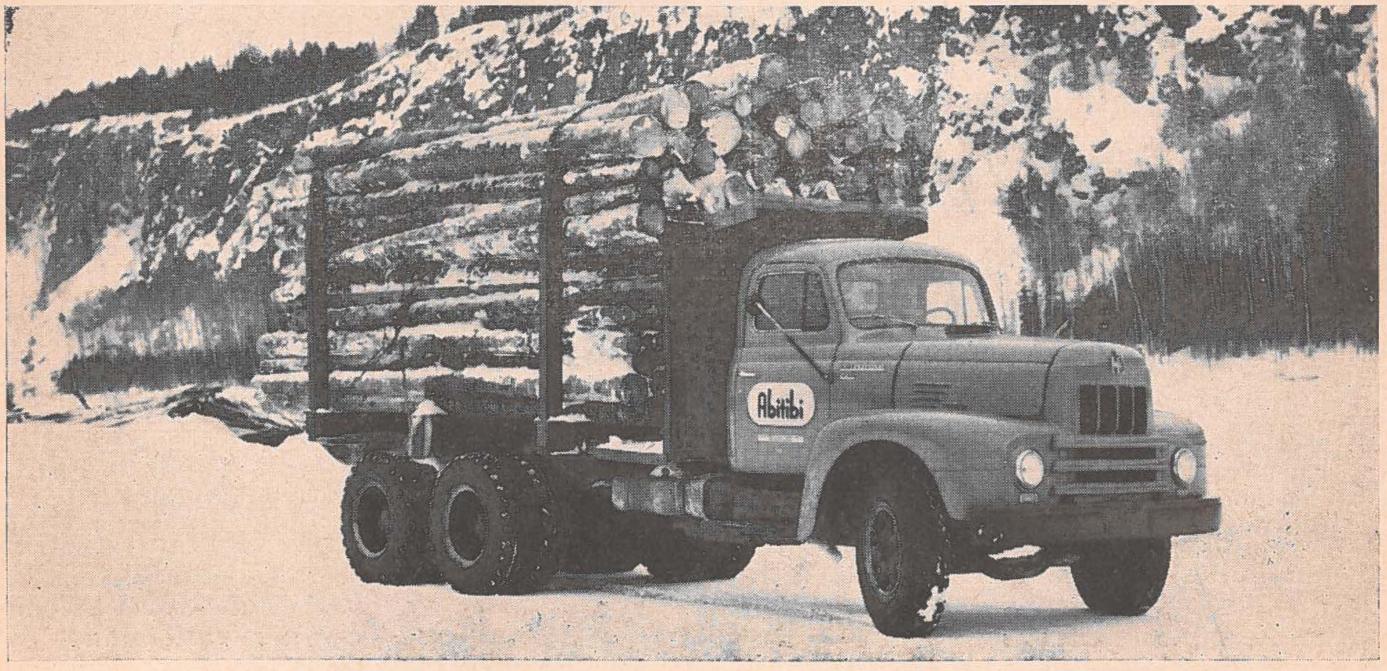
Now, studies by the Caterpillar Research Department at Peoria, indicate that, if certain requirements are met, the cracked distillates can be used in Cat diesel engines without harm to the engine.

The economic significance of this development is considerable. Demand for both gasoline and diesel fuel has skyrocketed since the war. Getting diesel fuel from a lower step on the refining procedure — leaving more room for taking high-octane gasoline — means considerable to the refiner and may mean cheaper fuel for diesel users.

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