

commission may be needed to get the Dominion and the provinces together on the question without delay.

Walter J. Francis introduced a motion which was passed unanimously by the meeting, that Canada's water powers should be developed as rapidly as possible so that we will be able in time to supply our own needs to a large extent, and not be a burden on the coal resources of our neighbors.

J. B. Challies urged that the Public Works Department, the Department of the Interior, and the Department of Railways and Canals should join forces in this problem, just as the United States departments have done in the recent Water Power Administration Bill.

### Engineering Involves the Dollar

Col. Anderson thought that the fuel situation is as much a financial topic as an engineering problem. The question is, where can we get the cheapest fuels to do the work? Mr. Ross replied that it is an economic problem entirely. It is a question of the dollar, but if engineering cannot produce the dollar, it isn't engineering.

In reply to a question about the oil sands of the Peace River District, Mr. Haanel said that they were too far from the sources of cheap fuel required to heat them to recover the oil. They contain only 10% to 12% bitumen, and it does not pay just now to haul a ton of sand a long distance to recover 200 lbs. of bituminous oil.

Col. Anderson called attention to some old experiments tried by the Royal Navy in regard to briquetted Welsh coal, and which were not thought to be very successful, while Col. Leonard brought to the attention of the meeting some experiments on anthracite coal dust, or culm, which have been very promising. Asphalt is used as a binder, requiring only one dollar's worth of oil asphaltum per ton of briquettes.

Jas. White called attention to the value of wood as a solution of the immediate fuel difficulties. General Bertram urged the development of all of our own resources, and instances which he cited showed that the general is a keen advocate of development within Canada, and that he had done a great deal in the past toward initiating Canadian enterprises for the working up of the country's raw materials.

W. J. Dick said that the coal fields in the United States are being rapidly exhausted, and that they may not be able to fulfil the requirements of that country for more than another ninety or one hundred years. The annual production is constantly falling off about 1% per annum, due to increasing difficulties in mining.

A. St. Laurent, assistant deputy minister of public works, urged that a study be made by the society of navigable rivers in reference to power development. He said that his department has to be very careful in permitting developments on such rivers. Not only must the interests of navigation be guarded, but also care must be exercised that in permitting one site to be developed, another better site be not injured.

J. G. G. Kerry did not want the society to discuss power development from financial and economic viewpoints. He thought the engineers should stick strictly to the technical or engineering side of such problems. R. A. Ross took issue strongly on this point, claiming that no body of men is better qualified than is the engineering body, to discuss the broad economics of such national questions. The whole matter is an engineering one. It is purely a question of tracking to his lair, the elusive B.t.u.

As a result of this discussion, the motion previously introduced by Walter J. Francis was again approved heartily by the meeting. The exact wording of the motion was as follows:—

"That this meeting recommend to council the appointment of a committee to make representations to the Dominion Government regarding the advantages and benefits of a progressive system of development of our fuel resources in combination with our water powers to the end that the best uses be made of all of our resources."

Tuesday morning's session was then adjourned.

### Unveiling of the Honor Roll

When the meeting was resumed about 3 o'clock Tuesday afternoon, Mr. St. Laurent announced that the honor roll would be unveiled by Lieut.-Col. S. H. Hill, in the absence of Col. Dennis, the president of the society, who had intended to officiate upon that occasion. General Wilson, commander of the Montreal military district, had been invited to unveil the roll, but his duties prevented his attendance. He sent as his representative one of the most distinguished members of his staff, Col. Hill, who had seen years of active service at the front with the Princess Patricias and with the 23rd Battalion.

Mr. St. Laurent said that he felt the unusual solemnity of the occasion, which would be an historic one with the society, particularly as many of those he was addressing had sons at the front.

"I myself," he said, "have a son on service, and I am proud of it. It would have been one of the lasting sorrows of my life if my son had not come to me two years ago and said he desired to go willingly to do his share at the front. However, I am not forgetting that many who otherwise would have been on the Honor Roll to-day have been kept at home and do their work here to ensure the victory and lasting peace we are all looking and working for."

The members then descended to the entrance hall of the society's building, where Lieut.-Col. Hill unloosed the flags which covered the Honor Roll.

"I have been asked by Major-General Wilson," said Lieut.-Col. Hill, "to represent him on this occasion. I find that you have 862 names on your Honor Roll. In face of such a record it would be fulsome on my part to add words of praise for the wonderful showing your society has made."

With regard to the Honor Roll, Lieut.-Col. Hill said that it is believed that over a hundred names should still be added, as there are 200 members of whom trace has been lost, and of whom it is believed at least half have enlisted for service.

Information has been received of the deaths of 58 of the members, most of whom were killed in action, and there is no doubt that others have fallen of whom no records have yet been received. In addition to these, no less than 65 of the members have been decorated for gallantry in action, including Corp. P. L. P. Lecointe, who has won the Croix de Guerre with a star (equivalent to a medal bar), who had been wounded, discharged, and was present at the ceremony.

One past president, Lieut.-Col. W. P. Anderson, had three sons at the front, all of whom had won the D.S.O. Another past president, G. H. Duggan, had two sons killed in action, while another past president, Sir John Kennedy, had lost a son facing the foe.

As an infantryman, Lieut.-Col. Hill spoke in appreciative terms of the manner in which he had seen the en-

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