advanced in age as a man of 70. A three-year-old rat or mouse is a real cen-

a meat diet with these rats and mice."

UNIVERSITY DIPLOMA IN ELOCUTION.

tenarian. "And what do they usually die of?" The Director of the Elder Conserva-"Cancer," was the astonishing reply, torium (Dr. E. Harold Davies), reports "and we find that is so in nearly all ani-that it was definitely decided at the conmals which we have studied so closely, ference of the Australian Music Examinaeven down to insects, a case in pointtions Board, which was held last week in being the fruit fly. There are also cases Adelaide, to include a diploma in elocuwhere death has been due to kidney and tion in the curriculum. This is an entirely liver trouble, but the majority are cases new departure, as hitherto elocution has of cancer. We hold a post-mortem on held no place in the syllabus. The diperery one, and the cancerous growth it-loma offers a splendid opportunity to those self is microscopically dissected. This is students interested in the subject. smoking as the cause of cancer, and"-smilingly-"they cannot even attribute it to

REG. 8. 5.28

Project. Commonwealth

Scientists. Adelaide

Australia produces about a third of the world's wool supply, and the fact that the Commonwealth Government has entrusted to South Australian scientists the responsibility of conducting an investigation into the nutrition of sheep for wool-raising purposes, is a high tribute to the ability of Professor Brailsford Robertson, and his staff at the Adelaide University.

On the work as a whole, the Common- may not be available for growth." wealth is to-day spending in the vicinity | Neutralizing Mineral Excesses. many other interesting details concerning the effect of excess of salt or magnesia. or the lines upon which the investigation other mineral constituents in the diet, presentative of The Register in the course tralia, the water and fodder plants are of an interview on Monday with the pro- heavily impregnated with magnesia, and fessor, who has been in control of the animals are subsisting upon water containwork for the past 12 months.

Far-flung Field Stations.

professor, "the investigation would have sate for the strain thus placed upon it, been entrusted to Canberra; but, in view For example, laboratory investigations. of the fact that we had been engaged have already shown that an anima! in upon work of the same character, both as relating to man an animals, for the past seven years, and as we had a small staff familiar with the subject, the Commonwealth decided to place the investigation in Adelaide. In addition to the investigation which will proceed here, and which scattered over the Commonwealth, the aim being to have ultimately six or eight of those situated in pastoral districts as manufacture of bone. The total nutri- causing the present modern craze. How- l'rofessor Turner remarked that the another At the same time cook of those tional requirements of stock animals in ever, he believed it was only transitory. In number of students in metallurgy at the same time cook of those tional requirements of stock animals in ever, he believed it was only transitory. In number of students in metallurgy at the same time cook of those tional requirements of stock animals in ever, he believed it was only transitory. In number of students in metallurgy at the same time cook of those tional requirements of stock animals in ever, he believed it was only transitory. In number of students in metallurgy at the same time cook of those tional requirements of stock animals in ever, he believed it was only transitory. In number of students in metallurgy at the same time cook of those tional requirements of stock animals in ever, he believed it was only transitory. stations will be so situated that it will restations will be so situated that it will reso far only in Europe and America. We the vestige of a beginning in interest in and no metallurgical instruction was give lished about three months are near Real sheep in Australia, partly because our the State as a public need. The people re-custom in British universities. He expressed the opinion that all engineering lished about three months ago near Beau- climate is very different from that of sponsible for the administration of govern- pressed the opinion that all engineering for the western district of Victoria climate is very different from that of sponsible for the administration of govern- pressed the opinion that all engineering fort, in the western district of Victoria, Europe and America, and partly because ment regarded it as they in Australia restudents in our universities should lear which is one of the most important pas-our merino breed of sheep has not been garded sanitation. They could provide a something of the heat treatment of metals toral areas in Australia. Our second sta- adequately studied anywhere from this national service only by making it a and of their microscopical evolution. tion is to be established in the near future point of view. We shall estimate the national charge. They should do the same at Kolendo, about 120 miles west of Port total food requirements of animals by en- with music. So long as music was the Augusta. At these field stations the closing them in an instrument known as a starving subject of casual philanthropy it prowth and development of sheep in the respiration calorimeter, which is being would fail to go ahead. They should do natural pastoral conditions prevailing in erected at the Waite Institute under the everything possible in South Australia to those localities, will be thoroughly studied, supervision of Dr. A. L. Rogers. Air is arouse public interest. That was one of and the field stations will be made col- pumped in a continual stream through the his main reasons for establishing the Conlecting grounds from which we shall ob- apparatus, collected, and analysed. From servatorium Association. The Philhartain the material required for investigation the percentage of carbon dioxide which monic Society in Berlin was on the point

The Revealing Thyroid Gland. "In the first place," Professor Brailsford Robertson continued, "work which has been in progress in this University for the past five years on the utilization of tive value of the different foodstuffs with and Germany were returning to the old hibiting the teaching of theology. phosphoric acid by animals, will be con-dur own sheep in their accustomed clima-tinued and extended with a view to the tig conditions. This is I believe the application of the results to the solution first respiration culculation and extended with a view to the solution of the results to the solution first respiration culculation for the solution of the results to the solution first respiration culculation for the solution for the solution of the results to the solution for the sol of the problems encountered in these ex. that her been constructed in Australia music for the next century would come mittee to keep in touch with the move of the problems encountered in these extensive districts of Australia in which In its construction we have had the bone. It is construction we have had the bone. There was nobody in Germent aimed at the establishment of faculty of the construction we have had the bone. tensive districts of Australia in which In its construction we have had the bene-many who could compose like Elgar, tise of the advice of Dr. E. G. Bonedia. phosphates are deficient in the soil. The fit of the advice of Dr. F. G. Benedict. Through the British Broadcasting Com-tralia. second line of investigation will be the director of the Nutrition Laboratory of pany the school children were being inmapping of the distribution of iodine available for stock in different parts of Australia. This will be accompanied by analysing the thyroid glands of sheep in which all the iodine which the animal has been able to collect is stored. We shall obtain thyroid glands from as many shall obtain thyroid glands from as many plans and particulars of his machine, of districts with sheep stations as possible: which ours will be a replica." but, as the iodine in the thyroid gland of sheep, even fed upon the same pasture, is is actively engaged on the work described before they could hold them in Australia. tion, and not an absolute measure of the capacity, the chief part of his teaching availability of iodine in that district. labours having been assumed by Mr. M. From our field stations we propose to L. Mitchell, who has been appointed lec-

The Commonwealth Jouncil of Scien- district. Another very important subject circles. tific and Industrial Research has done for investigation, which we will carry out new laboratory, on Victoria Drive, at the determine not merely the amount of nitro- music one could possibly imagine. rear of the University, which is nearly gen present, but the extent to which it can was being extended by the wireless. will take up their quarters there in July. much of the nitrogen present in a fodder 20,000,000 listeners in.

ing as much magnesia as they can possibly stand. Under such conditions it is not yet known what extra food materials "In the ordinary course," explained the may be required by the animal to compenreceipt of a large excess of magnesia needs la great deal more lime in its diet than an animal subsisting under normal conditions. We wish to ascertain whether iodine, and other constituents of the diet. We further intend to make an intensive

obtain much larger numbers of thyroids turer in bio-chemistry. Professor Brailsthe results obtained from these will give a small amount of advanced touching

POV. 8. 5. 28 APPRECIATION OF MUSIC.

ADDRESS BY DR. HAROLD DAVIES.

Dr. Harold Davies, who recently re- training, they enter the second year class cently returned from a tour of Great There are already two other Education Britain and the Continent, and Mr. J. Department trainees, now in the third Britain and the Continent, and Mr. year class. All these students have done Horner, who was recently appointed to University work, and contemplate comthe staff of the Elder Conservatorium, pleting the degree course. Among the were welcomed by members of the Con- other students there are five who have versatorium Association on Monday night. already matriculated, and may continue

dentials, and they hoped that Dr. Davies of University undergraduate, and this had enjoyed his well-earned holiday.

Mr. Horner said he had enjoyed work of the institution with regard ful hospitality since his arrival. Music to studies. was taught in Adelaide as in London or any large British town. Students in any any large British town. Students in any large British town. Studen studying the classics, as there were few ing work in several particulars, and in orchestral concerts here. In Edinburgh this connection the services of several they had heard many great artists and of the recently appointed members of they had heard many great artists the staff, have proved particularly use-orchestras, and there was a wide range ful. The live stock work has been sepaof musical activity being carried on rated from Agriculture, and will be dealt Something should be done in Adelaide to with as a separate subject, "Animal Husmake up for that deficiency. There was bandry," to be taught in each of the no reason why anybody should not have three years with a corresponding course no reason why anybody should hot had a of practical work. Practical agriculture access to the great classics. He had a has been strengthened and will include scheme for gramophone recitals and study various phases of farm mechanics, black-

Dr. Davies sald it was pleasing to come the handling of farm machinery, and so ford Robertson to undertake the work. It mination of the comparative nutritive back to resume the work he liked so much on. The subject of Botany has been has spent about £12,000 on an extensive new laboratory, on Victoria Drive, at the laboratory, on Victoria Drive, at the completed, and the professor and his staff be utilized by a growing animal, because England there were 2,500,000 licenses and heard by hundreds of thousands of people. of heat and electricity as applied to It was perhaps mechanisation of music, agriculture and farm motor units. Book wealth is to-day spending in the vicinity of £15,000 annually, but this amount will vary year by year. These facts, and "we propose to take up the question of English-speaking countries as compared to develop the economic and business with that on the Continent. The Brus aspect of the teaching. sels Opera House was one of the finest have been made in the time devoted will be conducted, were learned by a re- upon the general nutritional requirements in the world. In Berlin there was not veterinary science and viticulture, by a sign of smoking in the foyers of the much the same ground will be covered opera houses. In many English halls in these subjects still smoking was allowed during the performances. He listened to the composition of a modern French writer. It lasted an hour and a half, and was merely a sustained disonance and a musical brutality. Art reflected life. In looking round they found that the characteristics of the present day might be described as restlessness, instability, and sensationalism, Art was bound to reflect all those quali-Modern composers were obsessed with those ideas, and the result was a this is also true for phosphoric acid, hideous cacophony. It was Bolshevism in A.R.S.M., Emeritus Professor of the Birart. Bolshevism repudiated every recog-mingham University, who is just concludnised obligation, and made mock of everying an eight weeks stay in Adelaide, win study of the composition of bones of sheep kind of idealism. It even went so far as leave for the eastern States on Thursday will be largely of a laboratory character, study of the composition of bones of sneep to deny beauty. The idea of people showwe shall have a number of field stations obtained from different pastoral districts, to deny beauty. The idea or people show turn to England via Vancouver, reaching scattered over the Commonwealth the with a view to estimating how far line ing their feelings was looked on as bad home about August. and phosphoric acid are available to the form, and to express a beautiful sentiment home about August. animal in the proper proportion for the was puerility. It was all that which was present a large and important pastoral propose to repeat these investigations on music. In Berlin music was recognised by to engineering students, as was now area. Our first field station was costal. Propose to repeat these investigations on music. In Berlin music was recognised by to engineering students, as was now area. in the laboratory, where several distinct it contains we can then estimate the total of going out of existence, but the Governlines of investigation will be pursued." amount of food consumed by the animal ment, notwithstanding that their finances during the test. This does not mean the were at a low ebb, made a donation to the The council of the University of amount of food the animal eats, but the society to enable it to keep going. He mania at a special meeting to-day reject amount it actually utilizes. These may wished they could make Australian people by a majority of one vote a motion be two very different things, and by com- feel like that about music. All the large the Bishop of Tasmania (Right Rev. In paring animals fed upon different food- cities in Germany supported art. It was R. Snowden Hay) urging the excellence College of Music. Nine patrons' fund con- In the Executive Council on Wedness certs were given each year, and they gave Dr. E. McLaughlin was appointed Dep

REG. 10. 5. 28 ROSEWORTHY COLLEGE.

School Teachers as Students.

The principal of Roseworthy Agricul. tural College (Mr. W. R. Birks, B.Sc.) reports that the present college year opened recently with 47 students in residence. Since the opening term, three additional students have been sent up by the Education Department to take the college course as part of their training as teachers, and in view of their previous Mr. H. Winsloe Hall, who presided, said the diploma. In all, there are now upgroup is bound to exert a strong influ-Mr. Horner said he had enjoyed wonder- ence in helping to raise the standard of

Extension of Curriculum.

smithing, saddlery, adjusting, repair and

In logy) in the third year. Agricultural physics has been extended into a light Concerts were to include the elements of the principles Reductions

under tella Professor Thomas Turner, M.Se., F.I.C. after which he and Mrs. Turner will re-

Metallurgical Students.

REG. 16.5.28

UNIVERSITY AND DIVINITY

Hobart Decision.

HOBART, Tuesday

ADV.

young musicians and composers an oppor Director of the Laboratory of Bacterio tunity of doing their work under ideal con-and Pathology at the Adelaide Hospi

ADV. 17.5.28

TO CORRESPONDENTS.

"Fed Up":- The Registrar of the Universtates that the examiners are prepared to the report on your paper with teacher.