he was the oldest person connected with the staff. As a member of the council and staff for 40 years, he could explain what the Chancellor meant when he alluded to the absence of friction between the council and staff on the previous day. There had been differences of opinion, but no real unpleasantness, and that was due to but professors of the University.

the fact that the chief committee comprised not only members of the council would be difficult to find men to govern a university in Australia without having Speaking at the opening of the new some experience of teaching, and in re-physics and engineering building at the gard to the question of finance, in which University on Tuesday, Professor Kerr the professors took no part, he might say Grant said that to learn physics was hard that even university professors might have mental discipline. He had frequently been some common sense. As in Sydney, much asked whether he could not make the subprogress had been made at the University ject a little bit more easy and attractive. Government for assistance rendered in the provision of the new building opened that He could make it more interesting and spectacular, morning. More attention should be paid to the facilities for the department of the study of this subject spectacular and chemistry at the University, (Cheers.) "Sister Universities."

Sir Joseph Verco said he esteemed it a personal honor and a pleasure to propose "Sister Universities." He could assure them that those universities had them heartiest goodwill and their best wishes for continued progress and prosperity. Delegates were present representing Oxford and Cambridge, which were 800 years old; Naples, about 700 years; Pavia and St. An-(rew's, between 500 and 600 years; Glasyow and Aberdeen, between 400 and 500 years; Columbia (New York), about 170 years; and then followed 28 below the century. Twenty had been founded since he was born, so that they would not be very eld. (Laughter.) Only last year another little sister was born in the mandated territory of Palestine, and they wished her every possible blessing, a sturdy childhood, and a splendid maturity. Last of all came the University of Reading, founded in 1926. Who had not felt proud and pleased as he had trodden the cloisters of those universities, which for centuries were scats of learning. Yet could they not feel pride and pleasure as they regarded their more recent Universities. The Adelaide Methe University School at dical was forty years old, and in it more than 300 bachelors of medicine and surgery had graduated. (Cheers.) On the medical register in South Australia there were 428 names. Of them 224 were Adelaide graduates, and 93 graduates of the Universities of Sydney and Melbourne. Thus nearly 75 per cent, of the lot were of Australian manufacture-and a splendid brand it was. (Cheers.) Of the remainder, about 20 had "gone west;" half supied the Chair of Physics he would try a dozen lady graduates had abandoned to train men to think hard. It was a medicine for matrimony, several were on the mission fields, and some were in the other States. On the lecturing and teach-reap gratitude for it; more often it was ing staff at the University, and on the the reverse. There were compensations, honorary staffs of the Children's Hospital however. Two of the best students they and the Adelaide Hospital, were had had in physics had asked him if he 43 Australian graduates, and only ould find any way by which they could six who were trained elsawhere proceed with the subject. They had to It was clear, therefore, that the Australian product was replacing the im tarry on because they said they were sample, and claimed a superiority over the other schools. The Adelaide University recognised the high standard of the tions of the teacher's life. sister Universities, and their desire was that by conferences such as had been held, Professor Kerr Grant went on to say and by collaboration between the represent that there were certain matters which tatives of the several faculties, they were cognate of physics, which would add might each adopt that which was best considerable expenditure, but which we in every University, and so maintain all thought should be undertaken by the Union the highest level of efficiency. (Cheers.) versity. To cite one specific illustration, Professor R. S. Wallace, in responding it had been proved during recent years.

a university might be too rich. As an use of radiations from that radium had arts professor he thought even a little to be used in a special way. It was rather

learning. ranged by ladies connected with the Uni-Versity.

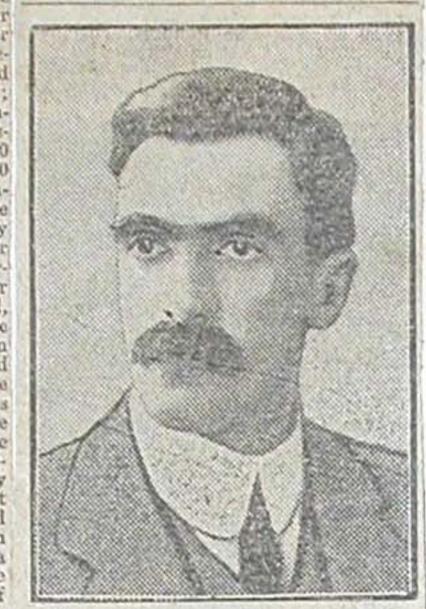
REG. 21.8.26

Lady Mawson, accompanied by her two children, left Adelaide on Eviday aftermuon by the express for Me bourne, where they will leave by the Ballarat for Europe, Sir Douglas Mawson, who is attending the Science Congress in Perth, will join the boat at Fremantle. Sir Douglas and Lady Mawson will be absent from Australia about eight months, Sir Donglas will Secture in America for two months at the beginning of next year.

REG 18 8 26.

A Professor on Physics.

Speaking at the opening of the new soft they would only breed trouble. A man who could think hard was of more value to the community than one who could think "soft" and so long as he oc-



PROFESSOR KERR GRANT.

make their living, and they wanted to

Radium in Disease.

thanked the speakers for their kindly rethat by the use of radium certain diseases, ferences to the sister Universities. They if they had not been entirely cured, were all in very good heart. They were at any rate had been alleviated by the invited even in their poverty. After all use of radiations from radium. In the Bohemianism was not a bad thing in expensive, and required expert manipula-Professor J. R. Kay-Monat replied on tion. Once so installed it could be used in a much more effective way than was behalf of British and foreign universities, in a much more elective way than was The tables at the dinner were most only one central installation for the needs beautifully decorated with flowers ar and treatment of the whole population of only one central installation for the needs and treatment of the whole population of the whole state. Radium was put into certain vessels and the active gas which same off from it was pumped off, resealed in tiny tubes, and sent to any part of the State, where it was wanted. That was a thing which he hoped before many years would be installed here. It was going to be very expensive. The radium alone would cost more than £10,000, and the additional plant £7,000. They would like to have that. He intended o make all enquiries about this particular matter in other countries, and when he return he hoped they would raise the money to install a special radium plant.

The Inside of the Atom.

Professor Kerr Grant said that another item of research just being opened up was the field of exploration of the inworld in physical research. What was partly necessary for that was a machine capable of developing electricity at very high voltages-about 10 times as high as the lowest we were producing here; about 10 million volts. He was absolutely convinced that the construction of such machine was only a matter of time and money and, of course, hard thinking. That was a field of research, which be hoped they would open up here before long, and when they did he intended to ask the citizens of South Australia for money to support it.

REG. 18.8.26. UNIVERSITY DEVELOPMENT

PHYSICS ENGINEERING. AND

BUILDING FINE

The principal function on Tuesday in connection with the University jubilee celebrations was the opening by the Premier (Hon. J. Gunn) of the fine new physics and engineering building, which has been erected by the Government to provide more adequate accommodation for the teaching and study of those subjects.

accommodate 300 persons. The Chan- nity of Professor of Engineering and in cellor (Sir George Murray) presided, and 1910 Mr. E. V. Clarke had been appointed in addition there were present the Pre- lecturer in electrical engineering, and Mr. mier, the Commissioner of Public Works H. W. Gartrell, lecturer in mining en-(Hon. L. L. Hill), the Chancellor of the gineering. Diplomas in these subjects Sydney University (Sir William Cullen), had been granted, but the only degrees the Chancellor of the Melbourne Univer- lor and doctor of science. In 1911 Parsity (Sir John McFarland), Sir Mungo liament authorized the granting of the MacCallum (Vice-Chancellor of the Sydney degrees of bachelor and master of ea-University), Sir Henry Barraelough, Pro- gincering, and these had been given equal lessor W. Mitchell (Vice-Chancellor of status with those granted by other Unithe Adelaide University), Professor R. W. versities in the Empire by Royal Letters Chapman (Engineering), and Professor Patent in 1913. To prevent overlapping Kerr Grant (Physics), the Chief Secre- in the work of the two institutions, agreetary (Hon, J. Jelley), the Director of Edu- ments had been entered into between cation (Mr. W. T. McCoy, B.A.), Mr. W. the University and the School of Mines J. Young, members of the professorial staffs, and others.

An Important Ceremony.

mier said that the ceremony to be per-chemistry, geology, and mineralogy at the formed that morning was not the least im- University. Now, thanks to this splended portant in the programme arranged by building, the pressure from want of space the University for the celebration of its the University for the celebration of its jubilee. This building had been erected with funds provided by Parliament, and under the direction of the Architect-in-Chief, to provide more adequate accommodation for the teaching and study of physics and engineering. (Applause.) physics and engineering. (Applause.) be benefited, for the arr It had taken a long time to construct, co-operation will continue. but the end having now been reached, the Premier had kindly consented to for. The equipment of the building, the mally hand it over to the University, and Chancellor concluded, would involve both to declare it open. (Applause.) When the University had begun its career in



PROFESSOR R. W. CHAPMAN.

as these being required within 50 years sity Act, which authorized the granting had not been dreamed of. For the Pro- of the degree of bachelor of engineering. fessor of Mathematics, to whom also had It would thus he seen that the engineerbeen assigned the duty of lecturing on ing graduates were comparatively young physics, only these comparatively small men, but many had already shown evirooms had been provided in the original dence of their ability, and held important building. To others in the basement had positions in the various States of the been afterwards fitted up for electrical Commonwealth. Of the earlier students work. This has been the whole of the many had been mining men, and some el accommodation Professor Lamb and his these had played an important part in the successor, Professor Bragg, had had at development of Brohen Hill. their service. Yet, here it was, he might gincering school catered for the various observe in passing, that they had begun branches of engineering-civil, mechanical their researches in gravity and radio mining, and electrical. Up to date 150 hercome lawous lawer their names had since students had obtained enginering degrees, become Jamous. No further laboratories and at present there were about 100 had been provided until the Prince of students. The Adelaide University and its side of the atom. This would open a new Wales Buildings-of which the foundation stadents were indeed fortunate in agving world in physical research What were like the stadents were indeed fortunate in agving world in physical research What were stadents were indeed fortunate in agving world in physical research which the foundation stadents were indeed fortunate in agving world in physical research. King when Duke of Con Mis Majesty the at the head of the Engineering School sura King when Duke of Cornwall and York in an able teacher in the person of Professor 1901—had been completed. A set of Chapman, who had been connected with rooms then had become available for the Adelants Chapman, the lectures is validable for Mr. the subject of engineering at the Adelants Chapman, the lecturer in applied mathe. University from the beginning. matics.

Steadily Increasing Growth.

The growth of the University had been during all this time steadily increasing. The classrooms had become overcrowded. Lectures had had to be duplicated. The need for special training in the applied sciences, mining, metallurgy, electrical and The School of Mines and Industries, founded through the liberality of Sir George Brookman, and presided over and added to by Sir Langden Bonython, had reissed the situation to some extent, but

There was a large gathering in the (Applause;) In 1907 Mr. Chapman had capacious lecture theatre, which will been raised by the University to the disunder which students of the University received their instruction in mining, metallurgy, surveying, and building construction at the School of Mines, and students for the fellowship course of the School The Chancellor, in introducing the Pre- of Mines received instruction in physics,

Expressions of Approciation.

time and expense, but they already had to acknowledge many valuable gifts of machinery and apparatus from various donors, for which they were deeply grateful. He would not attempt to describe the building. Personal inspection would convey more than any words of his could do. - But he would like to express appreciation of the design and workmanship for which the credit was mainly or wholly due to the Architect-in-chief (Mr. A. L. Simpson). (Applause.)

In handing the Premier a souvenir key to the building the Chancellor facetiously observed that he had been told that it would not admit the Premier at other times should be be disposed to try to get

Recognition of Engineering Degree.

The Premier, in accepting the "handsome presentation," added that it would always bring back to him a pleasant memory of the declaring open officially of that fine building. There had been a time when universities would have little to do with such practical subjects as cagineering and commerce, and it was itteresting to know that the first engineering classes held in connection with the Adelaide University had been evening classes in electrical engineering, and these has been started about 1890. At first the University did not have the power to grant degrees in engineering, and the authorities had had to be content to give the men who qualified in engineering the degree of bachelor of science. This state of affairs had been rectified in 1911, and 1876, the possibility of laboratories such Parliament amended the Adelaide Univerplause.

A Post-War Necessity.

After the war there had been a large in crease in the number of students, and the necessity for increased accommodation had become acute, especially in those departments dealing with pure and applied science. So far as the biological science were concerned, this had been met in large part by " bandsome donation ection of a smish the late Mr. Jeka wards the cos building by th M Building outcome of Darling, and

medical scien