THE SCIENCE CONGRESS.

phase of life was affected by the peration of both professions, and each inaugural address demonstrated, men of science enjoy a distinct field for investigation which promises an ample return for the labor expended upon it. Several of the papers, and his own among them dealt with the application of science to industry, a matter which has long engaged the attention of the public and latterly of legislators also. The growth of flowers for the perfumes and oils to be extracted from them, though not a new subject, is one that deserves more notice than it has received, and

pear that this would be probable in the near future. Synthetic methods are responsible for many results which a few years ago would have been regarded as improbable, but, on the other hand, new uses are continually being found for materials which have been displaced. Adelaide University is exceedingly for And in any case an unjustifiable risk not made for the supply of apparently they might possibly be surplanted by Professor Tucker held the chair of some other commodities or made by

and forestry section, of which he is pre-

sident. "Forestry is agriculture on a

long rotation," said this authority.

"Crops are grown again and again." In

this respect one generation owes a duty

played an important part in nation building. Members of both professions rarely

Sir Charles Rosenthal.

bridges, and railways had made the

up of huge areas possible.

received adequate monetary reward for the conference was indebted to Profesto the man who loved his profession the sor Rennie for an instructive and inknowledge that his services were being teresting paper on "The chemical exemployed for the general good of the ploitation, past, present, and future, of chitectural monuments were continually Australian flowers." Where we have being erected testifying to his skill, was aso much land to be tilled and such vast be glad to see more of such men takingties to be exploited, it is norhans hardly, their rightful place in the Parliaments of to be expected that any considerable secthe Commonwealth and States. Their tion of landholders would turn aside counsels would be of the greatest value, from the pursuits thus opened to them and their influence inestimable in assist from the pursuits thus opened to them ing to guide the destinies of this young but to engage in the art of perfume producgrowing nation.

Regeneration of Eucalypts. difference between success and failure, the tanning properties of the whole produced, and if the dream of the rhythmic training as a prelude to the germinate when sown on a thin sur- wattle tree for the production of tannin to be peopled by supermen, it is only parents need first to be converted. If face layer of ordinary commercial extract, instead of simply taking the through the disappearance of our "lesser they will concede that point and postpone they have been supposed to ask, with Pro-breed" that room will be found for grades of superphosphate, potassium sul-bark. Is it too much to ask, with Pro-breed" that room will be found for factors, such as root competition from fessor Rennie, that "in any scheme of them.

woody undergrowth, or even annuals, afforestation regard may be paid not which were largely eliminated by a heavy only to the supply of timber, but also burn, were more or less controllable by clearing and cultivation. This question was to the study of conditions under which worthy of further detailed study, as the other products can be conserved?" He solution would appear to offer possibilities admitted that it was possible that with a connection with the difficult problem of the economical re-establishment of certain the progress of organic chemistry some supplies were limited and expensive. But the problems of nature discussed in his speaking might be manufactured more paper required attention by a properly cheaply than they could be obtained arranised silvicultural research matitution, by present processes, but it did not ap-

MAIL 4. 9.26

Professor Tucker

tunate in having secured the services of would be incurred if preparations were Professor T. G. Tucker to take charge of the department of classics during the absence of Professor Darnley Naylor in necessary substances on the ground that England next year.

ciassical philology in Melbourne Univer- some other process. Professor Rennie's sity for 34 years, retiring in 1919. He demand for increased attention is the author of classical works, which forestry was reinforced by Mr. Lane are regarded by the leading scholars of Poole in a paper before the agriculture Europe and America as substantial conscioutions to the sum of the world's knowledge. In 1800 he received the degree of Doctor of Letters of Cambridge, and two years later the honorary degree of Doctor of Letters of Dublin in recognition of his Greek publications. Professor Tucker is 67 years of age. At 24 he was appointed the first occupant of the chair classics and English in Auckland niversity College, New Zealand.

independent of supplies from outside FODDER

The average man seldom penetrates ing, covered a wide ground, and while far into the domain of science and philo- to South Australians the one summarissophy, and therefore probably does noting the latest additions to our knowalways realise sufficiently the debt he ledge in the field of organic South Australian Experiments owes to those who labor in these fields chemistry possesses special interest, as South Australian Experiments Hence the importance and usefulness of being the work of Professor Brailsford the Australasian Association for the Robertson, of this State, it has a claim the Australasian Association for the to attention on its own merits. Life is At the Science Congress Professor T. G. Advancement of Science, which has been proverbially so sweet that, unless racked Osborne, D.Sc., of South Australia, in a holding its eighteenth congress at Perth, with pain or threatened with ruin or paper on "The factors influencing the re-If one object sought to be attained loss of reason, man is loth to surrender generation of vegetation in the arid parts by these gatherings is to promote inter- it. "All that a man hath will be give of Australia, with under 10 in. of rain course between the cultivators of science, as when thousands of years ago it was made use of native vegetation for feeding another is to gain for their labors more uttered by the Biblical sage. For ages of the industry was intimately bound up general recognition from the public. In the search has been for an "elixir of life." with the study of arid plant life. The Australia, as Professor Rennie in his It was a vain quest, because those en-Koonamore vegetation reserve in South We carry within us the seeds of natu-laide by the owners of Koonamore Staral death in the shape of destructive tion, for research conducted by the Decells, the removal of which, could it partment of Botany. An adjacent field be effected, would render us potentially laboratory had been built by the donors as immortal as the amoeba and other work. It was the first of its kind in Australia organisms, now are. By cell the little of the little of the little of the little organisms. transplantation and the use of extracts the area, which was a typical piece of from the pituary gland it has for over-grazed salt bush and blue bush counsome time been found possible to pro-try. long the duration of life among rats At the outset the regeneration of the and mice; and lately the same end has natural flora was being studied by means been achieved more effectively still by of a detailed survey of selected spots the administration of a superabundance taken at regular intervals. As the work of nitric acid manufactured from animal grazing tests on selected plots, and build tissues. The control established over up a body of scientific data that might be life and death may not yet amount to up a body of scientific data that might be life and death may not yet amount to a guide to pastoralists. Full results could much, but that it should be estab-not be expected for some years. lished at all is a tremendous fact, bring- He gave warning that on no stations ing as it does into view possibilities should grazing be carried to such an ex magnificent reward, which was truly natural resources and pastoral possibili- of. Professor Robertson does not hesi-tion was destroyed, or its reproduction tate to say that the experiments which imperilled. There were no plants known now only concern the creatures Shakes so well suited to act as fodder in our arice peare designates the "small deer" of the trains as the natural and peculiarly Aus biological world, may some day, the biological world, may some day be found to affect the lives of persons, societion. Of course, it is not desired that of existence will be given. It will ties, and nations, to whom a new lease Notes on the natural regeneration of tion should do anything of the kind, doubt that science would some day en-Notes on the natural regelectation of the kind, and the span of the span of the conservation that the spen of pearly every courses in musical appreciation that the spen of pearly every courses in musical appreciation there is the spen of the spen of the conservation that the spen of pearly every courses in musical appreciation there is the spen of the conservation that the conservati miseonception that the seed of nearly every as it does in Western Australia, there 120 years. His plan was to counteract and awal culture, the study of which is in order to germinate, he said it was a are possibilities of remunerative employ- the poisons in the intestines by a liberal the only modern way of approaching musisafe generalisation to state that a strong ment of capital and labor to which Aus-consumption of sour milk. His theory cal understanding. Miss Ivy Ayers' classes surface fire in a eucalypt forest destroyed trailians should be grateful to Professor practically all eucalypt seed except that trailians should be grateful to Professor was that when the natural span of life have been so successful since her arrival had been covered the King of Terrors in Adelaide that an extension of her work would lose his name, and might even is contemplated.

The treating any all parts of Australia there will be gene
Schopenhauer, who began by questions are trailing as working a typewriter. ently ring-barked trees on the area burnt more vigorous pointy of anotestation in the secondary. In treating any all parts of Australia there will be gene-Schopenhauer, who began by question-ciation of music as working a typewriter operations should be postponed until School of Forestry at Canberra is one of that the older he got the less became ture. The first essentials of musical understanding are ear and rhythmic training. under treatment were several evidences of the awakening of flight of the years he con- A sensitive car and a rightnic response carrying a crop of mature seed. The fire a "forest consciousness," but Professor soled himself by recalling the are either inborn or must be cultivated. To whole of the available crop of seed should Rennie rightly dwells on the need of number of centenarians. If another feel the rhythmic beats of a time signafall more or less simultaneously instead much more extensive plantations of scientist, the late Russel Wallace, may or three years. The mineral ash resulting fam heaps of debris burnt during a future supplies are to be assured. The be a bad thing for the race if Death fire might provide plant food in an in-Royal Commission on Secondary Indus were really conquered. For as be confire might provide plant food in an in-Royal Commission on Secondary Indus-were really conquered. For, as he consoluble form, and this might act as a tries in this State recently directed at-tended, it has always been through death advocate one or two years of preliminary in certain dry forest types to make the tention to the possibility of utilising that the higher forms of life have been training in musical perception and



Mr. F. G. Holdaway, M.Sc.

to its successors. Supplies may be used assistant lecturer in the department of up without impoverishing the people yet zoology at the University of Adelaide, unborn if plantation is carried out on travelling studentships in economic entoan adequate scale. At least we ought mology of the Council for Scientific and to aim at making the Commonwealth Industrial Research.

gaged in it were wholly unaware of the Australia was an area of 1,500 acres. direction in which to look. The bio-which had been vermin-proof fenced, and logists are now much better informed handed over to the University of Adeunicellular organisms now are. By cell tralia. Work was begun this year upon

play its piece, what a different thing music will become to the young folk, and what different teachers will in many cases develop. Frankly, as in all other progressive concerns, they will either have to keep up to date or get out.

The whole delight of painting lies in its appeal to the eye and the content of music lies in its understanding appeal to the ear.

> REC. 3. 9.26 SOUTH AUSTRALIAIN

ORCHESTRA.

To the Editor.

Sir-It is a matter of regret to the executive that the fifth concert of the orchestra. originally planned for this coming Saturday evening, has (owing to the referendum poll at the Town Hall) to be postponed until next Wednesday, September 8. We sincerely trust that our many friends will realize the altered date to be beyond our control, and, further, that they will not allow it to affect their attendance. A magnificent programme of favourite works has been arranged, including Wagner's "Tannhauser" and "Meistersingers Overture," and the "Steersman song" from "The Flying Dutchman," to be sung by Mr. Fred Stone, with orchestral accombe a first hearing of Percy Grainger's clog dance, "Handel in the Strand," and charming works of the Russian composer Borodine. We hope, therefore, that in spite of the unavoidable change of night, there will be a full house to great Mr. Roote and his splendid band.—I am, Sir, &c., E. HAROLD DAVIES.