

**UNKNOWN
LAKES**

**Mr. Madigan Will See If
Lakes Are Lakes**

PHOTOS. FROM AIR

NEXT week Mr. C. T. Madigan, lecturer in geology at Adelaide university, will begin a journey which will take him over country that a white man has yet crossed. This is the unknown patch of country about 280 miles long and on an average 40 miles wide, north of Lake Eyre. Two Wapiti planes have been lent by the Federal Government to assist in the great work. The party will consist of Mr. Madigan, two pilots and a fourth man, who has



to be selected. He will be a man accustomed to taking photographs with a camera from a plane. Three mechanics will go by rail, first to Marree, then to Alice Springs and back to Oodnadatta. Mr. Madigan will leave for Melbourne Sunday, and the flight will begin on Monday, stopping places being Mildura, Ken Hill, Marree and Birdsville on the Queensland border.

DIRECTION OF FLIGHTS
From Birdsville the first flight over the unknown country will be done. The planes will fly diagonally across it to Alice Springs. The second flight will be north-east from Alice Springs, south over the area to be surveyed and back to the Springs. The third will be south-west from the centre of the area and in a circular direction to Oodnadatta.

TWO CAMERAS CARRIED
The plane in which Mr. Madigan will fly will be one of the Air Force planes which he will operate. The second man will be in the second machine to take oblique photographs when the plane is low enough. Mr. Madigan said yesterday that he was on this expedition, to clear up a number of geological problems of great importance to Australia. This patch of land had never been traversed by a man. Capt. Stuart had travelled to the eastern border in 1845; Barelay, an explorer, had touched its northern border in 1878; and David Lindsay its southern end. The present Surveyor-General (Mr. Day) had travelled along its western border in 1916. But the interior was a mystery. "Mr. Day agrees with me," said Mr. Madigan, "that Leichhardt may have been here. No trace of him has ever been found, and even his buggy wheels, which were almost indestructible, have been discovered."

Leichhardt was last heard of on May 26, 1848. With five white men and a black he was on an expedition to the Gulf of Carpentaria. What happened to the party is one of the mysteries of Australian exploration, for no trace of it has been found by the search parties sent periodically for the next 24 years. "Exploring this blank land is not the object of the expedition," continued Madigan. "I hope to make a few flights from Marree to link up what is known of that part of the country. People have been through it, but systematic survey work has never been done. It is quite possible that some of the physical features marked on the maps now use may be miles out. Madigan will fly over the MacDonnell Range to study the continuity of the lakes."

LAKES TO BE EXPLORED
The return journey flights will be over Lakes Eyre, Frome, and Callaburra. "The lakes are marked on maps," said Madigan, "but there is no certainty of their existence. The water in the Frome lake will be part of the survey carried, and if possible, tests will be made for the lakes may contain some of the minerals now imported."

concluded Mr. Madigan. "Reports come through of water having been seen, but mirage prevents visibility extending beyond a mile. What lies in the centre has yet to be proved. The Air Force by assisting in this exploration and surveying work demonstrates what useful work it can do in time of peace."

REG. 2-8-29
**SCIENTISTS TO
STUDY ABORIGINES**

**Physique, Bloodgrouping,
Music, Psychology**

RECORDS TO BE MADE

THE significance of the two blood groups known to exist in the Australian native will be one of the problems to be investigated by the scientific party which will leave for Central Australia on Sunday.

The party, organised by the Board of Anthropology, and financed by the Rockefeller Foundation, will comprise Professors T. Harvey Johnston, J. B. Cleland, and E. Harold Davies, and Dr. T. D. Campbell (Adelaide University), Dr. K. Fry, and Messrs. H. M. Hale and N. B. Tindale (Adelaide Museum), and B. G. Macgraith (St. Mark's College).



Prof. Harvey Johnston.

Professor Cleland said last night that the blood grouping of the natives was an important feature. Only two blood groups existed in the Australian native races, so far as was known, whereas in other human races four were found, although in varying proportions. There were four in the English race, but the great majority belonged to two of these four. The same two blood groups were found among the natives here.

NATIVES ISOLATED

Professor Cleland said probably the Australian native had been isolated from mankind for remote periods, especially in the southern parts, from the likelihood of race fusion with Malays and Papuans.

It might be, he said, that Australia was originally peopled by a small group of castaways, probably only by a single pair, which would account for the two blood groups. There might be others, he said.

Professor Cleland said psychological tests of the natives were always interesting. "If their mental calibre does not fall far short of our own," he added, "it would suggest that isolation had retarded mental development along recognised apparent channels. We hope to obtain an idea how close they can approximate to modern requirements."

The party will work in the country west and north of the Hermannsburg Mission among the Arunta and Luritja tribes.

Dr. Campbell and Mr. Macgraith will carry out measurements and observations on physical features. Professor Cleland and Johnston will look after the biological side of the enquiries. Dr. Fry will study the psychology of the native and his mental level, while Dr. Davies will continue his investigation into the music and songs of the natives. Messrs. Hale and Tindale's work covers photography and genealogical and ethnological data.

NEWS 5-8-29
MEDICAL AUTHORITY

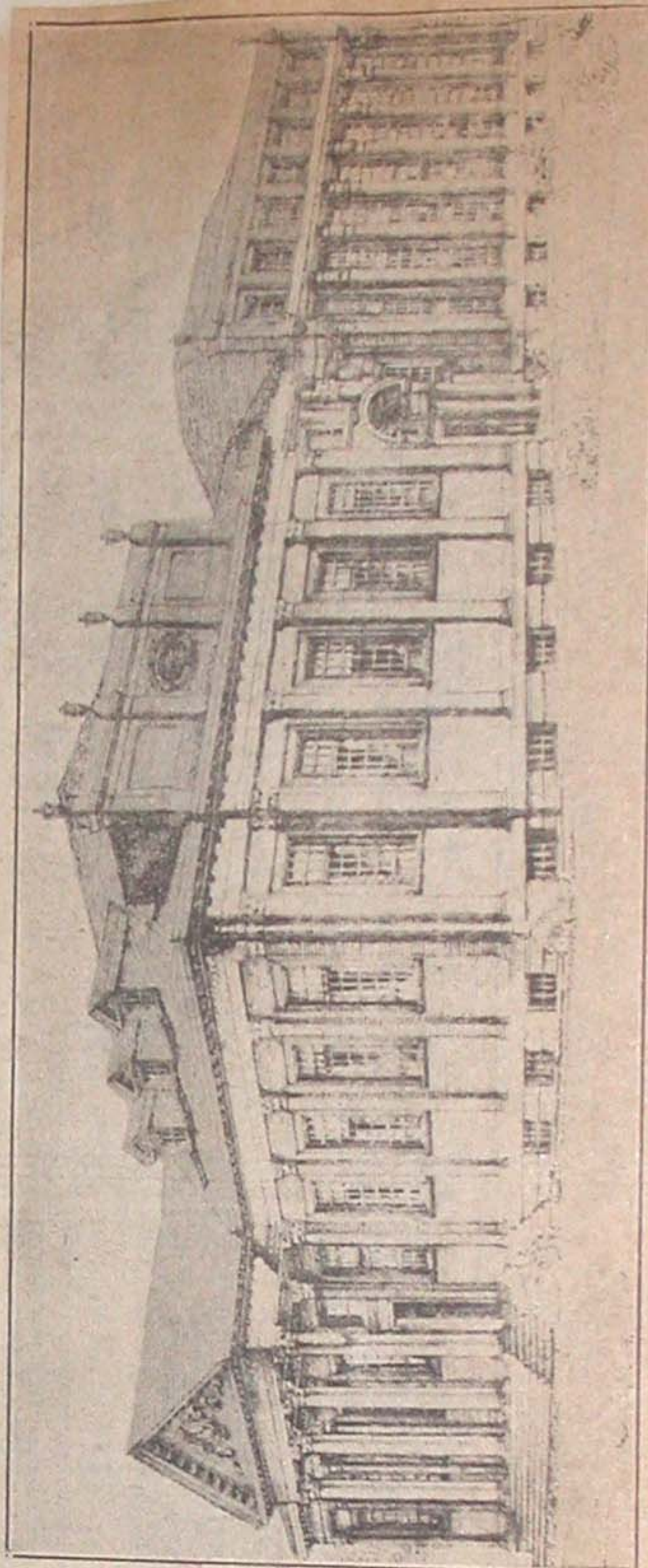
Prof. H. MacLean in Adelaide

Visiting Australia at the invitation of the Postgraduate Medical Committee of Melbourne University, Prof. Hugh MacLean arrived at Outer Harbor by the Narkunda on Saturday. He is professor of medicine at the University of London, and will deliver lectures on medicine, gastric and kidney diseases, and diabetic conditions. The lectures will be of a private nature.

Prof. MacLean will leave for Melbourne by the express on Thursday. During his stay in Adelaide he has consented to deliver two lectures to members of the Postgraduate Committee of Adelaide University. The lectures will be delivered at the University tonight and Wednesday night. After visiting Melbourne Prof. MacLean will go on to Sydney. He will return to England by the Cathay in September.

Prof. MacLean said that the London medical colleges had an enormous amount of clinical material for the training of students. One of the principal difficulties of the college authorities was to keep down the number of students. In many of the provincial hospitals it was a problem to find sufficient material for the students on account of the limited number of

NEWS 2-8-29



DESIGN OF PROPOSED UNIVERSITY LIBRARY—As a result of a gift of £32,000 to the University of Adelaide by Mr. T. F. Barr Smith, a structure to this design will be erected on portion of the Jubilee Oval property should a Bill for the transfer of the land to the University pass Parliament. Messrs. Woods, Bagot, Jory & Laybourne Smith are the architects.

REG. 6-8-29
**Dr. Duffield Buried On
Mountain Peak**

CANBERRA, Monday.—The Director of Mount Stromlo Observatory (Dr. Duffield) was buried at Mount Stromlo today. His grave is on a high peak overlooking the ranges towards Canberra. The coffin was taken to the summit in a motor hearse. Relays of bearers, representing the R.S.L., the Rotary Club, and the staff of the Observatory, then bore it down a rough path into the valley, and thence up a steep incline to the grave.

NEWS 6-8-29



PROF. H. MacLEAN
professor of medicine at the University of London, who is visiting Adelaide. He will leave for Melbourne on Thursday.

Reg. 6-8-29
Off to Europe

TWO of the shining lights among University women students, Miss Magdalen Dorsch and Miss Edna Holmes, who have won travelling scholarships, are seeking more honours abroad. Miss Dorsch left for England last week, and will study art and languages in London and on the Continent. She is already a B.A., and, in addition to teaching, has been studying at the School of Arts. While at the University she also found time to win her double blue for hockey and tennis.

Miss Holmes, one of the most able law students who have taken their course in Adelaide, intends to do philosophy in England.

Reg. 6-8-29

Mr. L. A. G. Symons, B.A., of St. Mark's College, has been awarded a dominion and colonial exhibition by Trinity College, Cambridge. The award is tenable for three years at that college. Mr. Symons graduated with first-class honours in mathematics at the Adelaide University in December last, and will shortly proceed to Cambridge to continue his studies.