

heavy loss of stock. These are being carried out in co-operation with the New South Wales Department of Agriculture and the Sydney University. Investigations into the problems associated with the nutrition of stock in Australia are being carried out by the council in co-operation with the University of Adelaide and the Waite Agricultural Research Institute. A comprehensive survey of Australian tannin resources has been completed, and the results show broadly that in addition to the well-known wattles Australia is comparatively well off for tannin. The council has considered the question of undertaking systematic investigations on cold storage problems, especially those affecting the export of food-stuffs from Australia. Dr. Kidd, a senior officer of the British Food Investigation Board, is now in Australia, and will advise on the whole position, especially with a view to arranging for investigations to be carried out on an Imperial co-operative basis. As regards meat, probably the most important problem is that relating to the freezing and chilling of beef.

The council has given attention to a large number of other matters, and has acted as adviser to the Commonwealth Government on many subjects connected directly and indirectly with scientific work. It has, for example, furnished advice regarding the whole position of astronomical work in Australia. It has taken an active part in connection with the proposed creation of a Commonwealth geological survey; it is enquiring into the question of geophysical methods of prospecting; it has established a radio research board in Australia to co-operate with similar bodies in other countries; it has also established a standards committee, which is taking up the question of the maintenance and control in Australia of legal standards for weights and measures; it is carrying out investigations with a view to developing methods for the manufacture of artificial building stone, and it is carrying out investigations on mineragraphy with a view to the development of more efficient treatment processes for ores of base metals. In addition, it supplies regularly information on a great variety of subjects in reply to enquiries received from the public regarding scientific and technical matters. The new council has been in existence for a little over a year. It is, however, confidently believed that the organisation has been established on a highly satisfactory and secure basis, that the cordial co-operation of State departments and other organisations concerned has been secured.

**Friend to Farmers**  
Both father and son in the Trumble family have done excellent work in the field—the former on the cricket ground and the latter on agricultural land. Mr. Hugh Christian Trumble, M. Agric. Sc., eldest son of the famous cricketer, is assistant agronomist at Waite Agricultural Research Institute, which is doing yeoman service for the farming community under the direction of Dr. A. E. V. Richardson. Although young in years Mr. Trumble has made valuable contributions to the science of growing field crops.

He was born in Victoria and educated at Trinity Grammar School, and later at Melbourne University, where he enrolled in the faculty of agriculture. There he finished with first-class honors in two schools. For this brilliant achievement he was awarded a Gyles Turner Agricultural Research Scholarship. In the meantime he had accepted his present post, which was offered him in 1925 by Dr. Richardson, under whom he studied in Melbourne. He worked out the scholarship at Waite Institute, making the germination of native grass seeds his study. A short practical summary of this work will be published in "The Journal of Agriculture."



Mr. H. C. TRUMBLE, M. Agric. Sc.

As well as a keen research worker he is an enthusiastic sportsman. He plays golf and tennis, but cricket, of course, is his favorite. Last year he played for Sturt team, and hopes to be able to take the game up seriously during the coming season.

the Adelaide University. He began the law course in 1922 and secured his final certificate in 1924. For three years, from 1922 until 1925, he served as an articled clerk in the office of Messrs. F. Villeneuve Smith, Alderman, and Reid, barristers, Adelaide. On April 18, 1925, he was appointed associate to the late Mr. Justice Poole. During the absence of Mr. Justice Poole he acted as associate to Mr. Acting Judge Stuart. Upon the appointment of Mr. Justice Piper to the Bench he became his associate. Mr. Buttrose takes a keen interest in debating society work, and is a committeeman of the Adelaide Law Students' Debating Society. He is also a member of the Modern Pickwick Club. Of fine athletic build, Mr. Buttrose represented St. Peter's College in field sports. He also played for the football and cricket teams of the college.

**Generous Gift**  
The Waite Institute has had a big lift up this week through the generosity of Mr. John Melrose, who has given £1000 toward the building of a chemical laboratory at the institute. The late Peter Waite, founder of the institute, was an old friend of the owner of Uooloo, and the new building will be called the "John Melrose Laboratory." Mr. Melrose is a member of a family well known in the pastoral industry of the State. He is a leading stockmaster. Son of the late Mr. George Melrose, he went to Uooloo more than 40 years ago to manage the station for his father, and after his father's death he purchased Uooloo from the trustees of the estate. Three years later he acquired, in conjunction with the late Mr. Henry Dutton, North Booborowie Estate and flocks. With that fine stud and other purchases from different parts of Australia and in England Mr. John Melrose has built up a flock famous throughout the Commonwealth.

**Prof. Richardson**  
A member of the House of Assembly speaking on the Address-in-Reply debate this week paid a high tribute to Dr. A. E. V. Richardson (Director of the Waite Agricultural Research Institute). It is not unusual to hear compliments passed upon the professor, who is eminent in the realm of scientific agriculture. Dr. Richardson was born in Adelaide and graduated M.A. and B.Sc. at the University in his native city. Nineteen years ago he was an assistant in the University Training College, Adelaide, and for two years was Assistant Director of Agriculture. Recognising that he was something out of the ordinary, the Victorian authorities captured Dr. Richardson by offering him a salary in advance of what he was receiving in South Australia, much to the regret of the authorities at Adelaide. For 14 years the doctor was superintendent of Agriculture in Victoria and was sent to the United States in 1919 to make investigations in regard to agriculture which would be helpful to Victoria. The following year the University School of Agriculture was established in Melbourne and Dr. Richardson was appointed dean of the faculty, director, and lecturer, and received the degree of D.Sc. of Melbourne University for original research work on the water requirements of Australian farm crops, and also on wheat and wheat breeding investigations.

Apparently the South Australian Government and Adelaide University authorities were keeping an alert eye upon Dr. Richardson, for although he had a high official position in Victoria he was induced about two years ago to return to his native city to take the chair of agriculture at the University and to direct the operations of the Waite Agricultural Research Institute at Urrbrae.

**Career of Mr. M. Buttrose**  
Associate to His Honor Mr. Justice Piper, Mr. Murray Buttrose was admitted to the Bar this morning by Sir George Murray (Chief Justice), Mr. Justice Gasparsons, Mrs. Justice Napier, Justice Richards, and Mr. Justice Piper sitting as a Full Court. Born in Adelaide, Mr. Buttrose will be 24 years of age on July 31. He is a son of Mrs. W. R. Buttrose, of Pennington terrace, North Adelaide. He received his early education at St. Peter's College. From there he went to

the Adelaide University. He began the law course in 1922 and secured his final certificate in 1924. For three years, from 1922 until 1925, he served as an articled clerk in the office of Messrs. F. Villeneuve Smith, Alderman, and Reid, barristers, Adelaide. On April 18, 1925, he was appointed associate to the late Mr. Justice Poole. During the absence of Mr. Justice Poole he acted as associate to Mr. Acting Judge Stuart. Upon the appointment of Mr. Justice Piper to the Bench he became his associate. Mr. Buttrose takes a keen interest in debating society work, and is a committeeman of the Adelaide Law Students' Debating Society. He is also a member of the Modern Pickwick Club. Of fine athletic build, Mr. Buttrose represented St. Peter's College in field sports. He also played for the football and cricket teams of the college.



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**STUDENTS' ORCHESTRAL CONCERT.**  
The large orchestra composed of students supplied the major portion of the programme at the seventh concert of the season in connection with the Elder Conservatorium of Music on Monday night. Mr. W. H. Foote, the conductor had good reason to be gratified with the results. A large proportion of the personnel is recruited each year, but notwithstanding this the company played together with a greater degree of sympathy and precision than might fairly be expected from a band of students. The programme was of a varied character, but in all items satisfactory tone and rhythm were maintained, and the performers followed the conductor's baton with admirable correctness. Opening with the overture to Cherubini's opera, "The Water Carrier," a pleasing interpretation of latter eighteenth century Italian writing was given. Balance of parts and due attention to detail made the number creditable alike to the conductor and the company. By the combined effect of the different sections of instruments the advantage of training in ensemble work was apparent, and left the impression that there should be no future difficulty in securing orchestral players of real efficiency. In marked contrast as regards style of writing was the English comic opera music from "The Yeoman of the Guard" (Sullivan). The familiar strains were produced with assurance, and the number was one of the most popular of the evening. In the Viennese waltz, "Immortellen" (Johann Strauss) a composition which won the admiration of Johannes Brahms, the company responded to every direction of the conductor. The rhythms were clear and distinct, and the charm of the work was cleverly illustrated. Mozart was represented by the Symphony in G minor. Each of the four movements was given in a style decidedly meritorious. The playing in the Minuetto was deserving of special praise, and the whole performance was more than creditable. Splendid results were achieved in the Bach-Gounod meditation, "Ave Maria." In the final overture, "Russlan and Ludmilla" (Glinka), all sections of the orchestra united in full-toned effects which gave stateliness to the composition. Vocal items added to the enjoyment of the concert. Miss Grace Cussion gave a sympathetic rendering of the songs "A Widow Bird Sate Mourning" (Lidgely), and "Plus de Tourments" (Massenet), and was deservedly applauded. A similar tribute was paid to Miss Vida Buring for her artistic singing of "Ah! so" (Mozart). Miss Alice Meegan made a capable pianoforte accompanist.

**REG 23-727**  
**WORKERS' EDUCATIONAL ASSOCIATION.**  
Mr. G. W. Gibson, M.A., of Leeds, who will arrive in Adelaide next week, was selected by the Vice-Chancellor of the University of Leeds, to study rural education in Australia. He has spent a considerable time in the other States collecting data on rural education. Arrangements are being made for him to deliver two free public lectures (under the auspices of the Workers' Educational Association) while in Adelaide. He is a full-time tutor for the department of tutorial classes of his university. He lectures in connection with the Workers' Educational Association in economics and kindred subjects. Mr. Gibson will speak on "The Colwyn report," in the Institute Lecture Room, North terrace, on Friday, July 29. The report is an important one, and was drawn up by a committee appointed by the British Prime Minister (Mr. Baldwin) to enquire into the best method of reducing the national debt charges and heavy taxation. The commission made exhaustive enquiries, and as a result made specific suggestions for the handling of the British national debt, and the charges connected with its repayment. An interesting analysis of the effect of heavy taxation upon business activity, and upon national savings is not the least interesting aspect of the report. He will also speak on "The Blanesborough report," in the Physics Lecture Theatre, University, on August 5. The report has been presented to the British Government this year. It comprises the result of an enquiry into the whole question of national insurance against unemployment, initiated in 1912 by Mr. David Lloyd George, and developed by successive Governments during and since the war. The report deals with the so-called "dole," and indicates the nature of its effects and its extent. The report is one of the most important which has been presented to the British Government since the war, because it covers the whole question of unemployment since 1912, namely, a period of 14 years, including the war period and that of post-war expansion and depression. The lectures will be free, and open to the public. Tickets for admission are not necessary.

**MAIL 23-7-27**  
Sir Walter Watson Hughes was a seafaring man who had whaling experience in the Arctic regions before settling down in South Australia. He knew the time when he had had to accept half-a-crown a head for his surplus sheep. His great public-spiritedness led to the foundation of the Adelaide University. Speaking at the unveiling of his statue the late Sir Samuel Way, Chancellor of the University, declared that with the exception of Col. Light's planning of the City of Adelaide no single act had had such momentous and far-reaching results for South Australia as had Sir Walter Hughes' munificence which led to the foundation of the North terrace institution. The knighthood was bestowed in 1880, but long before then Sir Walter had settled in England. He died at Fan Court, Chertsey, Surrey, on New Year's Day, 1887, at the age of 83 years. Pert Hughes and Hughes Park were named after him. Mr. Samuel Mills, his greatest rival for possession of the Mounta leases, had a farm at Goodwood before becoming a pastoralist, and grew wheat on the site of the present Goodwood Railway Station on the Adelaide-Glenelg line. Lady Verco, wife of Sir Joseph Verco, is a grand-daughter. Among the descendants of Sir W. W. Hughes are Capt. J. G. Duncan Hughes a member of the Commonwealth Parliament, and Mr. W. G. Duncan, M.L.C.

**NEWS 23-727**  
**ADMITTED TO BAR**  
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**NEWS 22-7-27**  
Rev. J. Colville (rector of the Church of the Holy Innocents at Belair), who in 1915 assisted in the compilation of a textbook of mediaeval Latin, has been elected a member of the Mediaeval Academy of America.