Fame Began in Adelaide

(By FRED JOHNS, Author of "Notable Australians")

OF special interest to many South Australians is "The Times Weekly Edition." received by the latest mail, containing photographs alongside one another of two eminent men of world fame-Prof.

Sir Horace Lamb, F.R.S., and Prof. Sir William Bragg. F.R.S., formerly occupants of the chair of mathematics in the University of Adelaide, and both included in the King's birthday honors last month.

Dr. Lamb, with many aczdemic distinctions to his name, now Emeritus professor of mathematics at Mauchester University, received a knighthood, and Sir William Bragg was admitted to the very limited circle of the Order of Merit, probably taking the place in thus exalted company of the late Earl Balfour. "The Times" asserts that

the most interesting name in the honors list "is that of Sir William Bragg Sir William Henry Bragg. the great physicist, famous for his work on X-rays and crystals, who is the only recipient of the Order of Merit."

THIS renowned physicist is one of the world's authorities on radium. As another English newspaper writer stated recently he "continues to distinguish himself as one of the most advanced of those scientists who concern themselves with the atom, and as director of the Davy-Faraday Research Laboratory in the Royal Institution he still leads the world in that direction.'

The latest honor to Sir William is especially appropriate in this, the centenary year of Faraday. While at Adelaide University, where he held the chair of mathematics and physics for 21 years. Prof. Brazz (ereated K.B.E. in 1920) was elected a Fellow of the Royal Society for his research work in radioactivity, and he was awarded, conjointly with his distinguished son, the 1913 Nobel Prize for physics.

Sir Horace Lamb, who is 82 years of age, like Sir William Bragg (not yet 70) has been president of the British Association. Lamb, too, started on the road to fame in the realm of mathematical physics during his profesorship at Adelaide, which he left to go to Manchester in 1885, after 10 years' residence here.

VOUNG Prof. Brags, who was then only 23 and fresh from Cambridge, succeeded him. The first edition of Lamb's notable work on "Hydrodynamics" was dated from Adelaide. Another great book of his is "Infinitesimal Calculus."

Pref W. Lawrence Brage, F.R.S., Sir William's celebrated son, successor of the famous Sir Ernest (now Lord) Rutherford in the chair of physics at Manchester University in 1919, was born in Adelaide went to St. Peter's College, and graduated at our university in 1908, the year his father left for Leeds University.

Sir Horace Lamb's son Henry, a distinguished artist, was born in Adelaide in 1885, the year his father was appointed to Manchester, and in later Years was educated at that university.

FURTHER interesting coincidences are revealed in the fact that Sir Horace Lamb and Sir William Bragg both graduated at Trinity College, Cambridge, of which university Lamb was second wrangler in his year, and Bragg, third wrangler in

The venerable Canon F. Slanev Poole. of Ade- even if families were to become larger, laide, tells with delight that his first teaching appointment after leaving Cambridge in 1866 was at Steekport Grammar School, where he corrected exer- increase in relation to the whole popucises by Horace Lamb, and that two or three years after Prof. Lamb took up his duties in the Univer- Japan, individuals may go on begetting, sity of Adelaide in 1873, the canon temporarily occu- as they already are begetting, fewer pied the chair of classics at this institution.

adv. 24-7-31

Midday Organ Recital

and fugue, delightfully presented. In then."

RECENT PUBLICA-

DOMINANT ISSUE IN THE PACIFIC

By PROFESSOR W. K. HANCOCK

By W. R. Crocker, London: Allen and nineteenth century-it is the twentieth

attention of the Australian public. In the first place, the author is an Australian, a graduate of the University trialisation," Mr. Crocker considers the of Adelaide who has continued his competitive strength of Japan as an studies at Oxford and in America. He industrial country, and underlines her is now entering on a career in the weakness in iron, coal, and oil. The British Colonial Service. If this book vital importance to Japan of her inmay be taken as a measure of his terest in Southern Manchuria, as a abilities, the career will be a dis-partial compensation for her natural tinguished one. For the book (this is deficiencies. The present trade posiits second title to special attention tion of Japan, resting primarily on two here) is very good indeed. And, finally, highly unstable markets, the United it deals with a subject which is of States and China, is shown to be very great importance to Australia and to precarious. In a fine passage, Mr. every other Pacific country. For, as Crocker imagines the difficulties and the author proves, "Japan's foreign tragedies of the way that leads from policy will be determined by her popu- loyalties of family and class to modern lation problem; and to say this is to industrialism, and "all that is connoted mark out her population problem as in passing from Status to Contractthe dominant issue in the Pacific Re-impersonality, competition, recurring gion."

the book to summarise its "conclu- a theory of the State. . . . But the way sions," for the author does not proceed is not unattainable." by a series of emphatic pronouncements. His method is to take the reader lieve that ability to write the King's into his confidence by defining, with English is an unfair advantage which as much precision as possible, the sess over others. They may even preproblems which he intends to attack, tend that a good style has no place in and then to carry the reader with him statistical enquiries. This attitude is over the whole field of evidence (statis- utterly wrong-headed. A good style of questions about the future of Japan, Crocker's book is a proof. and then confesses "As yet the answers are unknown, and the present writer, though avoiding the pessimistic view of dare to suggest what they may be." specialists who have the wisdom "to doubt a little of their own infallibility!"

Population Problem Differs from That siders of England

Mr. Crocker does not give cut-anddried answers to the momentous questions which he considers, but he does make exceedingly plain the various factors on which these answers will depend. The "true" rate of natural increase in Japan (that is to say, the rate of natural increase in relation to the number of persons within the reproductive age-limits) is decreas-There is a distinct fall in the fecundity of Japanese families, together with a not insignificant retardation of the average age of marriage. But, at the same time, the age constitution of the Japanese population is such that the next generation will witness a progressive increase in the reproductive group as a proportion of the whole population. The position is in direct contrast with that of England, where, the "crude" rate of natural increase (that is to say, the rate of natural lation) would continue to decline. In and fewer children than did fathers and grandfathers, but there will be so many individuals in the begetting ages that the aggregate number of children born in any one year is bound to be great throughout the next two or three decades. taneously, there is (apart from improved hygiene) likely to be a marked decline in the death rate, owing to Excellent musical fare, ranging from the diminishing proportion of elderly Bach to Wolstenholme, was provided persons in the population. "In conby Mr. John Horner in his lunch hour sequence we are to expect that it will recital on the Elder Hall organ yester- be twenty or thirty more years hence day. It was obviously enjoyed keenly before a pronounced turn towards a by the throng of business folk and stationary level is made, and that at University students present. The least 15 to 20 million persons before Bach item was the "St. Ann" prelude added to the present numbers before

by the low yield of rice per man, that versity last night. dering of "Love Divine" (Stainer), to numbers on the agricultural soil has ago.

the recitalist's expressive planoforte already created a grave economic and In the production of iron, salt, and Thebarton Technical School.

social problem, which has been in part gypsum, he thought South Australia As a member of the Public Library

tions will not enable her to grow food aufficient for her needs. (The author. it should be stated, is aware of the more optimistic estimates which have been published.) Japan already imports one-fifth of the rice which she consumes; in the future she will almost certainly be compelled to increase this proportion. Like nineteenth century England, she will have to export more and more manufactured goods in order to pay for raw materials and food. But the world in which she The Japanese Population Problem is no longer the easier world of the century world of rising tariffs, shrink-This book has special claims on the ing markets, and flerce competition.

Trade Position Precarious

In a chapter on the "Way of Indusunemployment, and that despairing, It would be doing an injustice to bitter cry of an urban proletariat which men misjudge for Socialism and

Sociologists sometimes appear to besome members of their profession postical, geographical, historical, econo-clarifies thought. And all those other "psychological") upon which an qualities which make a cultured manmic, "psychological") upon which an qualities which make a cultured man—understanding of the problem depends. The knowledge of ancient civilisations, the knowledge of ancient civilisations, philosophy, humility, wit, a feeling for perspective—all these will help their fortunate possessor to wring more its solution. At the conclusion of the its solution. At the conclusion of the its solution. At the conclusion of the its solution. The principal investigations of Probook, Mr. Crocker raises a whole series and specialised studies. Of this, Mr. fessor Kerr Grant will concern X-ray

The Creed of White Australia

In one important respect, however, Japan's future with difficulty, does not Mr. Crocker was not well equipped for his task. He does not know Japanese, wave, or micro-ray system. How rare, and how precious are those At first sight, this handicap might appear overwhelming, and it remains serious even when one the vast amount statistical and critical material relative to Japan which is available European languages—compilations the League of Nations, of the Americans, Berlin I will look at the latest photolearned publications in English, French, German, Italian, and so on All of these Mr. Crocker has consulted at present used." He has also had the courteous assistance of Japanese scholars, who have of the Adelaide University men who discussed with him their studies or hold important positions in Great translated for him materials which he Britain, including Professor Henry could not read at first hand. Still the Brose (Professor of Physics at Nottinghandleap remains, and the author who recently was given an important himself cautions the public against re-post in Lord Rutherford's Cavendish garding his book as an exhaustive and Laboratory, and Mr. A. L. Relmann, a final pronouncement on the problem son of Mr. I. G. Reimann, of the Elder with which he is concerned.

In conclusion, it is desirable to draw Company at Wembley. the special attention of Australian readers to a chapter on emigration. Mr Crocker shares the orthodox some of the latest engineering works. gration a by no means negligible pal- Both he and Professor Grant will by the ease with which an inter-liam Bragge is the president. nationally-minded Australian ignores "It is interesting to Australians," said our "Monroe Doctrine for the Pacific," Professor Chapman, "that Professor

adu. 22-7-31 ON MINING

Mr. Gartrell Explains

the Welstenholme "Question" and Can Japan support these increasing Mining is so important to the human ment of Science, and also the South "Answer," the work of London's numbers, while continuing to improve race that civilisation can endure only Australian Royal Society, of which he greatest limited by the standard of so long as standard of so long as the standard of so lon played with following blind organist was or even to maintain, her standard of so long as mining flourishes, and men is president. Before the geographic played with felicitous effect, and clever living? And, if she cannot, what will are willing to go down into mines and all section he will speak on the Struct contrasts in flute and reed tonal color- be the results of her failure? Mr. bring forth the treasures of the earth-tural and Human Geography of South with its melodic charm captivated question. In a chapter on "Growing mankind. That opinion was expressed He is anxious to visit technical and hearers, and in cultural and question. hearers, and, in quite another vein, Their Own Food" he argues that the by Mr. H. W. Gartrell, in a lecture onlyade schools in London, Edinburgh, pleasing of the symphony toccata was high yield of rice per man, that versity last the Uni-and Germany, and special schools in

On July 30, Mr. Horner's programme alleviated (probably only temporarily) was likely to lead the rest of the Com-Board, he will attend the jubilee of will include "Epinikion (Song of Vicby sericulture. He examines the opmonwealth. There was enough high-the British Museum of Natural Hiswho for the past three decades has
of agriculture and the area under culbeen organist of St John's College,
tivation, and concludes that the best 200 years. In Spencer Oulf there was included the property of the Decades of St John's College,
that Japan can achieve in these direct an inexhaustible street of the Com-Board, he will attend the jubiles
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to lead the rest of the Com-Board, he will attend the jubiles
that the present demands of Australia forms a delegate from the South Australia
Cambridge that Japan can achieve in these direct an inexhaustible supply of salt. Bro-national Congress on Geographic cen Hill mould lost for many years. Paris.

adv. 22-7-31 131 TO ADVANCE SCIENCE

Adelaide Delegation to London Conference

PAPER BY DR. FENNER

South Australia will be strongly represented at the centenary conference of the British Association for the Advancement of Science, which will begin in London on September 23.

Delegates from this State will be Professors Kerr Grant and R. W. Chapman, of the University of Adelaide, and Dr. Charles Fenner (Superintendent of Technical Education They will leave by the Balranald on August 5. Dr. Fenner will have the honor of being one of the few Dominion representatives to submit a paper to the distinguished gathering. General Smuts, former Prime Minister of South Africa, will preside,

The British Association for Advancement of Science was founded at York (England), and that city will be visited as one of the functions connected with the centenary celebrations. A delegation from the association, under the leadership of Sir Oliver Lodge, visited all Australian cities, including Adelaide, in 1914, but the outbreak of the war cut their programme short.

The Australian delegation to the conference will be led by Sir Hubert Murray (president-elect of the Australian association), and will include also Professors Skeats and Ewart, of Melbourne University, and Mr. Clive Lord. of the Tasmanian Museum.

Professor J. W. Gregory, author of the "Dead Heart of Australia," will preside over the geology section, and

and radium treatment and radio-therapy. The professor also will make the most of the opportunity of seeing the latest development in wireless and television, and specially the ultra-sort

"Recently," said Professor Grant yesterday, "there was a successful demonstration from Dover to Calais on an 18 centimeter, or about 71 inch beam The great advantage of such a system is its secrecy, as it is very difficult to electric cells used in the "Talkies." Their efficiency is 50 times greater than those

While in England, he will visit some Conservatorium, who is in the research laboratory of the General Electric

Engineering Schools

opinion that emigration cannot solve and visit the engineering schools of a country's population problem; butthe universities. The physical laborahe believes that the special conditionstories, where a large amount of reof the Japanese problem makes emi-search is undertaken will also claim

liative. This fact is likely to influence attend the Michael Faraday centenary Japanese policy in the future. Aus calebrations being arranged by the tralian nationalists may be surprised Royal Institution, of which Sir Wil-

and wavers in the creed of White Aus-Bragge now occupies the position held by Faraday himself, and he is worthly upholding the traditions of the position which has been occupied by many

aminent men." Professor Chapman said among those who would deliver lectures to the conference were Sir James Jeans and Su

Oliver Lodge. Geography of South Australia.

Dr. Fenner will represent the Aus-

Miss Rita Nelson and Mr. Leonard agriculture is already yielding diminish- He said that five times more metalindividual education are being con-Morphett joined in a creditable ren- ing returns, and that the pressure of was being used today than 35 years jucted on lines similar to those of