ADV. 13-12 28 RHODES SCHOLARS.

By AUSTRALIAN.

has it been achieved?

similar men abroad, would have a case. kindlier feeling towards, and a deeper appreciation of other nations' attitudes. If these men were not actually leaders themselves, at least they were to carry sufficient weight in their communities to be factors in the formation of public opinion. As such, Rhodes Scholars would be of service, not only to their homelands, but also to the community of nations as a whole. It is, then, a legitimate question to ask whether this system has been of the intended service to Australia and thus to South Australia.

How many leaders of the Commonwealth or of the State are ex-Rhodes scholars? It would be worth while for this query to be properly answered, and further, it could, and should, be determined whether Australia has not lost more than it has gained by the system. Unfortunately the average ex-Rhodes scholar whom the public has in mind is a quiet, retiring professional man or schoolmaster, and only too frequently he is not living in Australia at all. Instead, in the latter event, of being a gain, he is a definite

at the end of his course a position elsewhere because other countries

offer higher remuneration. that the present system appears fail. With hardly an exception,

nificant fact that the majority

SURVEY.

loss to the country. The reason is the Sydney University, has been spend-conditions on those ancient and widely- Queensland," and others were mentioned of men-both the men themselves anding the past week in South Australia distributed, lobster-like marine fauna dealing with geological problems of conthe manner of their selection. Itas the guest of Professor Walter How-near Adelaide, Professor Gregory had siderable importance to Australian ought to be an understood thing thatchin and Sir Douglas Mawson. The remarked. The scholarship should never be re-covered a wonderfully interesting group sumably, before the coming on of the since the number of purchasers would

there is also to be considered the man-mals than have hitherto been ob- a good state of preservation. With re-

have completed a University course type of animal. The type was of the found in rocks like those previously men-hels. The result is that they are of an agenature of an ancestor of the well-tioned, as, if so, he would like to test which means first, that they do notknown marine animal known as the them for the possibility of some of mix as well as could be hoped with King crab, which was fairly abundant the spores still retaining sufficient their fellow students at Oxford. and on the American coast of the Atlantic vitality to admit of their being cultisecondly, that they are too old, in most Ocean, and in the Malayan and Japa- vated so that they may germinate and cases, for the extra period of Univer-nese seas. Its ancestor was known as multiply." sity study to be beneficial. It is a sig-the Eurypterid, a kind of extinct of lobster, which was abundant in the sea-Rhodes scholars—at least of recent sediment, which was later compacted Professor David said in the Septem- The annual University Commemoration

he may start to do so. A law student and that they were probably over a foot the past 18 months Professor Lipman is, for example, admitted to the bar in long. They were the most highly had been experimenting on the fossouth Australia. For him to go abroad organised animals in the world of their sil spores, and had had time refor a term of years will perhaps give time, and dominated other living crea-peatedly to verify the accuracy of his him a return in the broader outlook tures, especially the sand-worms, which results. He had found that, after gained through experience. But the were numerous at that epoch. Many following an elaborate technique, about majority of young lawyers cannot afford of the most eminent zoologists con-to be described by him in a paper, he The recent appointment of a Rhodes the loss of time. The time spent sidered that those marine animals were had been able to cultivate the spores The recent appointment of a following the spores that those marked the spores that those marked the spores that those marked the spores of the vertebrate, and watch their germination. Profestions from which man himself was descended sor Linear their germination. Scholar for South Australia is an opportune occasion to enquire whether or
not the whole system of Rhodes

This is men to whom post-graduate work will

The direct ancestors of the vertebrate, and watch their germination. Profestors of the vertebrate, and watch their germination of the vertebrate, and watch the vertebrate of the vert not the whole. This is men to whom post-graduate work will the point of view of evolution, and the certain that some of the spores might

question which has been raised in Engare only a few branches with good interesting feature of the discovery was genuinely come out of the very old
land—whether the Rhodes system has positions left for men of their mark, the fact that ancient marine rock mentioned out of the very land—whether the Rhodes system has positions left for men of their mark, the fact that ancient marine rock mentioned. Professor Lipman been beneficial or otherwise to Oxford. and that they must take these where fauna was in part, at any rate, co-had stated that the spores were of Cecil Rhodes was of the opinion that, they may. Unfortunately this is only existent with a stupendous ice age a type such as belonged to the fungi Cecil Rhodes was of the opinion too often in countries other than Aus-Evidence of that had been worked out but that they were unlike any spores tries could associate with one another to a few years in the environment of this is so it is hardly a sufficient the immense glacial deposits left by resembled the spores of the fungus Oxford, a spirit of understanding would compensation, and at any rate it is ice sheets similar perhaps to those ofknown as Actino myces. so grow up among them that when not what Rhodes intended. The diffi-Antarctica, which covered a large area "Professor Cleland, of the Universo grow up among them that when culty at present is, therefore, that of south-eastern Australia, particularly sity of Adelaide, informed me," relater, they had returned to their own there are few occupations where a post-in the region of Broken Hill to Tiboo-marked Professor David, "that the worn down to its present plateau shapday. as the result of exposure to the destructive action of the weather for millions of years. Professor Howchin had shown that those glacial deposits, or tillites as they were called, were strongly developed in the Sturt Gorge, near Adelaide, and especially at Peterborough and Pekina, from which localities they could be followed northward to near Lake Eyre and eastward to near Broken Hill. The presi-were made to the Council for Scientific dent of the Geological Society of London Industrial Research on the necessity for (Professor J. W. Gregory), in a letter obtaining funds to cover the cost of received recently by him (Professor publication of certain highly important David), had stated that he considered pieces of scientific work which had been that the extremely ancient glacial de-carried out by Australian workers. One posits described by Professor Howchin particular instance was the "Study of were the only well authenticated glacial the Meteorological Results of the First deposits of such high antiquity and ex-Shackleton Expedition," which had been tensive development as yet recorded completed by Dr. Edward Kidson, forfrom any part of the world. It would merly of the Commonwealth Meteorolo-Professor Sir Edgeworth David, of be extremely interesting to study the gical Bureau. Another interesting work reaction of the coming on of the glacial dealt with the "Rain Forest Trees of

An Astounding Claim.

consider his own ends entirely, he is Specimens obtained in the last few were of the pre-Cambrian age, frequently not in a financial position days, added to the knowledge of those probably not younger than the rocksray) will preside.

to be able to spend years abroad which extinct creatures, in that they showed of the Adelaide series, the latter, as by postponing the time in which thickest part was three to four inches, haps some 600,000,000 years ago. For

Scholarships is worth white. This limits the applications scientific world would eagerly await the not have been of recent origin, and to future schoolmasters, university pro-result of Sir Douglas Mawson's further had floated in division and a question which has of late years be useful. This limits the applications scientific world would eagerly await the not have been of recent origin, and to future schoolmasters, university proposed sufficiently often to suggest that perhaps all is not as it should be. It is not proposed to discuss the be. It is not proposed to discuss the be. It is not proposed to discuss the be it is not proposed to discuss the bear raised in Engquestion which has been raised in Engquestion which has bee

countries they would be a powerful graduate course can be of service. If burra, and also perhaps in the Gawlerspores of that modern fungus were reforce for good, and an aid in bringing the men were selected before they Ranges. Those ice sheets extended sponsible for causing 'lumpy jaw' in about a mutual respect for other na- started on their university course, then respectively westwards and north-east-cattle. He considered that Professor about a mutual respect for other had these considerations would not arise, wards into what was then an immenseLipmans' experiments had yielded retions' points of view. There are few no matter what career the scholars in-sea, the floor of which had subsequently suits not account to the considered that Professor no matter what career the scholars in-sea, the floor of which had subsequently sults not necessarily beyond the bounds who would quarrel with the idea. But tended to follow. They could finish been raised so as to create the Mountof possibility, provided the spores of a course abroad in the same time as a Lofty and Flinders Ranges. Icebergs the fungus had been so hermetically Now what is undoubtedly the essen- contemporary here, and without being breaking off from that ice-sheet orsealed up in the rocks that they nad Now what is undoubtedly the essendelayed in their eventual start of earn-group of confluent glaciers, dumped apractically undergone no change since
tial for the success of the scheme is ing a livelihood, a handicap which atvast amount of glacial debris in thethe time of their entombment millions the correct choice of men. Those whom present only a man of means can afford form of ice-scratched pebbles or theof years ago. At the same time both Rhodes had in mind were men who to overlook. What is more, Australia large angular blocks known as erraticshe and I stress the point that great in later life would be leaders; not would lose fewer men. The scholar-on to the floor of the sea. The mudicaution is needed before such startin later life would be leaders; not would become possible for many of that ancient ocean, largely over-ling results can be accepted as absonecessarily perhaps men in public life, to whom it is now out of the question, spread by the glacial deposits, had nowlutely proved. If proved, they will but preferably so. They were to be and, conceivably, they might be those been hardened into rock, and had beerrender it possible for scientists to culmen who would form national policies, who would later play a greater partforced up in mightly folds of thetivate either noxious fungi of high and who, owing to their contact with in public life than is at present the earth's crust, building a greatentiquity, like the Actino myces just range of mountains along the lancmentioned, or to propagate possibly from Mount Lofty to the extremimany useful forms of plants which north end of the Flinders anchecame extinct millions of years ago. William Ranges, the latter near LakiThe discovery, if confirmed, abounds Eyre. Those ranges were formerly imin most fascinating possibilities." mensely higher than their modern resi Professor Sir Edgeworth David duals, the old alpine range having beerleave on his return to Sydney to-

ADV. 15-12-28

PUBLICATION OF SCIENTIFIC PUBLICATIONS.

Some time ago urgent representations science. It was pointed out that it was an Australian Rhodes scholar should, object of the visit has been chiefly to fauna mentioned has been found to be the Royal Societies or other scientific abroad, return to Australia, so that examine, in company with Sir Douglas apparently entirely restricted to the bodies to publish works as extensive as Australia may have the benefit of the Mawson, the areas near Adelaide in strata which underlie the glacial beds these, nor could any commercial pubbetter man that he is or should be which Professor David recently dis- and which, therefore, were formed, pre- lishing house be expected to accept them, garded purely as a means of self-ad-of fossilised marine animal life, belong-trace of them has been found in the and Industrial Research, supported by which is shouldered directly the evidence to be six hundred millions of newer than the glacial deposits of the Eureau, and the Solar Physics Obsertors of the country in the evidence to be the only one have explored, with Sir Edgeworth the still newer rocks of Reynella and of £1,000 per annum should be made can this scholarship be of benefit to the country in the vicinity of Brighton, where the manus highly meritorious work which was becan this scholarship be of benefit to Tea Tree Gully, and more particularly are so extensively worked for the manu- highly meritorious work which was beresult is that he, being usually a man round the Beaumont quarries, near facture of Portland cement. It may be yound the means of scientific organisasuggested, then, that possibly the in-tions. The Prime Minister provided "Sir Douglas Mawson will take up tensity of the cold drove the eurypterids £1,000 on the Estimates for the current can is anticipated that, inasmuch as the refrigeration gradually developed itself, sisting of Dr. A. C. D. Rivett, repre-This, however, is only one side of strata in the Flinders Ranges, to the It may be added that in later geological senting the Council for Scientific and the question. It is not always that the north of Adelaide, where Sir Douglas times the eurypterids became the largest Industrial Research; Mr. H. J. Sheerecipient is so mercenary. Probably all will have a University geological party of all the crustacea, actually attaining han, representing the Commonwealth against whom this legitimate complaint working this summer, are much less a length of from seven to eight feet, as Treasury, and a nominee of the Ausmay be directed would be of greateraltered by heat and pressure than are has been proved in the case of the old red tralian National Research Council to service to Australia if they were chosen the rocks near Adelaide itself, much bet- sandstone in Scotland, in which fossils administer the fund. This committee at a proper time. It is not only ater specimens will shortly be forth- of this kind and size have been dis- is now prepared to consider manuscripts question of choosing the right men; coming of these interesting fossil ani- covered, their skeletons being in quite which may be submitted. It will, of ner of their selection. They shouldtained." That view was expressed by ference to the rocks of Brighton and course, seek the assistance of thoroughly be chosen at that period of their Professor David in an interview on Reynella, I have received a let-competent authorities in the subject career most suitable. And it is here Thursday. He stated that no perfect ter from Professor Charles Lipman, who matter of theses submitted. Only work tospecimens had been discovered, but occupies the Chair of Plant Physiology of a very high order of merit will be ifalmost sufficient material had come to at Berkeley University, California. In considered, and then only if it is shown there is one, the Rhodes scholars from light to admit of the restoration of it he asks if any fossil plants, particu-to be quite impossible to secure publithis State have been chosen after they that extraordinarily interesting old larly of a spore-bearing nature, have been cation through any of the usual chan-

RE G: 17-12-28

UNIVERSITY COMMEMORATION.

years—appears to be composed of medi-into rock to form the Mount Lorty ber number of the scientific magazine will be held in the Elder Hall on Friday is that it is to men of this class alone mont quarries Sir Douglas Mawson made the astounding claim, supported at 3 p.m., when candidates of the Univerthat the extra years (after they have discovered last Tuesday a belt of rocks by good evidence, that he had ob-sity of Adelaide and graduates of other graduated), if spent abroad, will be of in which small fragments of those tained living, or potentially living, plant universities will be admitted to degrees. advantage. Men of other faculties animals occurred at the rate of about spores from the rocks of the GrandThe public will be admitted by ticket. consider that the time spent would be 2,000 pieces to the square foot. Obvi- Canyon of Western America, as well and all ticketholders, other than members cants. For it must be admitted that near Adelaide must have carried many In both cases the spores were isolated of the council, senate, and staff are asked consider his own ends entirely, he is Specimens obtained that near Adelaide must have carried many In both cases the spores were isolated to take their seats not later than 2.50 consider his own ends entirely, he is Specimens obtained that near than 2.50 consider his own ends entirely. andp.m. The Chancellor (Sir George Mur-