

UNIVERSITY GOES IN FOR TESTING OF AEROPLANE MODELS

Speaker Explains Wind Channel at Meeting of Royal Canadian Institute.

GREAT FUTURE IN AIR

Canada, on Account of Great Distances, Should Be in Forefront.

Speaking under the auspices of the Royal Canadian Institute at the University Schools of Aeronautics, J. H. Parkin, University of Toronto, stated that the University of Toronto had authorized the erection of a wind channel for the purpose of testing models of aeroplanes. This wind channel is a wooden tube, through which the air is drawn by a propeller. It will be four feet in section, 38 feet in length, and will be placed in the thermodynamic building, where it will be set up on steel supports about six feet off the ground. Under this model will be a delicate balance known as an "aero-dynamic balance," which is now being made in England. On the balance the model to be tested will be placed, and by aid of the measurements made by the balance, the behavior of the large machine in the air will be determined. The model will also be placed in the tube and the air drawn past the model, which will also show how the full size machine will behave in the air. The cost of the whole apparatus will be about \$4000, and will be the only one of its kind in America, and will be an exact copy of those in the physical laboratory at Teddington, England.

Illustrated by Slides. By the aid of about 60 slides Mr. Parkin described the various types of heavier than air and lighter than air machines, and also the development of the airplane from the kite down through the "glider" to the present speedy planes. He explained the tri-plane, used to some extent for fighting on account of its having a greater lifting power. This machine, he pointed out, was practically a new departure, and consequently not being used much. He stated that a quadco-plane had also been tried out by the British, but no facts had been made public concerning this. The monoplane, the pioneer of the airplane, was seldom used now on account of the difficulty experienced in getting a strong enough wind structure, with the result, if the engine failed, that the machine would tend to snap off. In emphasizing the wonderful development made in a short time he stated that a year ago the engines used were about 160 horsepower, now engines of 360 horsepower are being used. Referring to the various controls of machines, he explained the three-rudder system, which is universally adopted, consisting of the "elevator," the "wing-warrior," or "ailerons," and the "rudder." The first of these, the elevator, was to set the machine for the proper altitude for climbing. The second, the "wing-warrior," was used to correct the "rolling" of the machine, and to assist in the steering, and the rudder, which was for steering. The different types of propellers and engines were also touched on. The propellers were made up of six laminations of planks of mahogany or black walnut, which are glued together and then curved by hand and polished. These propellers make about 1200 revolutions per minute. He pointed out an interesting fact when he stated that the machines used by the allies have large elevators and rudders, and smaller tail planes, while those used by the Germans have smaller elevators and larger tail planes. The propellers were very slow to control, but to some extent are "foot" propellers. That is, they do not require such skilled pilots as the machines of the allies.

In conclusion, he pointed out the great field for aeronautics in Canada on account of the great distances that have to be traversed between centers of population, and maintained that aircraft should be available for postal work, fast express, fast passenger traffic, coast defence, fire ranging, and for general policing over the vastness of the west and the great northwest territory, and pointed out the fact that the University of Toronto would now be in the position to assist in this work.

MUSIC FOR EASTER

The big piano sale now on at Heintzman Hall, 133-135 Yonge street, provides a grand opportunity for many people to secure a piano at a very low price and on easy terms. The big piano sale is on every Tuesday and Thursday, and there is a piano already made there will be music in many homes this Easter where there was none. The firm's shows are open every evening during the sale.

DEAD OF ESCAPING GAS

Edward Millar, East Toronto, Found Unconscious in Room and Later Dies.

Edward Millar, of 76 Main street, East Toronto, employed as caretaker at the Kimberley School, was found by his housekeeper in his room about 7:40 Saturday morning in an unconscious condition. Dr. Demary, of 2 Lyall avenue, was immediately called, and found the man dead. The room was full of gas, and it is thought that Millar got up in the night, lighted a gas, and did not return it off properly. Coroner Johnson was notified, but decided that no inquest would be necessary. Millar, who lived by himself with the exception of his housekeeper, was well known in the district and had been an eventful career, and on one time was nearly scalded to death, besides being in several wrecks.

INFANT'S BODY FOUND

The dead body of an infant male child, about one week old, was found by County Constable McMullen Saturday afternoon in a scarlet flannel rattle opposite the golf grounds. The body was removed to W. Speers' undertaking rooms at 226 West Dundas street, where an inquest will be opened Monday night by Coroner Dr. G. W. Clendenen.

COME TO TORONTO TO GET POINTERS

Splendid Campaigns for Patriotic Purposes to Be Studied.

FAME WIDESPREAD

Edward Harding Speaks of Need of Fighting German Propaganda.

"We feel in the United States the great need for more effective combating the German propaganda by every means at our disposal—patriotic means, forceful speakers and the most approved methods of raising the matter," said Edward Harding at the King Edward last night. He is chairman of the Boy Scouts of America and a member of the executive committee of the national committee of the patriotic societies of the United States, which includes 44 of the most important patriotic associations of the country.

"Our object in coming to Toronto," he said, "is to study the splendid campaigns Canada has carried out under the leadership of Toronto, which started with the apple campaign of 1914 and ended with the Victory Loan campaign last fall."

"We have already found a number of helpful suggestions and have got much inspiration."

"We are particularly interested in stimulating ship production in the American shipyards by getting before the workers the vital facts of the need for ships in order to successfully supply the allied troops with ammunition and supplies."

RETURNED MEMBERS ARE GIVEN BANQUET

St. John Ambulance Brigade Honors Those Who Have Been Overseas.

At a banquet tendered to a number of the returned members of the St. John Ambulance Brigade from active overseas service and held at Young's banquet hall on Saturday night more than 100 invited guests and members of the brigade were in attendance. Brig-Gen. Sir Henry Pellatt, deputy commissioner for Canada, who was accompanied by Lady Pellatt, was toastmaster of the evening. Among those present were many who have been prominently identified with the movement since its inception.

Sir Henry, replying to the toast of the order of St. John, recounted some of the difficulties encountered in placing the work of the order before the Canadian public, and said that over 30,000 first-aid and home nursing certificates had been granted in Canada since the movement started, and that 350 men had left Toronto alone for active service while 400 had gone from other districts in Canada, and a large number of probationers and nursing sisters had likewise left Toronto and other districts in Canada.

Splendid results had been attained from the first-aid instructors who had been taken on the strength of the army, and who have been engaged in training the troops in practical first-aid work since January, 1916.

ALLEGED BOYS WERE RACING HORSES

Woman is Injured and Four Boys Are Arrested As Result.

As the result of four youths riding on horseback in the city streets, Mrs. Helen Barton, 18 Sumach street, is in St. Michael's Hospital suffering from severe scalp wounds and a fractured leg, and four youths are under arrest. One, Victor Elphick, 108 Sydenham street, is arrested on a charge of criminal negligence, and three others, James Jackson, 27 Sutton avenue, Alton Towers, 87 Sutton avenue, and Thomas Weston, 177 Sumach street, are charged with being disorderly.

According to the police of the division the youths, all of whom are between sixteen and eighteen years old, were riding the horses from the plant of Marchmont Sanitary Company, 123 Victoria street, to the firm's stables which are a few blocks distant, when the boys struck and knocked down a woman, who was riding a horse, and the boys were racing the horses when the one ridden by Elphick, who is charged with criminal negligence, struck down and trampled on the woman.

The four youths will answer to the charges in the police court this morning.

DOMINION PERMANENT TO BE DISCUSSED

Seed Grain Liens in West Will Also Be Considered at Meeting.

The annual meeting of the Dominion Mortgage and Investment Association is being held today under the presidency of A. D. Langmuir. Seed grain liens to the amount of \$13,000,000, was about \$5,000,000 still outstanding, will be discussed. The money for these liens to the amount of \$13,000,000, was distributed in 1915. The Dominion Permanent Loan Corporation, which failed recently will be another subject of discussion, as well as other trust and loan companies. There will be representatives from the associations in the western provinces which are associated with the organization.

MADE RAPID ADVANCE

First Put in Class E, Julius Bachrach Must Go.

Julius Bachrach, 327 Sherbourne street, of the firm of Bachrach and Co., was granted a license to drive a motor car until May 17, on business grounds, when he appeared before Judge Coady's tribunal Saturday. He claimed that his eyesight was bad and that he was not fit for Class A. When first examined in September last he was put in Class E. He was subsequently examined on four different occasions, and each time advanced one class until he reached Class A.

TWO UNDER ARREST

Daniel M. Keller, 192 Simcoe street, was arrested Saturday on a warrant, by Policeman Winters on a charge of seduction. Dorothy Pickering, of the same address, is being held on a charge of vagrancy.

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A Sale of Dress Materials, Principally in Black Today, Half-Price and Less, 50c, 98c and \$1.25 a Yard

We fully expect a crowded Dress Goods Section at opening hour this morning—for this sale comes along opportunely at a time when many women are lamenting over the high prices of all wool materials—and, needless to say, values like our sale prices are simply unobtainable in the regular way.

Let us make it clear that most of the cloths to be on sale are black. The 50c a yard group contains colors, but the 98c and \$1.25 groups are made up altogether of black weaves. These materials will be displayed on three special tables in our Dress Goods Section. The sale will commence at 8.30 this morning.

Table 1—Wool Voiles, Wool Filets and Wool Marisettes, also some silk and wool mixtures, all light weight materials, of widths 42 to 44 in. The colors are navy, black, brown, purple, tan, rose, green, grey, castor, taupe, Copen, etc. Regularly \$1.00 to \$1.50 a yard. To clear today at 50c

Table 2—A collection of Black Dress Materials, including em-broidered wool voiles, wool crepe, silk and wool crepe, marisettes, short length of coating and various other fabrics. These are materials of which the old prices range from \$2.00 to \$3.50 a yard. Today's price 98c

Table 3—A splendid choice of Black Dress Materials, including wool crepes, grenadines, embroidered voiles, cut velours, and so on, many of these exclusive dress patterns, also an end or two of heavy corded silk. These fine materials are regularly \$3.50 to \$4.00 a yard. Today \$1.25

Wool Pullovers for Little Girls, \$3.50 Each

With no one is the new Wool Pullover more popular than with little maidens of four to ten years. We have a particularly nice line for these young people.

They're machine knit, in what is known as the "hand-knit stitch." You'll think they were done by hand when you see them. The colors are rose, Copen and tan, with white stripes at lower edge; also white with blue stripes. The price for each \$3.50

Stamped Linen Towels At a Year Ago's Prices

Our Art Needlework Section in the Linen Room is a department that is increasing its usefulness more and more as time goes on—and this fact gives us the keenest satisfaction.

For today we've planned a special showing of Stamped Linen Towels, plain and fancy huckaback, all stamped, ready for embroidery, and offered at the prices of a year ago.

25 dozen Pure Linen Guest Towels, size 15" x 25", fine quality huck, stamped for embroidery in the prettiest design. Exceptional value at 49c

25 dozen Pure Linen Duck Towels, size 20" x 35", beautiful duck pattern, stamped for embroidery in very attractive patterns, some having space for 69c

25 dozen Pure Linen Damask Huck Towels, size 20" x 35", beautiful damask pattern, stamped for embroidery in various designs. The best, at value at \$1.25

Such Pretty Easter Cards

The widest and nicest choice awaits you in our Stationery Section. Easter Cards suitable for everybody, many of them delicately tinted in the loveliest of mauve and purple colorings. The prices range from 5c to 35c

A Sale of "Kayser" and "Niagara Maid" Silk Gloves Black, White and Colors, \$1.00 to \$1.35 Qualities at 85c

We have 100 dozen pairs of these very fine Silk Gloves to place on sale today—it's the best glove feature in months. Make a point of sharing in the unusual value.

KAYSER AND NIAGARA MAID SILK GLOVES—including a special purchase, as well as a clearance of our odd sizes and broken lines. In the lot are plenty of all sizes, from 5 1/2 to 7 1/2, and the color range includes black, white, grey, pongee and mastic, some with black points. These gloves will be on sale at one of our special tables near the King Street Entrance. The regular prices are \$1.00 to \$1.35 a pair. Wonderful value at today's price 85c

(No phone or mail orders.)

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KNOWLEDGE OF VALUES NOT SENTIMENTAL BIAS

Greater Toronto Labor Party Discusses Employment of Aliens.

Henry Somerville, of Ruskin College, Oxford, in the course of his address before the Greater Toronto Labor party at the Labor Temple upon the ethics of labor, yesterday afternoon expressed his conviction that the enemy alien should not be enslaved as outlined in the program of the G. W. V. A., but if really proved to be a danger to the country, should be interned. He assured the G. W. V. A. at the convention which is to be held on Friday next.

NEEDS OF MILITARY

Million and a Half Dollars to be Spent Here.

One and a half million dollars, instead of \$1,000,000 will be spent on Toronto and Long Branch military buildings within the next few months, according to the latest word from Ottawa. The new buildings will be situated in High Park; headquarters and barracks at Long Branch for the new Toronto District Depot, which will take care of returned soldiers, and the garage of military ambulances to be erected alongside the Toronto Armories. It is stated that Lt.-Col. R. S. Wilson, commander of the new depot unit, will move his staff from Toronto to Long Branch immediately on the accommodation becoming ready.

TWO YOUTHS ARRESTED.

Are Charged With Theft of Motor Car.

Charged with the theft of a motor car from J. D. Allen, 41 Willocke st., two youths, Howard Mitchell, 189 Simcoe street, and William Cook, 274 1/2 King street, were arrested last night by Plainclothesmen Ward and Scott, of West Dundas street, where they stopped to pick up some friends. The youths were accompanied by the police officers before they could gather enough speed to get away.

"KEN" MACLAREN WOUNDED.

Justice MacLaren received a cable on Saturday telling him that his son, Capt. Kenneth B. MacLaren, had been slightly wounded and gassed, and was in hospital in France.

Andrew's motor from in front of St. Andrew's church during the service and drove it over to Jarvis st., where he stopped to pick up some friends. The youths were accompanied by the police officers before they could gather enough speed to get away.

ADDS TO \$6000 SALARY.

New Act Means Thousands of Dollars for Mr. Corley.

J. Seymour Corley, K.C., crown attorney, appeared before the board of control on Saturday morning in regard to the new act passed by the legislature under which he is to receive \$5 for every B.O.T.A. case handled by him. He pointed out that this act would add several thousand dollars a year to his present salary of \$6000 a year.

MOVE TO LONG BRANCH.

The headquarters of the new district depot for caring for the returned soldiers will probably be moved to Long Branch as soon as the proposed casualty unit is established there. Ad-

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Railways Only to Announce Time of Arrival of Trains

In the future the railways will make all official announcements regarding the time of arrival of troop trains in Toronto. This decision was reached after a conference in the mayor's office Saturday morning. The new plan, it is thought, will obviate the host of unofficial statements that are given out before each train arrives. Those at the conference were Col. Clarke, director of transports, J. T. Arundel, of the C.P.R., G. Jones of the G.T.R., W. H. Farrell, J. W. Somers and the mayor.

MOVING TO LONG BRANCH.

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total expenditures for military build-ings in Toronto will be more like \$1,500,000 than \$1,000,000.