



DISCOVERY STARTS ON LONG VOYAGE TO ANTARCTIC—The stout little ship which Sir Douglas Mawson will join at Hobart, leaving from Williamstown, Victoria, on Saturday.

**MEN OF THE DISCOVERY**

Many Types and Interests  
TALK WHILE AT WORK

They are good fellows, these men of the Discovery. Professional sailors, scientists, airmen. A mixed company, chosen with an eye to psychological as well as physical and technical fitness. They were all busy on Saturday preparing for their departure, says "The Herald," Melbourne, but they were ready to talk to you if they were allowed to go on with their work while they were doing it. They would not confess to any excitement, but their cheery indifference was only a mask.

Max Stanton, chief officer, was bustling about the bridge. He is an Englishman, but his six years in Australian waters have robbed him of his national characteristics. He was not with the Discovery on its previous trip; this is a new and enthralling adventure to him. "It means getting off the beaten track," said Mr. Stanton. "I suppose that is why the trip appeals to me. Then, of course, I'm keen on research work. Yes, I was rather lucky to get the job. There were about 100 applicants, but I think my sailing ship experience pulled me through."

"Strange Attraction"  
Flight-Lieut. S. A. C. Campbell was button-holed just as he was going below with a coil of copper wire in his hand. He had just supervised the final lashing of the aeroplane on the boat deck. "I went away before," he said. "Still, it's good to be getting away again. Once you have been there, the Antarctic has a strange sort of attraction. It should be good fun."

Mr. R. G. Simmers, the meteorologist, was hard at work on a packing case. He had scrambled into his canvas shoes and old grey flannel trousers as soon as he got on board. For him the trip had begun before the ship left the wharf. "I went away with the Discovery before," he said, "and I am glad to be going again, because the Antarctic is strange the first time. Now, with the experience of a previous acquaintance, I should be able to pick up some valuable data."

Excellent Experience  
Both Mr. A. Howard, chemist and hydrographist, and Mr. A. Falla, ornithologist, were in the previous expedition. They said it felt like being home to be back again with one another and "Simmo." "There is a large bird field to study down there," said Mr. Falla. "Penguins and Antarctic petrels will take up a lot of my time. I aim to make an extensive study of their nesting and feeding habits, and to collect specimens for the museum and for scientific purposes." "It is excellent experience," said Mr. Howard. "The Antarctic enables one to make unique studies. I shall be particularly interested in the relation between sea movements and marine life, and in fishing and whaling areas." And then only a quarter of the tale is told. But everyone on the Discovery has a story if he cares to tell it.

**LOAN RECORD**

£1,294,760 Subscribed on Tuesday  
SUPPORT FOR GROUP SYSTEM

Canberra, December 10.  
Loan subscriptions on Tuesday showed another satisfactory increase. The number of applications received was 3,325, which is nearly 800 more than Monday's record.

The amount applied for on Tuesday was £1,294,760. Altogether 23,368 subscriptions have been received, and the total amount subscribed is £13,535,340. Large sums that came in included £162,350 from the Permanent Trustees Company of New South Wales; £50,000 from Patons & Baldwins, Ltd., Launceston and Melbourne; £25,000 each Dunlop-Perdriau Rubber Co., Ltd., and Goodyear Tyre and Rubber Co., Ltd.; £16,700, Australian Mercantile Land and Finance Company's Pension Provident Fund; £15,000, Newcastle and Wallsend Coal Company, Ltd.; £10,180, Electrolytic Refining and Smelting Company of Australia, Ltd., and £10,000, Sydney Ferries Ltd., bringing its total to £30,000.

Instalment Subscriptions  
Under the extended instalment scheme approximately 2,000 officials of the Commonwealth Bank have subscribed among themselves £54,000. This is a record subscription from the Commonwealth Bank officials. In the Commonwealth public service more than 3,500 applications under the same plan have already been promised.

GIFT OF £100  
Canberra, December 10.  
Mr. T. G. Hopkins, of Castlereagh-street, Sydney, has forwarded to the Commonwealth Treasury a free gift of £100 towards the £28,000,000 loan. The Acting Treasurer (Mr. Lyons) said to-day that he accepted Mr. Hopkins's generous offer with the greatest pleasure. It was a most patriotic gesture.

**TREASURER BROADCASTS**  
Immediate Response in Adelaide

On Tuesday night an address by the Acting Commonwealth Treasurer (Mr. Lyons) in connection with the Commonwealth Redemption and Conversion Loan was broadcast throughout Australia. The manager of the Commonwealth Bank in Adelaide (Mr. T. C. Irving) stated yesterday that arrangements had been made with the Postal Department, that anyone wishing to subscribe to the loan or enquire concerning it, could do so by calling a certain number, which was announced to them on the air. At the Adelaide G.P.O., the Deputy Director of Posts and Telegraphs advised that to begin with he allocated one line, No. 1016, but that there were so many calls that he found it necessary to increase the number of lines to three. As showing how the broadcasting of Mr. Lyons's speech was received, Mr. Irving said that the G.P.O., Adelaide, on Tuesday night received by telephone 41 promises to subscribe to the loan—the total amount being £3,480. Of these applications eight were from country centres. Similar broadcasting will be carried out each night until the loan closes. To-night at 7.45 the Premier (Mr. Hill) will speak on the air at L.L.I. in support of the loan. It is suggested that anyone who has questions they would like answered on the air, would communicate with the Commonwealth Bank, and the necessary answers will be given.

Group System  
Support is being given to the group system of subscribing to the loan, and up to date more than 50 Adelaide firms have indicated that they will be lodging group applications on behalf of their employees.

**MATURING LOANS**  
AMOUNTS DUE NEXT YEAR

**SCIENTIFIC INSTRUMENT FOR ANTARCTICA**



Geiger Muller electron counting tube being tested out in the Physics Laboratory of the University, by Messrs. M. Hiffe (left) and H. Oliphant. It will be used on Sir Douglas Mawson's expedition, to conduct experiments in penetrating radiation.

**ANTARCTIC EXPEDITION TO BROADCAST**

**Australian Listeners Will Hear Regularly From The Discovery**

BEFORE Sir Douglas Mawson left Melbourne on Monday, he completed arrangements for broadcasting from The Discovery to Australian listeners. The Discovery will leave for the Antarctic on November 22, and listeners over all Australia will be able to follow the progress of the expedition.



THE DISCOVERY has been fitted with wireless for broadcasting to Australia during her expedition to the Antarctic.

The plans have been made by Amalgamated Wireless, Ltd., and the Discovery has been specially fitted with wireless equipment for her second expedition. The gear is Australian designed and manufactured.

Weekly talks will be sent from The Discovery, and they will be re-broadcast, so that listeners with ordinary sets may be able to hear the explorers.

The equipment on the ship includes the latest type of short-wave radio apparatus, which has been designed to withstand the severe climatic conditions. Preliminary tests and experiments with this gear have proved very satisfactory.

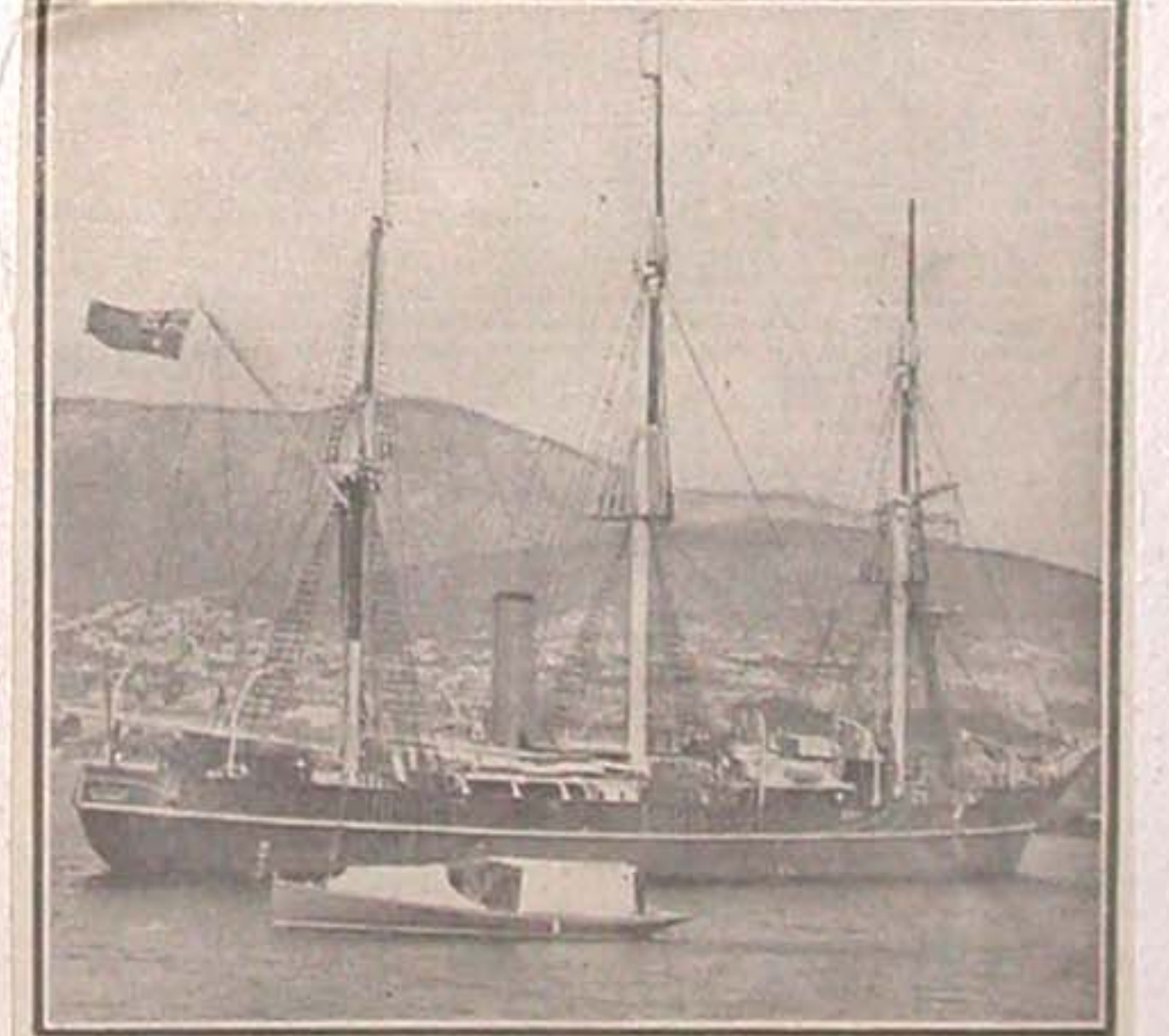
The set may be used for either speech or Morse, and includes emergency apparatus in any breakage occurs.

It was hoped to take a broadcasting plant, but the modern apparatus which will be used will enable the explorers to send frequent reports.

FOR S.A. LISTENERS  
The broadcasts will be sent over Australia through the chain of A class stations, and South Australian listeners will hear the talks through 3CL.

It is expected that transmissions will be sent at least once a week, and that Sir Douglas Mawson and other members of the party will be heard.

**DISCOVERY GETTING READY AT HOBART**



The important and exacting task of provisioning the Discovery for the long cruise of Sir Douglas Mawson and his men in Antarctic waters is now proceeding at Hobart. Next Saturday the ship will set sail for the white south, and Sir Douglas is personally supervising the loading of stores and equipment.

**MAWSON TO BROADCAST FROM ANTARCTIC**

**Powerful Set To Be Installed In Discovery**

MELBOURNE, Wednesday.—Talks from the Antarctic will be broadcast to Australia by Sir Douglas Mawson from the expedition ship Discovery when she goes south again. Early next month a powerful short-wave broadcasting set is to be installed on the ship at Williamstown under the supervision of the wireless operator, Mr. A. J. Williams, who was lent in the expedition by the Royal Navy last year. The new crew of the Discovery, numbering 16, has been signed on under English articles, and the ship will sail for Hobart on Saturday week. Sir Douglas will travel to Tasmania by the Nairana, and will board the Discovery at Hobart on November 16.

**DISCOVERY EXPEDITION**

**Additional Coal Supplies**

"We had been hoping to have supplies of coal, in addition to what we can take carried south in whaling vessels, and made available to us in the vicinity of Queen Mary Land," remarked Sir Douglas Mawson, leader of the Discovery expedition today. "However, it now transpires that no whaling craft is likely to be going that way, so that we shall have to make the most of the position." The best assistance that could be obtained, stated Sir Douglas, was a supply of 100 tons of coal, which the captain of the St. James Clark Ross had kindly offered to transport. "This will be a distinct help, in which we are most grateful to the captain and captain of the St. James Clark Ross," concluded Sir Douglas.