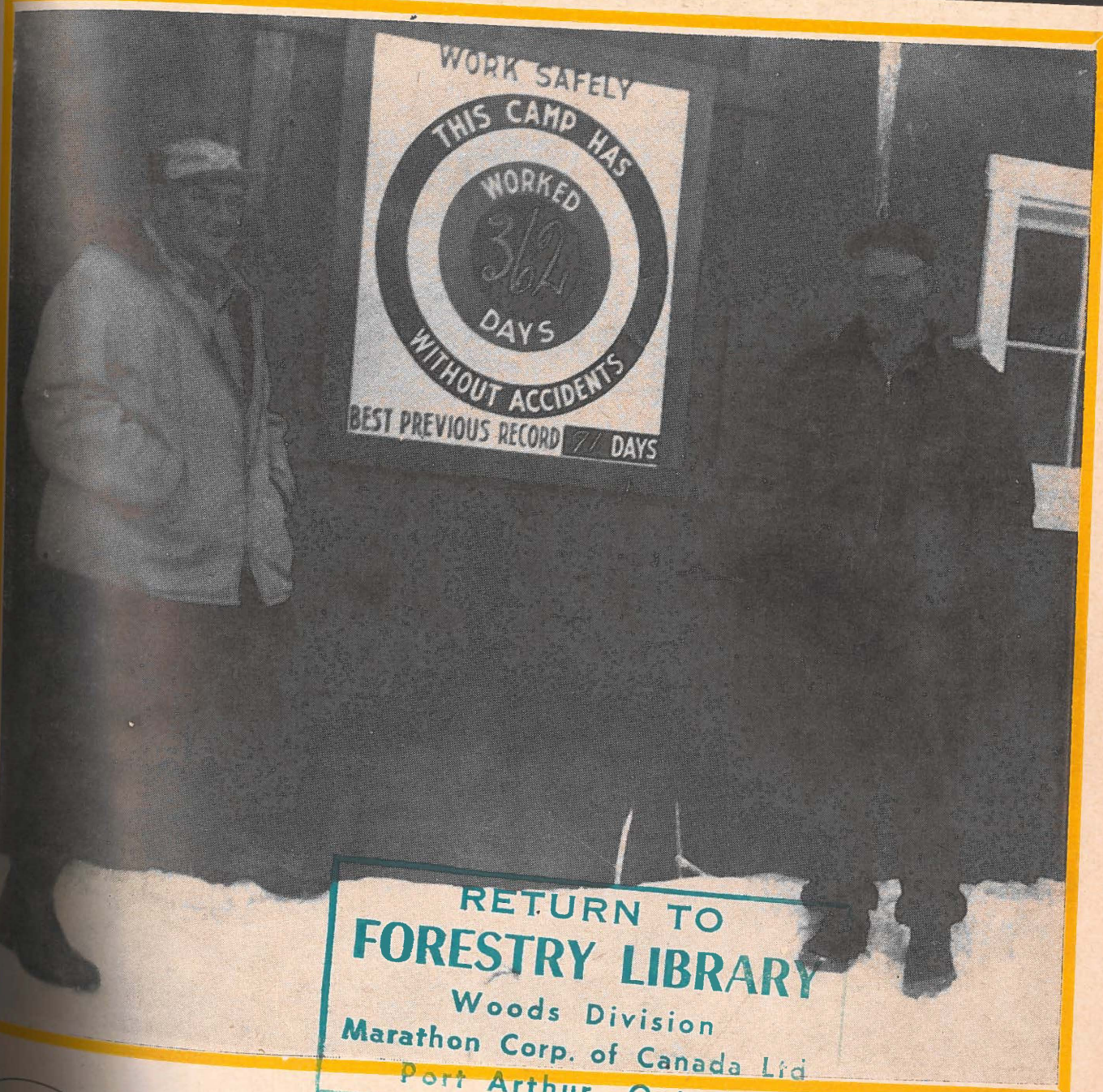
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NORTHWESTERN ONTARIO TIMBER OPERATORS' ASSOCIATION

LOG BOOK

January
February
1954

VOLUME 5 PORT ARTHUR, ONTARIO No. 5



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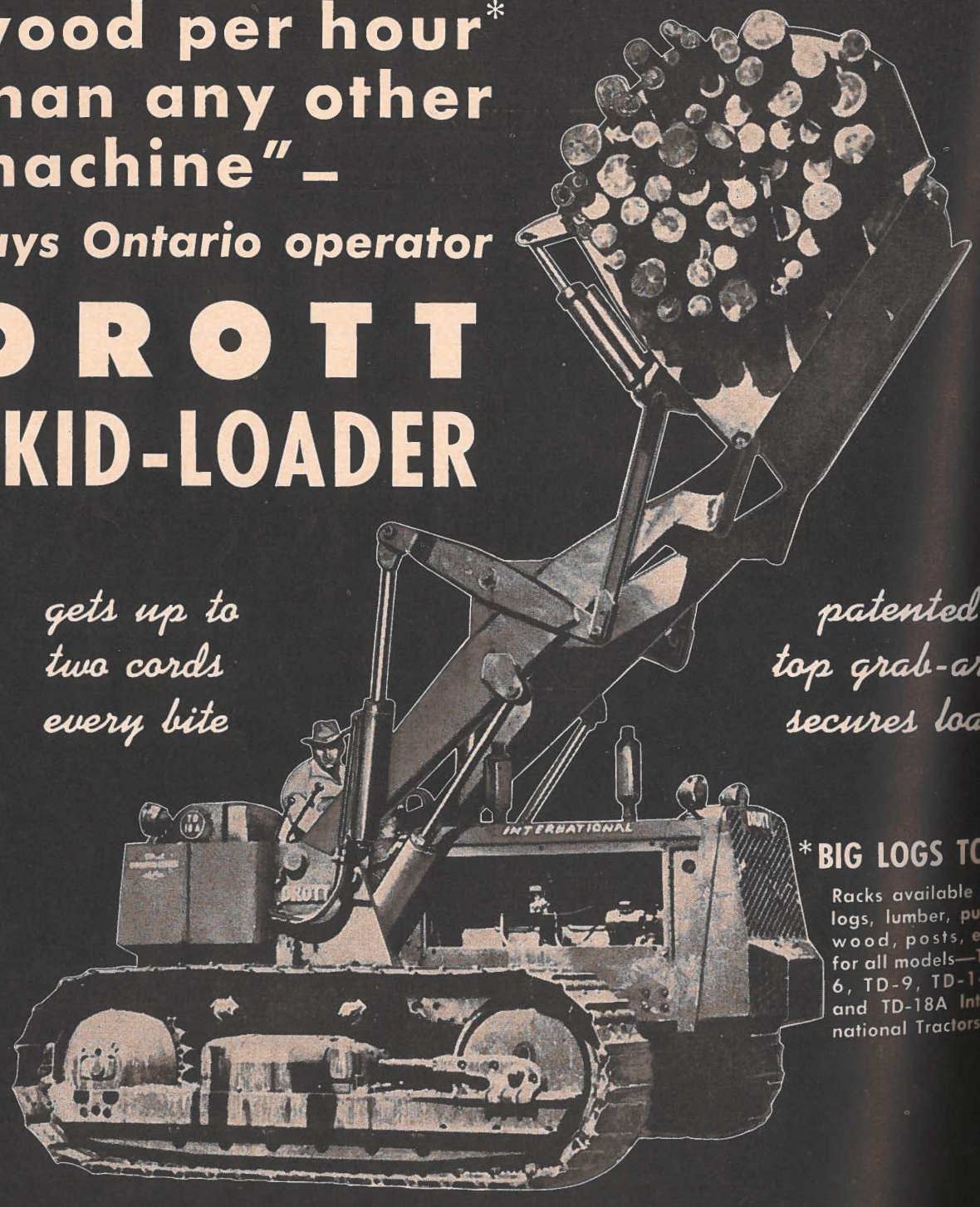
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Published by
Northwestern Ontario Timber Operators' Association

Edited by
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ANNUAL MEETING

The Annual Meeting of the Northwestern Ontario Timber Operators' Association was held Friday, January 15th, in Port Arthur, Ontario.

Fifty representatives of woods operators in Northwestern Ontario from as far east as Hearst and from as far west as Kenora and Fort Frances, met in Port Arthur on Friday, January 15th, at the Annual Meeting of the Northwestern Ontario Timber Operators' Association.

Mr. H. H. "Bert" Styffe gave the President's Report which was widely reported in the daily press. Anyone wishing a copy of this address of the President may do so by writing to the Editor of the Log Book.

Colonel R. H. Bliss, Chairman of the Forest Protection Committee, gave a detailed report on the 1953 forest fire experiences and members passed several resolutions to operators themselves, to the Department of Lands and Forests and to the Canadian Forestry Association, giving the group recommendations to better forest fire prevention and suppression.

Mr. P. V. Lemay, Chairman of the Advisory Board, Lakehead Technical Institute, spoke on behalf of Mr. F. L. Stevens, Chairman of the Forestry Committee of the Lakehead Technical Institute, outlining the activities of this committee.

Mr. George R. Sonley reported on the activities of the Northwestern Ontario Committee on Co-ordinated Research.

Short reports on operating techniques were reported on by:

George R. Sonley, Marathon Paper Mills of Canada Limited — "Land Form Classifications and Site Types."

H. O. Kantola, Newaygo Timber Company Limited — "Tree Length Logging — Poplar and Birch."

Norman McMillan, Dryden Paper Company Limited — "Strip Road Hauling."

The 1953 officers were unanimously re-elected and provison made for the executive to appoint a representative from the Western area of Northwestern Ontario.

At the evening dinner Mr. Malcolm Cochran, Life Honorary Member, presented a Certificate of Merit to Mr. R. "Bob" McMillan of the Kenora Logging Division, Ontario-Minnesota Pulp & Paper Company Limited. This Certificate was presented to Camp L-311 in recognition of having achieved 362 accident-free days.

Mr. Lorne Goodall, President of the Dryden Paper Company Limited, gave a very inspiring address in which he presented a very bright picture for the future of the Pulp and Paper Industry in Canada on a long term basis.

Canadian Bucksaw Championships

The Canadian Bucksaw Championships will again be held this year March 24th and 25th, 1954, in the Sheraton Mount Royal Hotel, Montreal, during the Annual Meeting of the Woodlands Section, C.P.P.A.

Annual Meeting

The Annual Meeting of the Woodlands Section, Canadian Pulp & Paper Association will be held March 24th, 25th and 26th, 1954, at the Sheraton Mount Royal Hotel, Montreal.

Pulpwood Salvage Association Re-elects Officers

The Annual Meeting of the Pulpwood Salvage Association which looks after the salvaging of pulpwood and logs in Lake Superior, Lake Nipigon and tributaries, re-elected the following officers:

President: Malcolm Cochran; Vice-President: H. S. Mosher; Secretary-Manager — T. S. Jones.

Once again woods workers which work for companies with Head Offices in Port Arthur, Nipigon and Heron Bay supported the appeal of the Port Arthur Community Chest in no uncertain manner.

The following are the results of the canvass. Detailed results were reported in the daily press. This contribution of over $5,000.0 from woods workers help put the Port Arthur Community Chest drive, with a target of $42,000.00, well over the top.

Marathon Paper Mills of Canada Limited	$1,168.50
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QUICK CANADIAN QUIZ

1. What proportion of Canada's total population lives in its cities and towns?
2. Name the largest all Canadian lake.
3. What was the name of the first ship to cross the Atlantic entirely by steam, and where was it built?
4. Of Canada's 5,500,000 labour force, how many are members o flabour unions?
5. Name Canada's fifth largest city.
6. Of the nearly seven billion dollars to be collected in taxes this year, will the municipal governments, the provincial governments, or the federal government take most?

—Answers on Page 6

Cover Picture

Mr. R. A. "Bob" McMillan, (in front of window), in charge of operations at Camp L-311, Ontario-Minnesota Pulp & Paper Company Limited, Kenora Logging Division, and Mr. J. W. "Jimmy" Hogg, Camp Clerk. showing the Bull's Eye Camp Safety Sign Board. This sign board was kept up-to-date and as the number of days mounted, **SAFETY** was the main topic in the camp.

Forest Management --- Land Tenure

By Geo. R. Sonley

Man is a creature of habit. We continue doing what we are accustomed to do without thinking why we are doing it. We frequently get quite annoyed when someone suggests that what we are doing no longer makes sense and that it should be done another way.

Our logging industry is probably one of the worst offenders. The pattern of our operations was set many years ago when conditions and equipment were much different than they are to-day. Yet when someone suggests changing the old logging pattern and habits there are those who become quite annoyed.

The same thing applies to systems of holding land. When the country was opened for settlement, the best land was secured as farms by individuals by homesteading. The poor land was of no value so stayed in the name of the government. Later as lumber was required, sawmill owners secured rights to cut the timber from these areas. There was so much forest that it was regarded as a menace and so of no value. As the demand for lumber increased and as the mature forest decreased, the mills were moved farther away to the supply of logs. When pulp mills came into the picture, they established a different pattern. There was a great investment in a stationary mill, and the only hope of making the investment pay was to have a perpetual supply of pulpwood available to the mill. This not only meant using the timber which was on the area but growing new timber on areas which had been cut over. That is about where we now stand. The government owns the land and the timber. They sell rights to cut timber to companies for periods of not over 21 years. It takes three to four times that period to grow a forest. This brings us to a deadlock. The company can no more justify expenditures of re-establishing a forest with no guarantee of the future than you would plant a garden knowing your lease ran out as soon as you had it planted. What is the cure? Handle the forests on a logical business basis so as to give the operator an opportunity to reap the harvest after the planting. In other words, a change in the system of holding land — either long term leases or outright sale of enough land to supply a portion of their requirements. This, of course, will be a shock to many and a wonderful opportunity for expressions of opinion and political debates. However, once the first shock of a suggested change had worn off, let us examine the suggestion.

With Government ownership the companies comply with the regulations. With company ownership there would be as big a range in forest management practices as there is in farming practice. The progressive companies would carry out what they believe to be sound forestry practices, foregoing some present profits to assure themselves of a future crop. If the system of management should prove successful (because someone had the conviction to try it), all companies would follow and forest management would be advanced. If the company owned the land they would be responsible for the future wood supplies, and it would be their responsibility to take the necessary action. Now no-one accepts the responsibility and very little is done. The company could afford to take reasonable risks — the Government can't afford to make a mistake; therefore can't take a risk.

If some forest land was held privately and some by the Government, there would be competition in management. Neither could afford to get too far out of step. With the Government owning all, there is no competition — only one standard with no incentive to do better.

If the present system of administering forest land were applied to agriculture, the Government would own all the land and rent it to farmers on two to three month leases (¼ time required to raise a crop). The farmers would have to build their own houses, barns, roads, fences, etc., and when they left the area turn them over to the Government with no recompense. The Government would also tell the farmer how he would operate the farm and market the produce; e.g. a certain grade of wheat would have to be sold and manufactured into flour, and if it were fed to live stock, his lease would be cancelled immediately. If you think this is far fetched, write the Department of Lands and Forests in Toronto for a copy of "The Crown Timber Act 195[illegible] and the Regulations made thereunder."

In summarizing it may be said that in the past there has been very little if any attempt made to put the forest under any form of management as it is known in other countries. Now with timber concessions becoming scarcer and harder to come by the only way of increasing the volume of timber is grow more per acre. To do this the logging company must have some guarantee of security of tenure and this, in my opinion, must be solved before any sound system of forest management can be made effective.

One of a series of articles by members of the Northwestern Ontario Section, Canadian Institute of Forestry.

O - M Safety Head Retires

Mr. W. R. Croucher, Chief of the Minnesota and Ontario Paper Company Safety Division, retired recently.

In a farewell address at a banquet in his honour at Kenora Mr. Croucher said:

"Youth is heedless of hazards and over-confidence — taking of chances is the source of many accidents." He listed four major causes of accidents: 1. Carelessness of the man himself where dullness and fatigue from the monotonous performance of the job lowered the sense of care; 2. Lack of Alertness, where preventive thinking could save an accident; 3. Disobedience of Safety Laws; 4. Deliberate taking of chances, always an unnecessary and unwise policy.

Tribute to Mr. Croucher for the help and direction that he had given over the years to the Ontario-Minnesota efforts were paid at the meeting.

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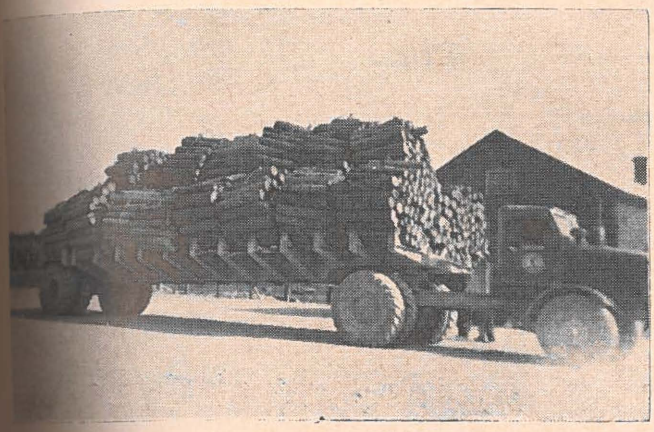
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PORT ARTHUR, ONTARIO

Safety Boots and Hard Hats

A report from the Quebec Pulp & Paper Safety Association, Inc.:

At the Annual Meeting of the Association a number of questions were submitted asking — how the sale of the above items was progressing — how they could be introduced — whether they could be made compulsory for woods workers — etc.

It is believed that if the use of these articles is to be successful the workman must be sold on the fact that he is wearing them for his own protection and he will benefit through their use. Compulsory use may come after the majority of the men have been convinced that it is to their advantage to wear them but not before.

If the safety clothing mentioned above is necessary for the workman it is also useful for all men who work in the woods and an example should be set by those in authority from the Manager right down the line. Example is a very forceful form of propaganda and, if the Company personnel adopt the attitude of "Don't Do As I Do, Do As I Say," one cannot expect much cooperation on the part of the men.

A number of companies sell nothing but boots with safety toe caps in their van, granted men bring up ordinary boots with them or even send away for them, however a number of toe cap boots are being sold. Our inspectors have spoken to men wearing them and have been told of accidents which have been avoided through their use. They undoubtedly have told other men in the camp how the boots saved them from an accident and it is quite possible that this will influence them when they have to buy another pair of boots.

There is every reason to believe that the use of this equipment can be sold to men through propaganda and example on the part of those in authority. Every time an accident occurs in the District, which could have been prevented by the use of either a hard hat or a safety shoe, it should be publicized throughout the District and especially brought home to the man who had the accident.

Northwestern District Lumbermen's Safety Association First-Aid Training Programme

The Northwestern District of the Lumber Safety Association are at the moment in the midst first-aid training programme with a Class just finis in the Port Arthur-Fort William district, a Class a to start in the Hearst area, and arrangements are being made to hold a Class in the Dryden and Ke areas.

This training is sopnsored by the Lumber Safety Association at no cost to the employer, an open to all member companies and their employee Class 1. This Association working in co-operation the St. John Ambulance Association is prepared arrange Classes in any camp, group of camps or de where fifteen or more candidates are prepared to this training.

It has been found through statistical study th trained first-aid workman is less prone to accidents others who are untrained, so in the interest of acci prevention it is felt that every employer should see a number of his personnel are trained in the admini ing of first-aid to the injured, and it might be mentio that the successful candidates from these classes receive a certificate from the St. John Ambulance sociation, also from the Lumbermen's Safety Associat

For further particulars contact your local repres ative of the Lumbermen's Safety Association, G. R. Pe 8 Ruttan Block, Port Arthur, Ontario.

Safety Film

"The Gamblers" produced by Caterpillar Trac Company in consultation with the National Saf Council of the United States is recommended as good film to teach safety around mechanical equipme It is available from your Caterpillar dealer. (In Nort western Ontario, Powell Equipment Company Limite

ANSWERS TO QUICK CANADIAN QUIZ

1. Six out of ten Canadian now live in urban areas.
2. Great Bear Lake.
3. The Royal William, built in Quebec City.
4. Slightly more than one-fifth — 1,220,000.
5. Hamilton.
6. Ottawa will take about three quarters, other two groups about equally divide remainder.

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Lumbermen's Safety Association Directors Hold Meeting at Lakehead

The Directors of the Lumbermen's Safety Association held their regular monthly meeting in Port Arthur in December. Following their meeting, they met with a committee of Northwestern Ontario Safety Committee of the Lumbermen's Safety Association.

Attending the meeting were the following directors.

Vice-President D. R. Young, Elk Lake, Ontario.
W. Austin, Austin Lumber (Dalton) Ltd., Chapleau, Ontario.
J. Brodkorb, George Gordon & Co. Limited, Cache Bay.
M. Cochran, Thunder Bay Forest Products Ltd., Port Arthur.
R. Dyer, representing B. Merwin, Pineland Timber Co. Ltd., Sudbury, Ontario.
C. W. Hodgson, M.P., Hodgson Lumber Co. Ltd., Haliburton, Ont.
H. S. Mosher, Newaygo Timber Co. Ltd., Port Arthur, Ontario.
A. G. Muirhead, Gillies Brothers Ltd., Braeside, Ontario.
R. McChesney, Randoph McChesney Lumber Co., Timmins, Ont.
J. A. Pousette, J. J. McFadden Lumber Ltd., Sultan, Ontario.
Dr. W. S. Barnhart, Lumbermen's Safety A'ssn, Ottawa, Ontario.
D. C. George, Lumbermen's Safety A'ssn, North Bay, Ontario.
E. Reeves, Lumbermen's Safety A'ssn, Toronto.

Members of the Northwestern Committee which met the directors and presented on organizational plan for Safety Work in Class 1 were: Chairman John Styffe, F. Hedley, T. S. Jones, H .W. Mutch, G. R. Potts, J. F. Thomson, and R. I. Young.

The Lumbermen's Safety Association Directors adopted the suggestion of the Northwestern group and the plan will be circulated to all members of Class 1 in the very near future.

CLASS II SAFETY MEETING

A regular quarterly meeting of the Northwestern Ontario (Woods) Branch, Ontario Pulp & Paper Makers' Safety Association, was held in Fort Frances on December 4th, 1953.

Routine business was conducted with Mr. G. K. Eoll in the Chair. There was considerable discussion about the use of safe clothing which was finalized in a resolution to be made to each company woods manager.

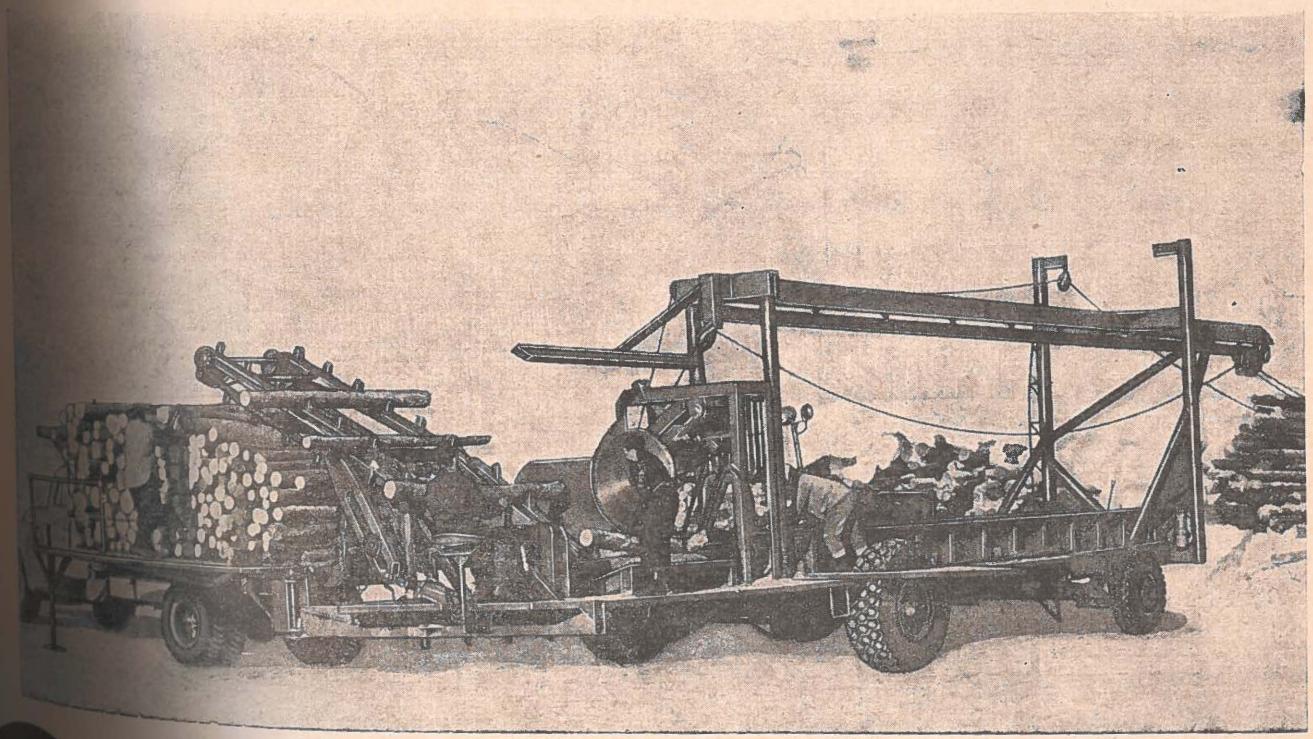
Mr. C. W. Roark, Woods Manager, Kenora Logging Division, Ontario-Minnesota Pulp & Paper Company, gave a very interesting address in which he told the story of how Camp L311 — Dryberry Lake — completed 362 days without a lost time accident.

Northern Paper Mills Camp 2 Safety Record

During 1953, Camp 2 of the Northern Paper Mills Limited, Hansen, Ontario, with an approximate average of 40 employees engaged in cutting peeled and rough pulpwood, established a record of 133 days (total man days 5,331) free from accidents.

Foreman, Helge Nelson and Clerk, Webster Tilson are to be congratulated for this record.

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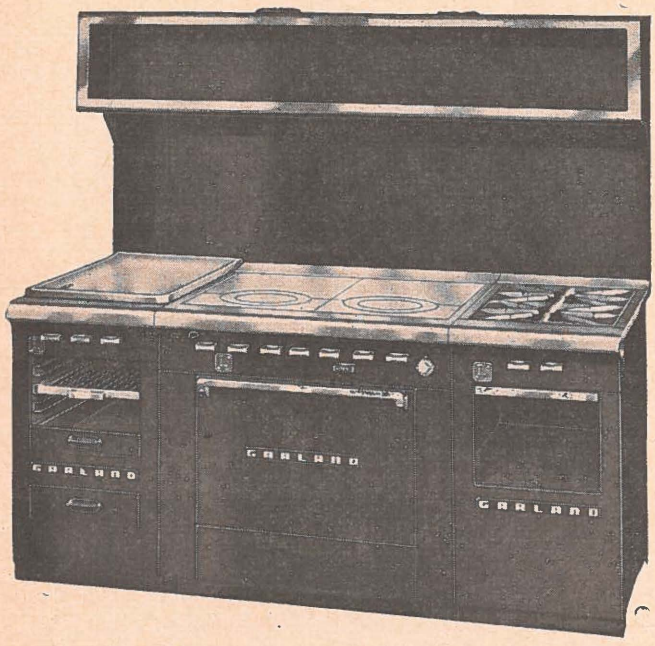


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Tree Chemical Treatment Patents Sold

Alex R. White

As suggested in your favour of December 29th, I am happy to send you the following information concerning our Patents, particularly the 1942-43 Series of **The Removal of Bark from Trees.** As you likely know the United States Patent was purchased by the Armstrong Forest people January 15th, 1951 at which time we agreed after purchase it was to be dedicated to the American public. This has been done.

The Canadian and Newfoundland Patents also dealing with the Removal of Bark from Trees were sold December 15th, 1953, to the Montreal Trust Company who are also entitled to benefit from any improvements we may make in future to these Barking Patents which they have now purchased.

The development of these patents and the whole process, has been a long and at times disheartening procedure, but necessity being the mother of invention and the needs of our industry great, we have somehow managed to keep going and to bring the subject to a successful conclusion.

In developing the first phase of our study, for practical use, being the easy removal of bark at all seasons by chemical application to living trees, I should like to pay tribute to the work of the Armstrong Company (Saturday Evening Post) of Johnsonburg, Pa., and to the President, E. C. Ehrhart without whose aggressive co-operation and success, I should have been poor indeed. Mr. Ehrhart in my opinion rates the number one star for his successful contribution in the United States.

The number two star goes to the Howard Smith Paper Company of Montreal, and to its agressive Woods Department under L. Paquet and Vice-President Robinson, who had the foresight to see that if something was to be done for hosts of pulpwood farmers and better wood produced for our mills the process was at least one best answer presently available, requiring little capital investment, being easy of application, and providing the promise of great things to come.

The third star, I give to my two partners, Malcolm Cochran and Donald A. Clark, both of whom stuck to me, but who at times must have had difficulty deciding whether I was normal or just another dreamer.

I am of course grateful for the help and corroborative work carried out by the Forest Products people of Ottawa through McIntosh and Hale, and for the project of the New York State College of Forestry at Syracuse, and of course the great interest of the Marathon Paper Company who made our early experiments possible.

It is likely in the near future all farmers' wood will be treated. This action will be a gain to both farmer and paper mill alike. It is well to remember at some distant date 50% of our raw material must come from our pulpwood farmer's bush lot. This is also good politics, but will of course develop faster south of the border than in Canada, a point which most of us will regret and ponder.

It could very well be, we have left the process and our interest too long in abeyance, or that a quickening of interest is more necessary, since new production is now evident in New Zealand, Mexico and Chile and since good raw material may be more quickly grown in these countries, it could very well be the success of a pulp and paper industry may be bound up in the time lag of from seedtime to harvest. If this is correct, then we here in Canada, may be a little too far North.

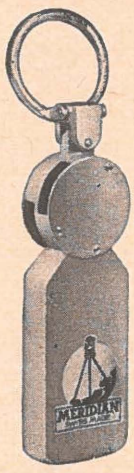
Sodium Arsenite is still the best all round chemical to purchase, but there will be others for specialized work.

Your members desiring to practice the art this summer should begin not later than May 15th and can continue treating until October (see Howard Smith). All species may be treated successfully.

Chemical should be purchased from the Delora Smelting and Ripening Company, Delora, Ontario. The Company understands the process and are the only people in Canada who produce a standard product for the work. It will cost about 10 cents for chemical for cord of wood treated. A gallon will treat about 15 cords.

May I in closing thank all those who did what they could to keep up my courage even through argument and to wish you all a very Happy New Year.

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A precision built surveying instrument made in Switzerland. Cannot get out of order, will never need adjustment. Light and compact. Weighs 6½ ounces and can be carried in a vest pocket.

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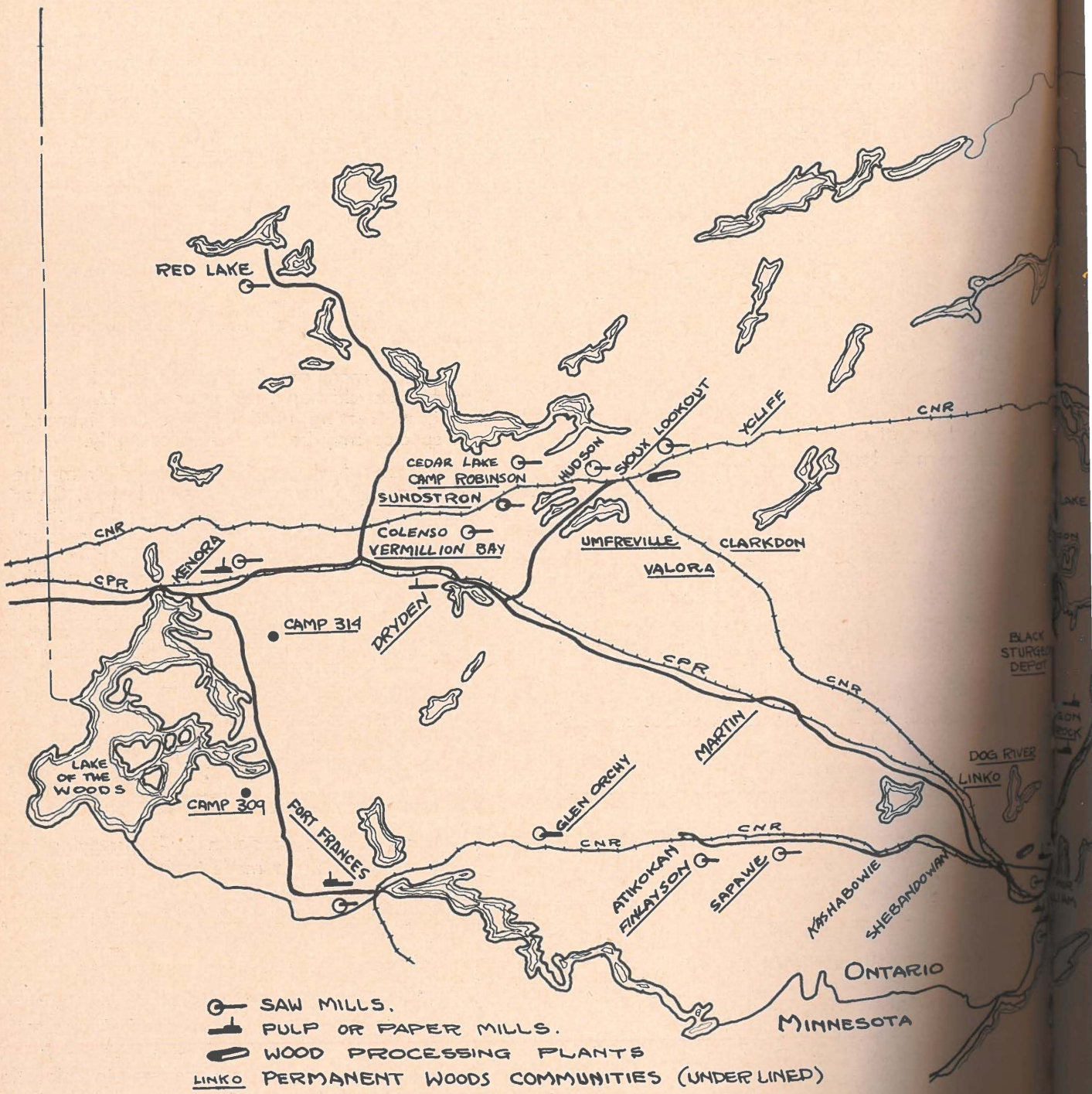
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THE NEW "ERA" IN WOODS OPERATIONS WITH MANAGEMENT PLANS IN FORCE WITH THE OBJECT OF OPERATING OUR FORESTS ON A SUSTAINED YIELD BASIS AND THE TREND TO YEAR-ROUND OPERATIONS, HAS RESULTED IN COMMUNITIES BEING ESTABLISHED IN NORTHWESTERN ONTARIO IN THE FORM OF WOODS DEPOTS AND FAMILY CAMPS AS SHOWN ON THIS MAP.

BACK OF THESE COMMUNITIES ARE THE 150 - 200 OPERATING CAMPS WHERE THE FOREST PRODUCTS ARE CUT. THE MAJORITY ARE OF A PANEL MOVABLE TYPE AND SOME CAMPS HAVE FAMILY HOUSES.

THE WOODS INDUSTRY EMPLOYS 6,000 - 9,000 PERSONS DEPENDING ON THE SEASON AND HAS A PAYROLL OF $25 - $35 MILLION DOLLARS.

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THIS GREAT INDUSTRY CAN BE EXPANDED BY THE DEVELOPMENT OF MORE MARKETS WHICH WOULD RESULT IN THE UTILIZATION OF SPECIES OF WOOD WHICH ARE IN PLENTIFUL SUPPLY BUT NOT CUT TO THE ALLOWABLE AMOUNT BECAUSE OF LACK OF MARKETS.


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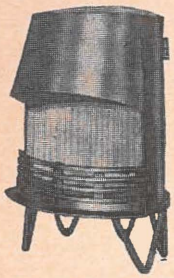
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HYDRO NOW SERVES MEAD HEADQUARTERS

Newaygo Timber Company, Limited, in line with its policy of having up-to-date camps and accommodations for its workmen, recently completed construction of a 3¾ mile hydro line in order to serve their Mead Ontario Headquarters with hydro power.

This Company has been operating in the Algoma and Cochrane Districts of Northern Ontario for 26 years and their first Headquarters camp at Hale, Ontario, was served with electric power generated by two gasoline driven Kohler generating sets. These were destroyed by fire in 1936 and were replaced with the Company's first diesel driven generator set. With the increased use of electrical shop equipment, etc., capacity of the diesel generating set had to be increased and in recent years Mead Headquarters was served with electricity produced by 2 Caterpillar diesel generating sets producing a total of 43 kws of single phase 60 cycle 110/220 volt electric power.

In 1951 a permanent headquarters was constructed approximately 35 miles Southwest of Port Arthur in the Thunder Bay District on company owned lands. This operation was considered as a permanent proposition and, accordingly, the Company constructed 5.2 miles of hydro line to serve this operation with hydro power. The contractor for the construction of this line was Peterson Electric Company, Limited of Port Arthur. The cost of construction and the operating costs for electricity under hydro service were so favourable with this operation, checking was commenced to see what other operations could be served with hydro power at a favourable cost to the Company.

On February 14, 1952, Mr. A. B. Hayman, Consumers Service Engineer of the North Eastern Region at North Bay, was contacted as to the possibility of securing hydro power for Mead Ontario headquarters. Final specifications covering construction of a private line were received from Mr. Hayman on August 27, 1953, and it was decided to proceed with the construction of the line and a contract for the construction was let to Peterson Electric Company, Limited of Port Arthur.

Work on the line commenced on September 24, 1953, and final construction was completed on October 13, 1953. As well as the construction of the 3¾ miles of high voltage line, it was necessary to run new power lines around Mead Headquarters in order to serve the various buildings. It was also necessary to change the service on the residences at Mead Headquarters from inside meter services to standard rural hydro outside meter services.

The 3¾ miles of power line was erected on 35 ft. creosoted pine poles, using insulators, rural dead end clamps, socket eyes, ball clevices, bolt eyes, etc. in accordance with H. E. P. C. of Ontario specifications. The line is a 14.4 kv single phase power line having a minimum ground clearance of 19 ft. to neutral conductor and minimum ground clearance of 22 ft. to phase conductor.

The construction of the H. E. P. C. of Ontario rural line between Hearst and Coppell was sufficiently advanced for power load on October 28th, 1953, and power was turned on this line around 11 a.m. October 28th. The Newaygo Timber Company Limited line was cut in at 1.30 p.m. and the main switch in the power house at Mead, Ontario, was cut in at 1.55 p.m., turning Mead Headquarters buildings on to hydro electric power.

Participating in the event of turning hydro electric power on at Mead, Ontario, was Mr. A. E. Draves, H. E. P. C. Rural Operating Area Manager of Kapuskasing.

(Continued on the Next Page)

HYDRO NOW SERVES MEAD HEADQUARTERS

kasing, Ontario; Mr. A. G. Pyette, H. E. P. C. Area Electrical Inspector of Kapuskasing, Ontario; Mr. Arne Vieta, H. E. P. C. Construction Foreman on Hearst-Coppell power line; Mr. P. Bouchard, H. E. P. C. Rural Area Line Foreman of Kapuskasing, Ontario; Mr. Eric Peterson of Peterson Electric Company, Limited of Port Arthur, Ontario; Mr. A. R. Wiley, Divisional Superintendent of Mead, Ontario; Mr. P. J. Philbin of George Taylor Hardware Limited, Hearst, Ontario; Mr. A. Brouillard of Mercier & Shirley Limited, Hearst, Ontario and Mr. M. R. Coghlan, Purchasing Agent of Newaygo Timber Company, Limited of Port Arthur, Ontario.

A complete inspection of the construction and installation of the hydro lines and services at Mead headquarters was completed by Mr. A. E. Draves, H. E. P. C. Rural Operating Area Manager of Kapuskasing, Mr. A. G. Pyette, H. E. P. C. Rural Operating Area Electrical Inspector of Kapuskasing and Mr. Eric Peterson of Peterson Electric Company, Limited of Port Arthur, the contractors on the Newaygo Timber Company, Limited power line, and everything was found to be in good order and up to the H. E. P. C. specifications submitted. Particular praise was directed to the Contractor and Newaygo Timber Company, Limited for the complete and efficient job done in running secondary lines around Mead headquarters.

To commemorate the event a turkey dinner, with all the trimmings, was served at Mead headquarters cookery.

Newaygo Timber Company, Limited appreciate the co-operation shown by the various hydro officials in both operating areas where the Company have constructed lines and are proud of their advancement in bringing hydro electric power to their operations.



Mr. M. R. Coghlan, Purchasing Agent of Newaygo Timber Company Limited, Port Arthur, throws the main switch in power house to serve Mead headquarters with Hydro power.

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High School Woodlot

By L. Ringham

As a result of an article published in 1949 about a Maritime High School that operates its own woodlot, the Dryden High School has the distinction of being the only High School in the Western Forest Region to conduct a similar undertaking.

Mr. N. Howe, who was Chairman of the Dryden High School Board in 1949, read the above-mentioned article and approached the Department of Lands and Forests in Kenora with the idea of obtaining a woodlot and starting an elementary forestry course in the Dryden High School. Mr. Howe's idea received enthusiastic approval from the local representatives of the Department. Since many of the students attending the School come from the rural area surrounding Dryden and upon the completion of their studies many return to operate nearby farms, the local staff considered that possibly a practical woodlot management course might prove of benefit in the future, and help avoid some of the tragic results evident in Old Ontario due to mismanagement of farm woodlots.

During the winter of 1949-50 and the following spring, a survey of lots still held by the Crown within a reasonable distance of Dryden, was carried out. Because only a limited amount of time could be allotted for the course, it was necessary to find a suitabe lot that could be quickly reached for the purposes of field trips and practical demonstration. It soon became evident any Crown lots in the vicinity of the Town were unsuitable, being all rock or muskeg. Mr. N. MacMillan, Woods Manager of the Dryden Paper Company, heard of the project and the difficulty being encountered in finding a suitable lot. He suggested a patented lot owned by the Company, 7 mies south-west of Dryden, and examination proved it to be very desirable. Through the generosity of the Dryden Paper Company this lot was turned over to the High Scholo for instructional purposes. The Forest Management staff of the Company cruised the lot and prepared a type map together with volume and age class data, which was also given to the course.

In the fall of 1950 an elementary forestry course was drawn up. It was felt that the main subject should be woodlot management and also include such subjects as tree identification, planting and forest protection. The course was offered as an option to the male students in grades 9 to 12 and the first year 52 boys out of a total school enrolment of 90, availed themselves of the opportunity. Since the first year the course has undergone many changes in an attempt to improve it and make it more interesting. The booklet "Practical Woodlot Management" by A. Koroleff, M.F., M.S.F., is used as a textbook for the course, which is rounded out with films and film strips on Woodlot Management and other related forestry subjects.

Practical work on the woodlot to date has mainly consisted of planting trees. Three thousand White Pine, three thousand Red Pine and two hundred and fifty Scotch Pine have been planted on some of the open areas on the lot. The students enjoyed the work very much and some who have graduated have maintained their interest in the work. The percentage of survival is a little better than 90% despite some damage done by deer, during the first winter.

Also, some work has been done in marking trees and cutting for thinning operation in a thirty year dense stand of Jack Pine.

Up until this year the instruction in the classroom and during field trips has been given by Company and Government foresters in the area during the fall and spring months.

In June of this year at a meeting of the High School Board, it was decided to extend the classroom work to one period a week during the school term. To accomplish this the Board made arrangements to enable a teacher on the staff of the School to attend a Conservation course during the summer.

At present classroom instruction is given by a teacher and members of the Lake of the Woods Section of the C. I. F. look after the field trips and practical instruction on the woodlot.

Numerically, the accomplishments when reviewed by the reader, will appear few. The numbers attending the course are small, the time which can be spared from other studies limited, and the practical work completed a mere pin prick in the vast conservation programme necessary, but the organizers of the course feel that future results in the betterment of woodlot management in the Dryden area will repay a thousandfold any efforts expended to date. It is true that all students taking part in the course will not be concerned with woodlots in the future. However, it is true that to obtain a better appreciation of what the forests mean to the economy of a mill town. Because the economy of North-Western Ontario is so dependent on trees and

(Continued on Page 15)

FIRE FILM IN AUSTRALIA

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6th November, 1953

AIRMAIL
Mr. T. S. Jones, Manager,
Thunder Bay Timber Operators' Association,
Room 3, Woolworth Block,
Port Arthur, Ontario, Canada.

Dear Mr. Jones:

Your film arrived the other day and I have just had a look at it. It is an excellent job and I would like to compliment the photographers and also those who thought out its sequence. It is going to be a great deal of use to us, as apart from being a good training film, it has the great advantage of being extremely interesting as well.

I would like to express my appreciation for the trouble you have taken and to take this opportunity of wishing you and your fellow foresters a Merry Christmas and a happy and prosperous New Year.

Yours sincerely,
JOHN D. BROOKES,
General Manager.

Poplar Newsprint

Newsprint produced successfully using 40% poplar content, announcement from Cleveland. Previously 20% poplar was maximum successful in manufacture. To utilize great hardwood areas to compete with present Canadian product by U.S. firm.

500 Problem Drinkers at the Lakehead

Recently a spokesman for Alcoholics Anonymous stated that there were an estimated 500 problem drinkers at the Lakehead cities of Fort William and Port Arthur.

Alcoholics Anonymous, or AA as they are known, was organized as something of a mutual help society in which the members help one another with their problems while they recognize, also, the need of a higher and Divine power.

AA was organized in New York in 1934 and has grown until it almost covers the continent. It is estimated that 150,000 persons have been reclaimed for a helpful and happy place in society. It is further claimed that 80 percent of its members become permanent abstainers as compared with something like two percent to be credited to other agencies.

AA have branches in Fort William, Port Arthur, Geraldton, Kenora and Fort Frances and members of these branches are willing to help anyone at any time.

HIGH SCHOOL WOODLOT

(Continued from Page 14)

because only good forestry practice will ensure the continued success of that economy, it is hoped that the experiment tried out at Dryden High School will encourage a great many other schools in the north to undertake similar programmes. If this could take place, the numerical results of the future might be equal to the theoretical results hoped for at present.

One of a series of articles by
Members of the Lake of the Woods Section,
Canadian Institute of Forestry.

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LAKEHEAD TECHNICAL INSTITUTE

PORT ARTHUR, ONTARIO

N.B.: If there is any forestry subject you would like to read about; if there is any book, bulletin, or article you want to check, write the librarian at the above address.

The library will pay the postage one way on all loans. Loans are for two weeks, renewable by post card.

The following books have been added recently to the collection. Publisher, place and date of publication follow each title.

Baker, F. S., **Principles of Silviculture,** N.Y., McGraw-Hill, 1950.

Boyce, J. S., **Forest Pathology,** 2nd ed. N.Y., McGraw-Hill, 1948

Buttrick, P. L., **Forest Economics and Finance,** N.Y., Wiley, 1950.

Doane, R.W. and others, **Forest Insects;** a textbook for the use of students in forest schools, colleges, and forest workers, N.Y., McGraw-Hill, 1936.

Duerr, W., editor, **Research in Economic of Forestry, Washington,** Pack Foundation, 1953.

Empire Forestry Association, **British Commonwealth Forest Terminology, Part 1,** London, E.F.A., 1953.

Food and Agriculture Organization Forestry Division, **Elements of Forest Fire Control,** Washington, F.A.O., 1953.

Francois, Tony, **Forest Policy, Law and Administration,** Washington, F.A.O., 1950, (General study of various countries' policy.)

Graham, S A., **Forest Entomology,** 3rd ed., N.Y., McGraw-Hill, 1951

Grant, J.A.C., **Relationship between stocking and the size of the quadrat,** Toronto, U. of T., 1951.

Holbrook, S.A., **Burning an Empire; The Story of American Forest Fires,** N.Y., Macmillan, 1952.

Hosie, R.C., **Forest Regeneration in Ontario based on a review of surveys conducted in the Province during the period 1918-1951,** Toronto, Research Council of Ont.,1953.

Howard, A. L., **Manual of Timbers of the World,** 3d. ed., N.Y., Macmillan, 1951.

Hunt & Garratt, **Wood Preservation,** 2d. ed., N.Y., McGraw-Hill 1953.

Kittredge, J., **Forest Infuences,** N.Y., McGraw-Hill, 1948.

Koroleff, A., **Stability as a Factor in Forest Management,** Montreal, P.P.R.I., 1951.

Lindquist, Bertil, **Genetics in Swedish Forestry Practice,** Boston, Chronica Botanica, 1948.

McConkey, O.M., **Conservation in Canada,** Toronto, Dent, 1952.

Matthews, D. M., **Cost Control in the Logging Industry,** N.Y. McGraw-Hill, 1942.

Northeastern Wood Utilization Council, **Pulpwood from Small Woodlands,** New Haven, Conn., M.W.U.C., 1953.

Provencher, Paul, **I Live In The Woods;** a book of personal reflections and woodland lore, Fredericton, N.B. Brunswick Press, 1953.

Society of American Foresters, **Forest Terminology,** Washington S.A.F., 1950.

U. S. Forest Service, **Check List of Native and Naturalized Trees of the United States (including Alaska),** Washington, U.S. Govt., 1953.

U. S. Forest Service, **Woody-plant Seed Manual,** Washington, U.S. Govt., 1948.

Wackerman, A. E., **Harvesting Timber Crops,** N.Y., McGraw-Hill 1949.

Westveld, R. H., **Applied Silviculture in the United States,** 2d. ed. N.Y., Wiley, 1949.

Wing, L. W., **Practice of Wildlife Conservation,** N.Y., Wiley, 195

The library has placed subscriptions for, or receives, the following periodicals:

American Forests; Canadian Field Naturalist; Canadian Entomologist; Canadian Journal of Botany; Canadian Journal of Zoology; Ecology; Empire Forest Review; Forest and Outdoor Forestry; Forestry Chronicle; Journal of Forestry; The Logbook Nature; Pulp and Paper Magazine of Canada; Quarterly Journal of Forestry; Scientific American; Soil Science; Timber of Canada; The Timberman; Unasylva.

If any readers of this note possess any back numbers of these periodicals, which they do not wish to keep, (especially of the Journal of Forestry or the Foerstry Chronicle) the library would make them welcome.

The library has received gifts of periodicals or other forestry publications from:

S. T. B. Loose, Chief Photogrammetrist, Abitibi Power & Paper Co. Ltd., Sault Ste. Marie.

G. R. Sonley, Chief Forester, Marathon Paper Mills of Canada Limited, Port Arthur.

T. S. Jones, Northwestern Ontario Timber Operators' Association, Port Arthur.

ANTI FREEZE IS POISON

Remember that Antifreeze used during the winter months by truck, bush and snowmobile drivers to prevent windshields from freezing or icing over and for other purposes is poison.

Care should be taken that any antifreeze or solution of a similar nature carried in a vehicle should be in a metal container, so as to be easily identified.

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PORT ARTHUR, ONTARIO

United Canvass Big Success In Marathon Woods

By G. K. Eoll

A single campaign to cover all charitable drives in one was conducted November 7 to 16 on Marathon's woods operations. It was an outstanding success. The idea of a united canvass came from discussions among woods employees who considered multiple drives unnecessary and was approved by management in Port Arthur. A total of $2,744.15 was collecte during the ten-day canvass.

Response by camps was as follows:

Camp 25, Hillsport	—	$647.00
Camp 53, Caramat	—	525.00
Caramat Depot	—	323.00
Camp 12, Stevens	—	318.65
Stevens Depot	—	292.00
Camp 51, Caramat	—	256.50
Camp 5, Stevens	—	212.00
Camp 24, Stevens	—	170.00

Special honours to Camp 25 and 53 for their most generous response.

The credit for the success of the new scheme goes to the camp clerks organized under J. A. Clairmont, Field Accounting Supervisor, at Stevens, Ontario, and to the Lumber and Sawmill Workers' Union, Local 2693, which urged the camp stewards and its membership to support the campaign.

The funds are being distributed to the benefitting agencies as follows:

Port Arthur Community Chest	$ 952.50
Red Cross Society	846.65
Christmas Seal Campaign	503.00
Cancer Fund	202.00
Easter Seal Campaign	240.00
TOTAL	$2,744.15

Marathon's success in this experiment is another indication that the woods workers are playing their part in community activities.

Publications Received

From the Department of Resources and Development

Seed Maturity in White Spruce, by D. . Crossley --- Silvicultural Research Note No. 104.

Growth and Development of Coniferous Plantations at Grand'Mere, P. Q., by G. C. Cunningham — Silvicultural Research Note No. 103.

From the Lake States Froest Experiment Station, U. S. Department of Agriculture, Forest Service, University Farm, St. Paul 1, Minnesota.

Technical Note No. 403—Veneer Log Production Declines in Lake States.

" " No. 405—Effect of Pruning on the Growth of Red Pine.

" " No. 406—Log Grading Starts in the Woods.

" " No. 407—Comparison of Man Hours Required for Thinning and Clear Cutting Pole-Size Aspen.

" " No. 408—Red Pine Suppressed for Forty Years Responds to Release.

Some Points About The Fine Paper Industry

The output of fine paper in Canada in the se years up to 1951 increased by 61 per cent. Almost of this increase was to meet the needs of Canad consumers.

The fine paper production of Canada, about hundred thousand tons, has a value of some $60 lion plus the $7 million of coated paper produced f basic grades of fine paper.

The 500 different types of fine paper made Canadian mills range from inexpensive grades m partly from groundwood pulp, through a wide varie of higher cost papers made chiefly or wholly fr chemical pulps and up to the finest papers made e tirely from rags and selling for as much as $1,500 p ton.

The uses of fine papers cover a similarly w range. Some examples are: catalogues, blotters, drin ing-cups, milk containers, wall-paper, magazines, book ticket tape, letterheads, business forms, show car fine stationery, blue prints, ledger sheets, stock cer ficates, wedding invitations, and currency.

Among the fine papers there are light weig grades which caliper two one-thousandths of an inch less and there are heavy grades of twenty times th thickness. The tolerance in the production of som fine papers is as little as one-half of one-thousandt of an inch.

—Pulp & Paper Magazine

Russel-Hipwell Engines Ltd. Has Film To Loan

The Russel-Hipwell Engines Limited have "Dies Race Car," a 16 mm sound-colour film available on loan on application to the Russel-Hipwell Engine Limited, Owen Sound, Ontario.

This is the story of an experimental diesel rac car which ran in the 1952 Indianapolis 500 mile rac Though it never finished, the Cummins diesel made name for itself by qualifying for the pole position a 138.01 m.p.h., the fastest qualifying time ever mad for the "500".

The film is more than a record of one car in th race . . . it is the story of the background of the ca why it was built and what was accomplished. Cummi engines have powered cars at Indianapolis before, b never with any great success.

50th Anniversary To Be Commemerated

In 1954 the Caterpillar Tractor Co., Peoria, Ill will commemorate the 50th anniversary of the world first practical track-type tractor.

This anniversary dates back to the successfu testing of the first practical crawler on November 24th 1904 in Stockton, Calif., by the Holt Manufacturing Company, one of the Caterpillar's parent companies. It was the Holt Company which originated the trademark "Caterpillar" at about the same time it made its firs crawler.

This Holt unit was the forefather to approximately 340,000 track-type tractors of all makes which are now working in many fields, exclusive of the military, in the United States alone.