

RAPID EXHAUSTION OF OUR FORESTS

Prof. Howe Says School Books and Politicians Miscalculate

That the timber resources of Canada are not inexhaustible, but that there is need of intelligent and scientific forestry work in the forest areas of the country, was the message of an address by Prof. C. D. Howe, associate professor of forestry at the Toronto University, before the Electric Club of Toronto at their luncheon in the Prince George Hotel yesterday.

The subject of Prof. Howe's address was "Forest Conditions in Canada." The luxuriant forests of the world lie adjacent to large bodies of water, and a forest map of Canada would show two large forest regions, one on the Pacific coast and the other along the Atlantic coast. Rainfall and humidity make the forests; forests do not make rainfall to any appreciable extent.

Canada has two large bodies of commercial timber, each containing about 200,000 square miles, one in the east, one in the west, separated by a region of about 200,000 square miles of treeless plains and prairie.

Thus we have only about 400,000 square miles capable of producing saw logs. There is in the trans-continental northern belt approximately 15 million square miles in extent from which we may obtain pulpwood supplies, but probably never saw logs in any considerable quantities.

One-third of the geographical area of Canada is incapable of bearing trees. Probably over one-half of our commercial forest area has been burned.

Not illimitable. "Our school books," said Prof. Howe, "give us the impression, often the public press, the political speaker, the government official high in authority, give the impression that unbroken commercial forests extend to the Arctic Ocean, that the forest resources of the country are illimitable and inexhaustible. We know for a certainty now that the forests are not illimitable. There is a very grave danger of serious curtailment, perhaps exhaustion, of the supply within a comparatively few years."

The general grounds for this fear of exhaustion are two, namely, the enormous destruction in the west by forest fires, and the failure of commercial species adequately to reproduce themselves on cut-over, unburned lands.

The known effect of repeated forest fires upon the reproduction of commercial species is the reason that thinking men have very grave fears for the adequacy of the future supply of timber in the country.

Speaking of forest fire protection, Prof. Howe went on to say that we cannot have a really effective and successful forest fire protection until it is run on a business basis.

The 400,000 square miles which are capable of bearing commercial timber are mostly crown lands. They belong to the people, who do not realize what the perpetuation of the lumber industry means to Canada in the employment of labor and the production of wealth. They do not realize that the greater proportion of provincial revenues comes from the forests, and what the falling of these forest revenues will mean in terms of the tax budget. If the people realized these things they would insist that these forests be made reasonably safe from destruction by fire.

Fortunately arrangements have been made to send about 100,000 copies of a new book, "Harlene Hair-Drill," to every man or woman who is troubled with dull, lifeless, impoverished hair. There is no cost or obligation entailed.

1,000,000 HAIR-HEALTH GIFTS FREE

The arrangements for this gigantic hair health campaign have been prepared by Ed-

ward's Harlene, Ltd., and everyone who writes to the address below will receive a bottle of "Harlene," the true liquid food and tonic for the hair, which stimulates it to new growth.

A packet of the marvelous hair and scalp cream, "Crown," in the agency which prepares the head for "Harlene" hair, the safest, surest way to hair health, abundance and beauty.

Why not try this great yet simple scientific "Harlene" hair-growing experiment at once? Write for the Free Outfit today. Simply fill in the coupon below and enclose with it stamps to cover postage.

Further supplies of "Harlene" can be obtained as required from your Drug Store at \$2.00, \$1.00 and \$1.50. "Crown" Shampoo Powders, 52c per box, seven shampoos. Or post free on receipt of price from Frank L. Bennett, 45 St. Alexander Street, Montreal, Que. (Agents for Edwards Harlene, Ltd., Agents for Edwards Harlene, Ltd., Montreal, Que.)

POST THIS FREE GIFT FORM

Fill in and post to Frank L. Bennett & Co., 45 St. Alexander Street, Montreal, Que. (Agents for Edwards Harlene, Ltd.)

Dear Sirs—Please send me your "Harlene" Hair-Drill Outfit. I enclose 10c in stamps for postage.

NAME _____ ADDRESS _____

SCHUEUR'S Some Diamond Facts From Scheuer's

All sources of Diamond supply open to other large buyers are open to us. We have been wholesale Diamond Importers in Canada for forty-seven years. During that time we have never yet represented the value of a stone to be greater than it actually was in the world market.

We do not claim to have, on the average, more perfect stones than other firms. Nor do we claim to buy our stones closer than other firms. What we do claim is that we buy as close as others; our stock is exceptionally large and well selected, and we sell Diamonds to the public at wholesale prices, at a closer margin of profit than other houses.

Here are a few items from our stock, all bought wholesale, and marked at a very moderate profit for handling and setting:

RINGS 18-carat gold, with one good-sized very fine Diamond, set in platinum, \$25.00, \$28.00, \$35.00, \$50.00, \$70.00, \$90.00, \$100.00.

18-carat Gold, Platinum Crown, with five very fine Diamonds, \$50.00.

14-carat Gold Onyx and Diamond, \$10.00, \$15.00, \$25.00, \$50.00, \$100.00.

14-carat Gold 7-diamond Cluster, \$50.00.

EARRINGS Earrings, matched pair of tiny Sparkling Diamonds, for misses, \$15.00. Larger Diamonds, \$28.00, \$32.00, \$48.00, \$80.00, \$100.00 and up to \$800.00.

TIE PINS Tie Pins, 14-carat gold, wishbone design, with tiny sparkling Diamond, \$5.00. Diamond set in black onyx, \$10.00. Very Fine Diamond in 14-carat gold, claw and fancy platinum settings, \$10.00, \$15.00, \$25.00, \$35.00, \$50.00.

LAVALLIERES Chain and Pendant, all platinum, set with fine Diamonds, \$75.00, \$100.00, \$225.00.

14-carat white gold, \$10.00, \$17.00, \$22.00, \$28.00, \$35.00, \$50.00.

BARPINS 14-carat white gold, set with fine sparkling Diamonds, \$15.00, \$18.00, \$22.00, \$32.00, \$40.00, \$75.00, \$90.00.

OPEN EVENINGS SCHEUR'S GIFT BOXES

131 Yonge Street The Oldest Established Wholesale Diamond Importers in Canada

DIAMONDS

SIXTY-FOUR GRADUATES, ARE NOW MASSEUSES

The graduating exercises of the December Class of masseuses, from Hart House, were held in the lecture hall of the house yesterday afternoon. There were sixty-four graduates and more than twenty-five of these will locate and practice in points outside of Toronto.

The principal speaker of the afternoon was Lieut.-Col. R. Wilson, O.C. of Hart House, who spoke on "The Treatment of the Returned Invalid Soldier and Their General Treatment in Hospitals in Canada." He detailed the different methods in operation in treating the various ill and ailments of those returned soldiers, who were in need of the special treatment taught to the masseuses.

Following is a list of the graduates, and the various districts to which they have been assigned. Where the graduate is not assigned it is stated he will return after the Christmas holidays and take an intensive course in electrotherapy:

Misses M. L. Agnew, F. H. Allen, Toronto; I. L. Ashenurst, A. I. Bandeen, M. P. Betchelor, E. Bateman, E. M. Best, R. P. Black, A. Broadwell, P. M. Brennan, Halifax; J. G. C. Erien, E. M. Brunson, Montreal; F. E. Burr, Calgary; N. E. Burrows, Calgary; A. M. Caisterley, Mrs. A. E. Charlesworth, Misses M. K. Cooke, Calgary; E. E. Dalby, S. Dawe, L. Day, H. M. Dermody, W. Dingman, M. R. Eastwood, Toronto; McK. F. Fisher, E. F. Flavell, E. F. Graves, R. J. Green, S. C. Harbottle, Toronto; M. E. Harvey, M. Tatton, B. Harris, M. H. Irving, N. R. Johnson, O. Jopp, R. S. Jordan, Toronto; C. O. Kyles, P. S. Lambe, J. H. MacEwan, Kingston; J. MacLennan, M. Macbeth, J. McDougald, Winnipeg; G. M. McGarity, A. McManus, Windsor; E. H. McMullen, Toronto; E. Murphy, C. M. Musgrave, Halifax; R. Nicholson, Edmonton; D. M. Nolan, M. S. Page, Victoria; M. Palmer, M. Patterson, Toronto; Mrs. K. M. Peggam, Victoria; Misses N. S. Percamp, Toronto; E. Raithnell, Toronto; Mrs. H. Richards, London; Misses J. E. Slater, G. Stoddard, Halifax; E. R. Scovill, L. M. Taylor, Mrs. A. E. Waite, Miss A. E. Young, Calgary; Miss T. C. Zeats.

Canadian Ensign, I.O.D.E., Victory Christmas Tree

Fifty soldiers from Davillville Hospital were entertained by the Canadian Ensign Chapter, I.O.D.E., at the Central Y.M.C.A. yesterday afternoon. The program consisted of a "Victory Christmas Tree" and musicals, the whole ending with a tea charmingly served.

T. J. Coo made a fine Santa Claus and handed out the generous gifts from the tree, the returned heroes evidently enjoying the Christmas remembrance. The musical program, which was exceptionally good, was in charge of Mrs. Geo. W. Harris, those taking part being Ruthven MacDonald, G. E. B. Wheeler, Max Fleischman, Ben Hokea, Mrs. Rodan Farmer and Irene Pattison. Mrs. A. E. Cantle and Dr. Lucas Bennett poured tea from silver urns and the table was decorated with ribbons of scarlet, satin and pale pink chrysanthemums.

An unexpected note in the program was the presentation of a handsome silk and silver satchel to Mrs. W. R. Jackson, regent of the chapter, by some of the members, in recognition of her fine patriotic work and the esteem of those associated with her. Thanks and three cheers from the men were also given their hostess.

Among those who assisted were Messrs. J. P. Patterson, H. Martin, C. J. Keddie and R. G. Wooten.

FLIGHT LIEUTENANT KILLED.

Flight Lieutenant Donald D. McAlpin, Royal Air Force, who was well known in Toronto, was killed in an aviation accident about the end of October. An uncle, Dr. V. H. McAlpin, Warren, Pa., and his mother, Point Loma, California, were his nearest relatives.

Mr. McAlpin was a contributor to the Sunday World while he was in Toronto.

YORK RAILWAY YARDS. The visit of General Superintendent Bouker and Terminal Superintendent Stokes of the Grand Trunk Railway to the York yards yesterday gives credence to the report that the G.T.R. is about to reopen the yards. The rumor, it is further reported, that the engine house will be put in shape to house locomotives, and this will involve an expenditure of approximately \$30,000. The increased volume of traffic is responsible for this action.

EMBRYO DRUGGISTS RECEIVE DIPLOMAS

List of Successful Students at Ontario College of Pharmacy.

The results of the Ontario College of Pharmacy junior examinations recently held are as follows: First-class honors (in order of merit): Luther M. Budd and Allan P. Roberts (equal), Wm. Mark Mounfield, Herbert F. Crooks, Robert P. English, M. A. Dowd, Bart C. Loft.

Second-class honors (in order of merit): Florence Y. Boyce, Groves C. Henry, Chas. R. Eald, F. S. Young, Norman D. Keller, Frank G. Greatrix, Herb. S. Stanley, P. A. Lambertus, Geo. C. Arnald, Lorne Geddes, G. C. Martin.

Pass list: L. Creighton DeWolfe, John W. Elliott, W. G. Evans, J. B. Haslam, E. R. Hewson, E. Caryl Jaques, Joseph S. Johnston, G. L. Janspy, C. P. L'Heureux, Percy E. McCool, J. J. O'Halloran, John H. Prudham, C. R. Reid, Gordon Schaefer.

Students in pharmacy, chemistry, physics and biology: Thomas McDermott. Highest in subjects: Pharmacy: Allan P. Roberts, Luther M. Budd, W. M. Mounfield, Latin, poeology, etc.: L. M. Budd and C. R. Eald (equal), Herbert F. Crooks, Practical chemistry: A. P. Roberts, Bart C. Loft, Robt. P. English, Chemistry: L. M. Budd, A. P. Roberts, F. English, Physics: Herbert F. Crooks, C. R. Eald and W. M. Mounfield (equal), Biology: Florence Y. Boyce, Luther M. Budd, Wm. M. Mounfield.

The supplementary examinations will be held at 9 a.m., Jan. 2, 1919. The lectures of the senior term will commence on Jan. 3, 1919, at 10 a.m.

City Gets Judgment For \$24,000 Against T.S.R.

By the judgment handed out by the first appellate court yesterday, a Christmas box to the extent of \$24,000 has been handed to Toronto. The judgment upheld the penalty of that amount imposed by the Ontario Railway and Municipal Board on the Toronto Railway Company for failure to provide 100 additional new cars on their service by January the first, 1918.

The order further provides that another 100 new cars be ready by January 1, 1919. Assistant City Solicitor Fairly, who conducted the case, holds that a further fine of \$24,000, covering the period from April 17 up to the present, can also be collected. He will recommend that the board of control approve the order.

It will teach the Toronto Railway Company that they must obey the railway board and the courts," said the learned judge.

The judgment was written by the chief justice of the court, who says: "That the appellant did not comply with the order of the board of control of the 27th of February, 1917, is admitted, but it is contended that, in good faith, made all possible effort to comply with it, but was unable, owing to the war and other conditions, to get cars built or to obtain the steel and the labor necessary for the building of them; that work had been undertaken by the appellant itself."

SAVING MADE EASY.

In their efforts to get again upon their feet financially the nations are falling back upon the good old method of saving. Where there were who imagined that progressive nations had got beyond this method, but they have not. All authorities agree that saving is the means through which normal financial and industrial conditions can be restored.

Those who administer the finances of Canada have wisely concluded that chiefly thru saving this country will resume its normal industrial and financial life. It is the basis upon which confidence can be restored and provision made for the extended operations of the future.

The War Savings plan recently announced by the Dominion Government has provided an admirable method for the gathering up of the surplus money of all the people. It is simple, sound and produces splendid returns in the form of interest. The plan is this—pay \$4.00 now for a War Savings Stamp and in January, 1924, the government will pay \$5.00 for the same. This is saving made both easy and profitable.

BANK FINED.

James Ross appeared for the Bank of Hamilton in the police court yesterday, charged with a breach of the bylaw which prohibits smoke from a furnace becoming a nuisance. The bank paid \$25 and costs.

A. E. Bullock was charged with selling highly adulterated maple sugar. He paid \$44 and costs.

D. Mills paid the same for a like charge.

ARCHIBALD FOR CONTROLLER

Mr. Elector:

Do you believe that some new blood should be infused into the Board of Control?

Do you believe that the health and lives of the children should be preserved by the provision of proper playgrounds?

Do you believe that the pay-as-you-go principle should be followed and economy consistent with adequate service practised?

Do you believe that the council has something more than the city's material welfare to promote, that it must also pay attention to the city's moral condition as well?

If You Do—

VOTE FOR ARCHIBALD

TRUCKS! TRUCKS! TRUCKS!

FOR SALE BY THE ROYAL AIR FORCE TRUCKS

THE UNIVERSAL CAR CO., LIMITED 621 Yonge Street

FORD DEALERS

The Royal Air Force have consigned to us 57 Ford one-ton trucks. These trucks have only been in service on an average of six months. They have been thoroughly overhauled and painted and are in A1 condition. Some of these trucks have canopy tops and can be used for carrying passengers, and some have stake sides. They all have double ventilating windshields. This is a great opportunity to purchase a ton truck at an exceptionally low price. They will be sold either for cash or on the time plan, which means one-third of the purchase money in cash and the balance in ten equal monthly payments. Anyone wanting a truck should not delay in looking these over at once, as they are to be sold without reserve.

THE UNIVERSAL CAR CO., LIMITED 621 Yonge Street Phone North 2400

TWO TRAINLOADS OF HAPPY HEROES

Melita Men Arrive at North Toronto and Receive Warm Welcome.

Two troop trains with all the men for this district who came over on the "Melita," numbering 300, arrived at North Toronto station last evening. The friends and relatives lined the passageway, which was roped off, and filled the waiting rooms. There were also other hundreds who had expected no relatives, but who turned out with grateful hearts to welcome Toronto's heroes back.

The first train arrived at 6:55, on time. "On the 15 coaches were chivalrously plied legends, such as "Did we win, Willie? Well I guess," and "From Mons." The men quickly detoured, and those whose homes are in Toronto were directed down to their loved ones waiting for them. Nearly all were carrying their rifles and bayonets, with their trench helmets and kits strapped on their backs. As all rifles were handed in and a receipt given for them, there was a slight delay for "out-of-town" men, but in a few minutes all were cleared and on their way to the Red Triangle Club, where they will be taken care of until tomorrow.

At 7:30 the second train arrived, and in ten minutes the train platform was cleared and most of the soldiers were on their way to those who have watched and waited for them since they left, some over three years ago.

In Collision. Col. Ginn, D.O.C., Mayor Church, Mayor Gibson and many other military and civil personages were on the platform.

When questioned as to their treatment coming across, they had nothing good to say about the Melita, but they were warm in their praise of the comforts provided for them on the train. Every berth was fitted with good mattresses and blankets, and the food was excellent.

A slight delay was caused to the first train when but a few miles from Montreal. The troop train ran into an empty freight train, probably over an open switch. No damage of any kind was done to the troop train, but several of the freight cars were smashed.

A great deal of praise is due the C. P. R. line for bringing two troop trains in within half an hour of each other, and also to Major Goodwin Gibson for the quick disposition of the men.

WILLS AND BEQUESTS. Mrs. Lucrezia Querques, who died Sept. 13, 1917, left an estate valued at \$10,837, which will be divided between three children and two grand-children. One bequest gives \$50 to Rev. Father Vigilanti, of the Church of Our Lady of Mount Carmel, for masses for the repose of her soul.

Daniel Haney, a laborer, who died Dec. 8, left an estate of \$372, which he directed to be divided between his sisters, Mrs. Hattie Dunlop, Mrs. Eleanor McIven, his brothers, John, James and Samuel, also the five children of his dead sister, who lives in the old country.

Alfred W. Curry, a shoemaker, who died Nov. 6, left an estate valued at \$3,665, to be divided between two sisters and two brothers.

Mrs. Christina Dix, who died at Woodbridge, Nov. 2, left an estate valued at \$2601. It will be divided between three sons and two daughters.

GARRETT BOYS SAFE. Flight Lieutenant Beverley Garrett has arrived in London, was the word received by cable by his father, A. N. Garrett, sporting editor of The World. Lieut. Garrett was held in a German prison camp for six months. He was formerly well known as a Rugby player, as was also his brother "Dad" Garrett, who is now convalescing from wounds in London.

Immediate Spot Delivery BABBITT SOLDER PIG LEAD PIG TIN ALUMINUM ZINC CARLOAD LOTS OR LESS THE CANADA METAL CO., Limited TORONTO

"RED SHIELD" DRIVE FOR ONE MILLION WILL ADD TWO WINGS TO KINGSTON HOSPITAL

The Salvation Army is about to launch a campaign to raise one million dollars for war and demobilization purposes.

The Duke of Devonshire, governor-general of Canada; Sir Robert Borden, Sir William Hearst, Sir Wilfrid Laurier and many other prominent citizens have endorsed the scheme, and strong committees have been formed for the purpose of boosting the object.

The Salvation Army intends to use the money for three purposes: (1) To establish hostels for returned soldiers who are discharged and in need until they are absorbed into industrial life.

(2) To provide emergency receiving and maternity homes for soldiers' wives and dependent children in need.

(3) To continue during demobilization in England and France the equipment and comforts already provided by the Salvation Army for the Canadian soldiers overseas.

The campaign will be from January 19 to 25.

WEST COMES TO EAST TO STUDY NEUROLOGY

Officers of the army medical corps from all over Canada are recognizing that Toronto has the best neurological equipment in the country. Acting under orders from the director of medical services, Capt. B. H. Manchester of Vancouver neurological military hospital, has arrived in Toronto and will study the method used by the central consultant to systematize the methods now in use in the hospitals, instead of each running separately as is now the case.

THE STANDARD BANK OF CANADA

QUARTERLY DIVIDEND NOTICE NO. 113

NOTICE is hereby given that a Dividend at the rate of THIRTEEN PER CENT. PER ANNUM upon the Capital Stock of this Bank has this day been declared for the quarter ending 31st of January, 1919, and that the same will be payable at Head Office in this City, and at its branches, on and after SATURDAY, 4th of February, to Shareholders of record of the 23rd of January, 1919.

The Annual General Meeting of the Shareholders will be held at the Head Office of the Bank in Toronto, on Wednesday, the 26th of February next, at 12 o'clock noon. By order of the Board, C. H. EAISON, General Manager.

SATURDAY MORNING DECEMBER 21 1918 LOW-GR... GLU Dealers Ho... Shoul... Many peop... impression... ing suppl... Canada... or better... in his coun... of a local... rect. Wo... the 74 per... and the all... ally the sam... ada; but t... the substit... Regulations... tutes which... September... length of tim... both wholesa... conerned, to... a supply of... are now pra... of These re... retailer to... tates to eve... and several... did not hand... dinary way... lay in a sup... order to be... tomers in t... "What we... a very bad... in this resp... siderably ov... tates were g... to eat, why... take a... and divide w... are good? ... the talk abo... find with t... stocks on h... tremendous... "It is not... what each... hand that co... sent situat... "as his ovi... large to him... or 40 pound... gate the loss... the regulati... the general... dealer to f... adjustment... got nicely... were told th... tutes, and th... notice wha... loading up... to use these... when they... not urge... treatment of... in this resp... a trifle unfa... NO QUAR... Calls for... the influen... received by... ment of he... prevalent in... today a doc... sent north... Lake. A c... expense inc... government... places the... and this in... penditure o... of the commu... will no dou... epidemic is... Speaking of... M. McCullo... health offi... flour in b... in the w... cacy of qu... ement. It... made the... could not... measures... IMPORTANT... SERVICE... Effective... Train no... a.m. for O... am. except... Train no... for Montre... except Sun... Train no... leave Ottaw... Toronto 8... Train no... nel Termitt... will leave... Sunday... Train no... p.m. for C... p.m. daily... Train no... for Montre... daily... Train no... arriving T... Ottawa at... ronto 7:45... Train no... Terminal... leave at 5... For inte... times eq... agent... BOYS... Consider... in the sa... parment... afternoon... two young... in the... is said... when he... Several at... other men... Laid over... over the... who had... ill after 5... by release... Taylor Sa... after a fe... in openin... danger of...