BIG PROBLEMS WHICH AUSTRALIA IS FACING

Premier Hughes Outlines Work For Proposed New Laboratory Organization in the Commonwealth---What Science Can Do.

A few days before leaving for London, England, Premier Hughes, of Australia, attended a conference of distinguished scientists, looking to the establishment of a new laboratory scheme for adoption by the Commonwealth. In the course of his remarks, he said: "I have a profound conviction in the destiny of this great country. Its future is bright with promise. To paraphrase the word of John Milton 'I see a puissant nation mowing her mighty youth, her fertile lands smiling with green pastures and waving corn, flocks and herds innumerable, and a free and virile people widely spread through her far-flung heritage; I see her a great nation, with outstretched arms encircling a continent; her feet lapped by the waters of two oceans, standing erect and gazing with clear and friendly eyes upon a world which has no cause to fear her, and which she does not fear.'

"Science could make rural industries commercially profitable, making the desert bloom like a rose; it could make rural life pleasant as well as profitable. Science could develop great mineral wealth, of which after all only the rich outcrop had yet been exploited. It could with its magic wand turn heaps of what was termed refuse into shining gold; and, by utilization of by-products make that which was unprofitable to work profitable. Science would lead the manufacturer into green pastures by solving for him problems that seemed insoluble. It would open up a thousand new avenues for capital and labor. And, lastly, science thus familiarized to the people would help them to clear thinking; to the rejection of shams; to healthier and better lives; to a saner and wider outlook on life."

The following, said Mr. Hughes, were some of the problems awaiting solution.

Eradication of vegetable pests, such as brickly pear, Bathurst burr, Nagorra burr, California thistle, Darling pea, St. John's wort, onion grass, poison plans, etc.

Eradication of animal and insect pests, such as rabbits, flies, tick, mosquitoes, white ants, mice, locusts, codlin months, etc.

Liquids for branding sheep and cattle that will be harmless to skins.

Preparation of skins for market, and removal of wool and hair, prior to tanning.

Maintenance of high class types in sheep, cattle and horses.

Scientific method of killing, dressing and classifying meat for export.

Possibility of establishing carbonizing works for the removal of burr and grass seed from wool.

Utilization and recovery of by-products from blood, bones, glue, gelatine, etc.

Prevention of evaporation and absorption of water from tanks and dams.

Utilization and purification of artesian water for irrigation purposes.

Cultivation of Australian saltbrushes and indigenous grasses.

Re-establishment of salsolaceous plants on alkaline soils in dry districts, with and without artesian water.

Cultivation of medincinal plants.

Cultivation of fibre plants, for paper making.

Manuacture of nitrogenous fertilizers from the atmosphere.

Manufacture of nitric acid from the atmosphere.

Production of potash salts for agriculture.

Reduction of losses of coal in coal-mining, recovery and utilization of by-products of coal and coke industries.

Recovery of zinc from its ores.

Manufacture of calcium carbide.

Manufacture of alkalies.

Production by electric furnace of ferro-chrome, ferro-tungsten, ferro-molybdenum, ferro-mangenese, ferro-titanium, ferro-nickel.

Production of aluminum and its alloys.

Recovery of sulphuric acid, arsenic, etc., from minerals.

GERMAN POLICY TO SINK ON SIGHT UTTER FAILURE

British Naval Experts Quite Confident Submarine Blockade Will Never Succeed in Starving England.

LONDON, Mar. 23.—With two weeks of the new German submarine campaign against Great Britain already past, it is asserted on high authority that, so far, it has proved an utter failure. Since March 1, when the Germans were supposed to have entered upon their fresh activities in British waters, the actual number of ships torpedoed has been relatively fewer than before.

When the Germans announced that they intended sinking British ships indiscriminately, the British authorities replied that the Germans had been trying to do that same thing ever since the war began, and that only the vigilance of the British navy had prevented their succeeding in the measure desired. The logic of that argument is proved, the Times' correspondent's informant said to-day, by the fact that the Germans have been unable to make any headway with the renewed campaign. It is not denied that a flock of German submarines has been let loose since Mar. 1. The fact is, they have come into the North Sea, but the most of their activity has been in sowing mines, which they have been attempting to do on a gigantic scale. The British navy has not been idle, however, while this mine-strewing has been going on.

In connection with the failure of the new German submarine war, it is recalled here that exactly the same situation exists now in Germany as in the earlier phase of the submarine warfare when the difference of views of Admiral von Tirpitz and Chancellor, von Bethmann-Hollweg resulted in the admiral's contracting and illness which was supposed to be diplomatic. Von Tirpitz is now reported ill once more. It is thought that the Chancellor's opposition, to some degree at least, may account for the apparent lull in the submarine campaign against merchant vessels, although reports that Germany has postponed the new campaign in deference to America is not credited here. In any case, the British naval experts express the fullest confidence in the ability of the navy to prevent such decimation of British ships as Captain Persius and other German prophets predicted would reduce the British to starvation within two months of March 1.

Mother (at the party)—"Why did you allow that young man to kiss you.

Daughter—"Why, Ma!"

Mother—"Oh, you needn't 'why, ma, me. One side of his nose is powdered and one side of yours isn't.

THE NICKEL---MONDAY AND TUESDAY

The Broadway Star-Feature Co. presents,

" A FLORIDA ENCHANTMENT "

A farcial fantasy in five parts, by Archibald Clavering Gunter, with Sidney Drew, Edith Story and Charles Kent in the title role

"THE CHOIR BOYS."—A dramatic offering that will appeal to all who are fond of human interest stories.

"THE SHADOW AND THE SHADE."—A two part social drama. This production is a vivid, impressive and powerful dramatization of love and intrigue. Full of action and of exquisite photography.

Performances Throughout the LENTEN SEASON for the City RELIEF Fund.

THE F.P.U.

Come all ye solid Union men, come
listen unto me;
Come listen and I'll tell you what,
our Union seems to be:
Its watching all the merchants, its
creeping at their door;
The F. P. U. is ruling, and will for
Ever more.

The Union here in Bay de Verde, its
growing very vast.
We have our little Union Store and
to it we'll hold fast.
Mr. Soper came for to take stock, so
all the people know,
And its said he brought here with him
a heavy fall of snow.

The train came down to Northern
Bay, and their she got hung up;
She was bringing some mail matter,
also some Union stuff;
She went back again to Carbonear,
so all the people know,
But if she had to follow on she would
get through the snow.

The people felt dissatisfied, when the
the train, she got hung up.
John Lockyer joined the Prospero, all
for to try his luck.
He took the train in Trinity and went
to St. John's town.
He hired the S. S. Mary and the
freight she did bring down.

When the Mary came here the weather it was fine.
We landed all the cattle feed and likewise all the line.
So now the knitting did commence,
and the work its very hard.
Now just imagine when your done
you'll get five cents a yard.

When the 'Mary' did come down she
left some goods behind,
Which meant a ride to Carbonear for
boxes and for twine.
The weather it was sociable, so all
the people know,
They weren't caught upon the shore
in any of the snow.

Long rubbers now, there [illegible]
the black ones, white and red.
Some men don't approve of them,
they like the leather boot instead.
On ice they are not comfortable, the
boys all say that,
Especially the latest style with the
white around the tap.

Now to conclude my song I have just
a few words more,
I hope now that ye won't give up,
trading with the Union Store.
The prices are reasonable, and some
are very small,
And I hope that all will keep their
bills for discount in the Fall.

"OBITER DICTUM."

Bay de Verde, Feb. 22, 1916.

Newfoundlanders Favourites with Scotch Lassies

Newton Park School,
Ayr, Scotland,
January 19, 1916.

Dear Mother,—Just a few lines to let you know I received your letter, which is the first I have received since I enlisted. We are having a fine time here in Scotland, these Scotch people are very nice people, and Scotland is a very fine country.

We haven't had any snow since I have come across, and little frost. I have seen colder days in summer home than the weather is here now. Of course the people think it is very cold but I think its only summer compared with the winter we get home. When I think of January month I can hardly realize where I am or what has happened.

When you write let me know if Father get the money I left for him.

We are doing our shooting now every fine morning. We go on a train to a town called Irvine; just outside this town we go shooting on the range. I am getting a crack shot now. When I come home I will be able to shoot a deer alright, but I hope I will have the privilege of getting a few Turks or Germans for my hand.

The Scotch people here got up a big dinner for us the other night, for all of us Newfoundlanders. We had a sporty time. There was a concert after the dinner, and lots of beer and cigaretts. The Scotch lassies are wonderfully taken up with the Nfld boys.

You can remember me to all the friends, especially the young ladies of Rattling Brook. Give my best respects to Rye, tell him I hope he's earning lots of money, also give my respects to the boys of Rattling Brook, and all the family.

I'll now close by wishing you and father and all the family a prosperous New Year,

Your loving son, WILL.

[The above writer is a son of Mr. and Mrs. John White of Rattling Brook, N.D.B., and is a member of the F. P. U.]

THE CRESCENT PICTURE PALACE.

"HOUOR THY FATHER"

A Kalem feature in 3 parts, featuring Alice Hollister and Harry Millarde.

"JUST RETRIBUTION"

A Lubin Drama with Armi Howley, Earl, Earl Metcalfe, and Kempton Greene.

"THE EVOLUTION OF CUTEY"

A Vitagraph Comedy, featuring Wally Ban.

GOOD MUSIC AND EFFECTS.
A COMFORTABLE AND WELL VENTILATED THEATRE.

COOPERS, ATTENTION!

We are Sole Agents for the BEST BARREL HEATER in the Country. We have them now ready for delivery.

R. CALLAHAN, Water St.

NOTICE!

All Local Councils, in the District of Twillingate, will please send their district assessments of Five Cents per member, to Fred. House, jr., District Treasurer, Twillingate.

W. B. JENNINGS, D.C.

New Records Created by The Sun Life of Canada

PROGRESSIVE business methods, backed by forty-five years of fair-dealing, have achieved for the Sun Life of Canada during 1915 records that are new in the Canadian life assurance field.

Assurances of over $34,000,000 issued and paid for in cash; Total Assurances in Force of over $250,000,000; Total Payments to Policyholders since organization of more than $52,600,000; Assets in excess of $74,000,000; a Cash Income of nearly $16,000,000 and an Undistributed Net Surplus of over $7,500,000—all are high-water marks in the annals of Canadian life assurance.

Their achievement maintains the established prestige of the Sun Life of Canada as

A Leader Among the Life Companies of the Empire

The following substantial and uniform increases registered during the past year clearly demonstrate the strength of the Company's position:—

	1915	1914	INCREASE
Assets as at December 31st.	$ 74,326,423	$64,187,656	$10,138,767 (15.8%)
Cash Income	15,972,672	15,052,275	920,397 (6.1%)
Surplus Distributed to Policyholders	985,487	861,763	123,724 (14.3%)
Net Surplus as at December 31st.	7,545,591	6,503,794	1,041,797 (16 %)
Total Payments to Policyholders	7,129,479	6,161,287	968,192 (15.7%)
Assurances Issued and Paid for in Cash	34,873,851	32,167,339	2,706,512 (8.4%)
Assurances in Force	257,404,160	218,299,835	39,104,325 (17.9%)

The Company's Growth

YEAR	INCOME	ASSETS	LIFE ASSURANCE IN FORCE
1872	$ 48,210.73	$ 96,461.95	$ 1,064,350.00
1885	319,987.05	1,411,004.33	7,930,878.77
1895	1,528,054.09	5,365,770.53	34,754,840.25
1905	5,717,492.23	21,309,384.82	95,290,894.71
1915	15,972,672.31	74,326,423.78	257,404,160.42

T. B. MACAULAY, F. I. A., F. A. S., PRESIDENT AND MANAGING DIRECTOR.
S. H. EWING, VICE-PRESIDENT.
FREDERICK G. COPE, SECRETARY.

SUN LIFE ASSURANCE COMPANY OF CANADA

1871 HEAD OFFICE MONTREAL 1916

ALEX. BRYDEN MANAGER NEWFOUNDLAND DIVISION ST. JOHN'S, NFLD.

LARGE LABRADOR CODFISH

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SMITH CO. Ltd.

J.J. St. John

The TEA with strength and flavor is

ECLIPSE,

which we sell at

45c. lb.

ROYAL PALACE BAKING POWDER

20c. per lb. Small Tins 5 cts.

SCOTCH OATMEAL, PATNA RICE, JACOBS' BISCUITS, HARTLEYS' JAMS, 1s. and 2s.

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