COAL PROBLEMS.

Dr. Ternent Cooke's Enquiries.

Dr. W. Ternent Cooke, who returned from England on Saturday, has a most interesting story to tell of his travels in England and on the Continent. Besides what he modestly calls "Having a look at chemistry generally," Dr. Cooke, on behalf of the Government, made a series of enquiries into fuel economy in England, France, and Germany.

He was the Australian delegate to the International Chemistry Conference in Paris, and, with his wife, was among the guests of honour at a reception by the given every facility in his investigations. lians will rejoice in the success and in the tomato will is the major problem, and President of the French Republic. "There," he said, "the problem is differ high honours he has won against what soil problems on the River Murray areas, had fallen to him personally, Dr. Cooke brown coal for all they are worth." had nothing to say, but he talked very "Did you find that they were at all inreadily on the great question of coal terested in the situation in South Austra-With a Government commission, he had lia?" access to a wealth of information. "The question is, of course, very much to the



DR. W. TERNENT COOFE

left there yet.

The Private Owner.

"The coal problem, which is very fa reaching, is complicated immensely private ownership. The Government es pass laws for safety and health, and regulate the smoke nuisance; but in oth matters, where vested interests are affil ted, it has to work very slowly indeed. The important boards which are concerned with problem have advisory powers only. They are, however, getting things done. The big business interests of England are involved, and the leaders of industry can see what has to come.

will not put down a shart on a site from tinued until Friday. The supplementary cultural High School, a Ministerial inspection was made today.

which he will have to carry the coal by tinued until Friday. The supplementary tion was made today.

which he will have to carry the coal by tinued until Friday. The supplementary tion was made today. will not put the coal by time and the supplementary tion was made today.

will not put the coal by time all the important tion was made today.

The party was composed of the Hons. Dawbarn's time has been fully occupied private railway through private railway the cost of the coal, University to pass in subjects permitting J. Cowan (Minister of Agriculture) and M. J private railway through private property. University to pass in subjects permitting J. Cowan (Minister of Agriculture) and M. during 1927 in standardising the method neavily increasing the put down them to matriculate, and for persons who neavily increasing the put down them to matriculate, and for persons who McIntosh (Minister of Education), and of analysis and in ascertaining the range where it could just as well be put down them to matriculate, and for persons who McIntosh (Minister of Education), and of analysis and in ascertaining the range where there are none with to enter upon courses of study at the Messr. A E. Simpson (Archite the course of t where it could be where there are none wish to enter upon courses of study at the Messre. A. E. Simpson (Architecture of variation of iodine content in the at another place where there are none wish to enter upon courses of study at the Messre. A. E. Simpson (Architecture of variation of iodine content in the Chief. W. L. Summers (secretary to the thyroids of sheen."

Of these difficulties. Amalgamation of buy- who have passed in four subjects at the Department of Agriculture). of these difficulties. A number of In Lancashire these lines. A number of more subjects to obtain the certificate, and McCoy, B.A. (Director of University this year. Furthermore, all Chief, W. L. Summers (secretary to the who have passed in four subjects at the Department of Agriculture), G. Quinn leaving and selling interests is also indicated. In Lancashire they have already begun more subjects to obtain the certificate, and McCoy, B.A. (Director of University this year. Furthermore, all Chief, W. L. Summers (secretary to the who have passed in four subjects at the Department of Agriculture), G. Quinn leaving examination and require one or (Honticultural instructor), and W. T. In Lancashire these lines. A number of more subjects to obtain the certificate, and McCoy, B.A. (Director of Education). to work on these amalgamated in order to any student desirous of taking certain. The utilisation of the land to work baye amalgamated in order to any student desirous of taking certain. to work on the amalgamated in order to any student desirous of taking certain. The utilisation of the land at Urrbrae big firms have amalgamated in order to any student desirous of taking certain. The utilisation of the land at Urrbrae big firms have amalgamated in order to any student desirous of taking certain. big firms have within workable condi-fimit production within workable condi-fimit production within workable condi-tions, to stabilize the output, so that mines tions, to stabilize the closed in some districts, while shall not be closed in some districts, while there is over-production in others.

Distributing Power.

"The use of oil fuel is a highly technical matter, with which is bound up the From The Register. Tuesday, February 5, prevention of the smoke nuisance. An- From The Register, Tuesday, February 5, 1878. other important measure is the linking up of the electrical supplies, so that there Dr. Joseph C. verco, who has been apshall be a nework of electrical supply pointed surgeon-superintendent to the emidepots throughout England, with syste-grant ship Clyde, which left Plymouth in REVIEW OF THE YEAR'S WORK. beieng equal, it is more economical to con- many honours in the course of his trainvert coal into power at the mines and ing as a medical student in London that distribute power to the factories in this a brief stobeh of his career cannot fail to form-rather than hauling the coal-but be interesting, particularly as he an there is the difficulty that the breakdown Adelaidean by birth, and received his of one depot means that a factory is cut early education here. In the course of off from power altogether. The depots about seven years, he has taken the telwill have to work in together." lowing degrees:-M.B., M.D., and B.S.,

Dr. Cooke replied that both in England and Germany he had found that people were interested in the Moorlands brown fore throughout the world," he said, coal. Many were aware of the problems of South Australia, in having to bring its coal by sea from Newcastle. "The Germans," he said, "have a great and patient faith in scientific research, and they are pushing on research and applying its results with equal keenness. What they aim at s to make Germany inde- Mr. George H. Bosch, in response to pendent of outside oil supplies. Exactly the university appeal, has a the problems of animal nutrition. man nation seems able to get things done, Anatomy. The senate of the university perhaps because the average German has accepted the gifts with gratitude, and householder, when an innovation affects has expressed its wodin appreciation of him, is inclined to be philosophical, and the donor's public spirited action. conclude that something has gone wrong. but people will soon put it right again. The average English householder knows very little of science, but the moment any arrangement affects him, he is up in arms at once."

lecturer in sociology at the Melbourne number of students studying for the B.A. has been continued by the Sheric University, left last Saturday for Freiburg Degree was 384, for the M.A. Degree 40, Medical Research Fellow (Professor C. (Germany), where he will write his for the B.Sc Degree 81, for the B.E. Hicks) and Mr. Mark L. Mitchell. T thesis for a Doctor of Philosophy degree Degree 103, for the LL.B. Degree 74, for roid gland research has been left At Veiburg, Mr. Bronner will join Prothe M.B. and B.S. Degrees 118, for the mental animals for breeding purposes to fessor Gibson (Professor of Philosophy at Degree 5, and 381 students took the course Melbourne University) who has gone there for the Diploma in Commerce. Night Research. to do philosophical research. Professor lectures were given in the following sub-"especially in England, where they prace Husseri, of the University of Freiburg, jects:- Lotany, Inorganic Chemistry Dr. F. McCoy Hill has continued her intically eat coal. With only about two specializes in social philosophy, from (Part I.), Elementary Organic Chemistry, vestigation of the relationship of the days' food supply produced within the which Mr. Bronner will will ais thesis. Economics, Education. English Lauruage white cells in the blood of mice to the country, they practically depend on their Mr. Bronner has resigned his position and Literature, French, Geology, History, occurrence of the remarkable tumors country, they practically depend on their Mr. Bronner has resigned his position and Literature, French, Geology, History, occurrence of the remarkable tumors (lymphadenomas) which occur so freexport of coal to pay for their imported at the Melbourne University, but hopes as a to come back to Australia. He is a dustries, Industrial and Commercial Law, numerous animals has been examined and dustries, Industrial and Commercial Law, numerous animals has been examined and control of Adelaide. He studied at Adenational asset, which must not be pro- native of Adelaide. He studied at Ade- Commercial Practice, Economic Geo- the various types of white corpuscles have duced and distributed wastefully. Eng. laide University, and later went to Ox- graphy. Economic and Commercial His- been counted at intervals throughout their land is grappling with the problem very ford for two years. He juined the Eng- tory, Public Administration and Finance, lives, and it is proposed to correlate these ably, and under excellent organization. lish Army and spent two and a half and Statistics. A special class in Botany findings with the occurrence of growths. I do not share the prevailing pessiming years fighting in France, after which he was conducted by Mr. G. Samuel for the At the present moment definite information of Pharmacoutical students and the prevailing pessiming years fighting in France, after which he was conducted by Mr. G. Samuel for the At the present moment definite information of Pharmacoutical students. about England—there is plenty of k returned to the Adelaide University as a instruction of Pharmaceutical students tion has been obtained concerning the returned to the Adelaide University as a course of lectures and change of the relative proportions of lecturer in sociology for 18 months, and demonstrations in Optics by Dr. J. J. different types of blood cells with age. then went to Melbourne University in O'Grady, and a course of instruction in The results of this work will shortly be 1921. Mr. Bronner will be accompanied Practical Optics by Mr. T. K. Qurban published. It will then remain to comto Europe' by his wife and daughter, for students in Optometry. Six students late these findings with the pathologo ar d eight years, and Mrs. Bartels, mother attended the special course of instruction examination of the new growths fin Bronner.

KEG. 4.2.28

LEAVING EXAMINATION.

REG. 7 2 28 FIFTY YEARS AGO.

Mining Machinery. London: F.R.C.S.E., and L.R.C.P. He prominence is given to the visit of the In reply to a question, Dr. Cooke said mination, and he was also a medallist at the of the ad eundem degree of Doctor that the Covernment did not concern the M.D. examination, the gold medal re- of Laws by the Chancellor on May 4. itself with the machinery in the mines ing presented to him by Earl Granville, except to ensure health and safety of the on the speech day of the London Uniminers, but only with machinery for dis- versity. On November 24, he took his the University, mention is made of the tribution. Much of the mining machinery for distribution. Much of the mining machinery degree as a Fellow of the Royal College work of the Waite Agricultural Research was very out of date, and the Govern- of Surgeons of England. A paper-the Institute, which began in March, 1925. ment had made great improvements in first he ever wrote—read by him at the and was further developed in 1927. Field the direction of ensuring safety. The Abernethian Society, before the students experiments on the rotation of crops, cullabour question, too, was not a direct last year, was singled out from all the tivation of cereals, and the testing of that there were too many miners. Eng- in full in the hospital reports varieties have been carried out for the

GIFTS FOR UNIVERSITY.

Chair of Histology.

SYDNEY, Wednesday.

ADV. 10 2 28 UNIVERSITY STUDIES.

Dealing with faculties and boards, the annual report of the Adelaide University graduates was 770, of non-graduating stu- mulga. The reserve was visited in De-Mr. R. Bronner, MA. for six years dents 2.8, and f post-graduate students, 57 assistant director of Tutorial Classes under the University Extension Board, and der the University Extension Board, and lecturer in sociology at the Melbourne number of students students and base been consisted in Dr. A. W. Hill, Director of the Royal Botanic Gardens at Kew, in Students and Students an arranged to meet the requirements of in these mice at death. As yet no'll the Massage Association.

NEWS 16-2-28 URRERAE LANDS

Ministerial Inspection Made

At the University and local centres a With a view to ascertaining which por-

ADV. 10. 2. 28

ADELAIDE.

SCIENTIFIC RESEARCH.

In the annual report of the University of Adelaide, which has just been issued,

Referring to the research activities of

issue. He believed it was a fact that other papers as worthy of being printed tivation of cereals, and the testing of land was at present producing coal in miners for the Bachelor of Surgery exa- seasons. The first group of permanent greater quantities than she could econo- mination were: -Mr. Savory, from St. Bar- laboratories for chemical, agronomic, and had dropped from about half to roughly ter, from Guy's; and on that occasion pant pathological investigations was comone-third of the total output. he gained a scholarship, with \$50 a year menced during the year, and it is ex-In Germany. for two years. Dr. Verco, is a sil of pected that they will be available for oc-Mr. J. C. Verce I.P., of North Ade cupation in September this year. Inves-Dr. Cooke said that in Germany he was laide; and all name-born South Austra- tigations into plant pathology, of which Of the interesting experience which good coal, and they are pushing their world. Some world to the work of the any is made to the work of the any thropological research board, which the report states is indebted to the Rockefeller Foundation for grants amounting to £250 for anthropological purposes, and to Mr. E. W. Holden for £100 towards the cost of the einematarranh picture. Smaller donations have also been received, and have helped the work. The Rockere Foundation has made a further contribu-

tion for the coming year. The report continues:-"The University is co-operating with the Council for Scientific and Industrail Research in investigations into how successful they are it is difficult to University of Sydney 5,000 for the m. fessor Brailsford Robertson has been say, because once enquiries get to a point dowment of a har of Histology and appointed to direct the investigalike that they become somewhat secretive, Embryology, and £1,500 for the purchase tions, and a research laboratory is in but I believe they will do it. The Ger of apparatus for the Department of course of erection on the land recently transferred to the University. working parties under the direction of Professor T. G. B. Osborn have visited the Koonamore Vegetation Reserve Tiring the year. Photographic records na been made of all quadrats, and the 100square-metre and one-square-metre areas have been charted. A large number of comparative observations have been made of the type of herbage growing within and without the reserve, and investigations have been made into the root system of

nite correlation has been ascertained tween changes in the blood, or the

"In accordance with the terms of meement between the University the Commonwealth Council for Scien? and Industrial Research, which was tered into last year, the chemist (M) M. C. Dawbarn) engaged by the Anim Products Research Foundation to co-ope rate with the Conneil for Scientific and "One aim for securing of the land where gamation of ownership of the land where gamation of ownership of the land where coalfields are situated, so that an owner coalfields are situated, so that an owner will not put down a shaft on a site from will be can be made since February 1, on the analysis of thy available to the Department of Agriculture roid glands of sheep. It is designed, ultimated and the coal by will not put down a shaft on a site from will be conceived. The examinations will be conceived. The supplementary industrial Research, has been working available to the Department of Agriculture roid glands of sheep. It is designed, ultimated and the coal by since February 1, on the analysis of the suggested Agriculture roid glands of sheep. It is designed, ultimated and the coal by since February 1, on the analysis of the suggested Agriculture roid glands of sheep. It is designed the coal by since February 1, on the analysis of the suggested Agriculture roid glands of sheep. It is designed the coal by since February 1, on the analysis of the suggested Agriculture roid glands of sheep. It is designed the coal by since February 1, on the analysis of the suggested Agriculture roid glands of sheep. It is designed the coal by since February 1, on the analysis of the suggested Agriculture roid glands of sheep. It is designed to the Department of Agriculture roid glands of sheep. It is designed to the Department of Agriculture roid glands of sheep. It is designed to the Department of Agriculture roid glands of sheep. It is designed to the Department of Agriculture roid glands of sheep. It is designed to the Department of Agriculture roid glands of sheep. It is designed to the Department of Agriculture roid glands of sheep. It is designed to the Department of Agriculture roid glands of sheep. Irdustrial Research, has been working

currence of growths, and diet.