

Ado. 17-735
TELEVISION AND STRATOSPHERE

Professor Brose, S.A. Rhodes Scholar, Returns

PERTH, July 16. Dr. H. L. Brose, professor in physics at the University of Nottingham, passed through Fremantle today on the Corfu for Sydney where he will deliver lectures under the auspices of the Sydney University Extension Board. The professor is the Rhodes Scholar for South Australia in 1913. His lectures will be on short wireless waves, alchemy, and the stratosphere.

Although Professor Brose hopes that the future may see a great development in stratosphere flight, with the aid of planes specially designed and equipped with closed cabins and apparatus for the regulation of temperature, he does not see too great scientific value in personal concentration on scientific work while in the stratosphere. All apparatus available from personal ascents could be obtained in a more or less self-registering instruments in unarmoured balloons, he said, although such flights were a tribute to the scientist's courage.

Professor Brose said he was greatly impressed with the results to date from television, but he expected that before long good definition would be obtained. He had seen television sets operating in Germany. They were apparently quite satisfactory in some parts of the country there were television telephone systems, which enabled speakers to see each other. He was impressed with the assistance and encouragement given in Germany to scientific effort of practical value. During a recent visit there, questions were relatively were regarded as academically worthy, but Government support was concentrated on scientific work which was likely to be of ultimate benefit to the nation.

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HOW ANCIENTS TOLD THE TIME

Professor Addresses Astronomical Society

The story of a star—Sirius—was told by Professor R. W. Chapman, professor of engineering at the University of Adelaide last night, when he addressed a meeting of members of the Astronomical Society at the Institute, North terrace.

Professor Chapman, who is president of the society, said that a star or group of stars rose with the sun on a certain day, on the next day the star was four minutes before the sun, and on the following day four minutes earlier, until at the end of the year stars and sun again rose together. That simple way of determining the length of the year was used by primitive peoples, including the Africans and many South Sea Island races. For a long period the Egyptians used Sirius in that way, and some of their temples were oriented so that on the dawn of the first day of the year the star was visible from the sanctuary.

Professor Chapman said that Sirius, the brightest star in the sky, was commonly known as the "Dog Star," and a host of superstitions were built around it. The measuring of the distance of Sirius from the earth, which had proved to be about 86 million years, or about twice the distance of the nearest star to us, was successfully done at the Cape in 1915 and some years ago. The mass of Sirius was two and a half times that of the sun, but so bright that it is 25 times as dense as water, so heavy that a matchbox full of it would weigh 100 tons.

This extraordinary result has been corroborated by measurements based upon Einstein's conclusions regarding the effect of gravitation upon the nature of the light it gives out," said Professor Chapman.

New 17-735
Dr. Muecke Coming Home

IN this column on Tuesday I had a reference to Dr. Francis Muecke, C.B.E., F.R.C.S., M.B., B.S., a graduate of the University of Adelaide, who is now a Harley street specialist in the care, nose, and throat.

Dr. F. S. Hone told me when I met him at the University yesterday that Dr. Muecke is coming to Melbourne to attend the British Medical Congress, a graduate of the University of Adelaide Adelaide University Medical School on September 18.

Dr. E. Harold Davies, Elder Professor of Music at the Adelaide University, will be 60 tomorrow. Born at Oxford, England, and educated at the local grammar school, he studied music under Dr. Joseph Bridge. After coming to South Australia, he graduated as Bachelor of Music in 1896, and took his doctorate (the first doctorate in music to be conferred by the University of Adelaide) in 1903. He became Director of the Conservatorium in 1919, and is the founder of the Adelaide Bach Society.

Dr. Davies

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MEDICAL SCHOOL JUBILEE

Adelaide Celebrations Next Month EMINENT VISITORS

Distinguished members of the medical profession in Australia and New Zealand will attend the jubilee celebrations of the School of Medicine of the Adelaide University, which will begin in Adelaide at the end of August. The Jubilee of the school occurs this year as the result of the holding of the British Medical Association conference in Melbourne, another notable event in the history of medicine in Australia.

The visitors from Britain will include Lord Horder, Physician-in-Ordinary to H.R.H. the Prince of Wales and chairman of the advisory scientific committee of the Britten Empire cancer campaign; Sir Thomas Pee, M.P., honorary Surgeon to His Majesty the King, and Dr. Francis Muecke, a graduate of the University of Adelaide, who has been practising in London for many years.

The celebrations will begin with a public conversation at the University on August 30 and 31. This will take the form of an exhibition designed to show the progress of medicine and surgery during the past 50 years. A special series of exhibits has been arranged in connection with each of the most important departments of medical knowledge, and these will be explained by lantern slides. The exhibition will be under the direction of a committee appointed by the Council of the University, and sub-committees will arrange exhibits and prepare synopses relating to the various sections. The exhibition will be open to the public on both days.

Because of the B.M.A. conference in Melbourne, there will be a hiatus in the celebrations until September 18. In the afternoon of that day an evening concert will be given by some distinguished visitors at the University, and at night a dinner will be held at the Refectory.

As some of the overseas visitors to the B.M.A. conference propose to return home by air, it is probable that many of them, especially those who have already accepted the University's invitation, will be present. Representatives of the universities and leading members of the medical profession from the other States.

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TWO DENTISTS TAKE D.D.S. DEGREES

Adelaide Men Successful At Chicago

Information has been received from the North-western University, Chicago, that on June 15 degrees of Doctor of Dental Surgery were conferred on Messrs. W. G. Delmont and Ernest P. Tideman, both of Adelaide.

Dr. Delmont is the only son of Mr. and Mrs. S. B. Delmont of Palmerston road, North Unley. He began his college career at Pulteney Grammar School, and took his intermediate, leaving, and leaving honors examinations in three consecutive years at St. Peter's College, North-western University, the Adelaide University, and took the degree of B.D.S. in 1923 obtaining first place. He was with the U.S. Army at Edwards for six months, and then

Dr. W. G. Delmont Dr. E. P. Tideman

managed Dr. A. P. R. Moore's practice for 12 months, before he left with Dr. Tideman for North-western University. Dr. Tideman is the elder son of Mr. and Mrs. A. E. Tideman, of Wilkinson avenue, Somerton. He was educated at Prince Alfred College, and then entered the National Bank. After 18 months, however, he left to study dentistry at the University. His musical studies had already won him the A.M.T.A. and L.A.B. He obtained top credit for the B.S. degree in 1923, and became assistant to Mr. L. S. Rogers, both at North terrace and Sirrahallon. In a few months, however, he was awarded the Ward Scholarship for North-western University.

Both Dr. Delmont and Dr. Tideman have been at the North-western University for a little more than 12 months, and they are now undertaking further post-graduate study in gold crown work. Before returning, they propose to visit England and the Continent.

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Professor J. A. Fitzherbert, Hughes professor of classics and comparative philology and literature at the University of Adelaide, will give the first of only two 1935 public lectures at the University on Tuesday night. His subject will be "The Spirit of Greece in Its Daily Life."

New 19-735

PROFESSOR'S TALK ON GREEK LIFE

Fifth of Varsity Series

On Tuesday night Prof. J. A. Fitzherbert, Hughes Professor of Classics at the University of Adelaide, will give the fifth of a series of public lectures held at the University this term. "Greece in Its Daily Life," and he will deal with the aspects in which the Greek attitude to life differed from our own—home life, education (intellectual, physical, and military), religious observances, and beliefs. Prof. Fitzherbert will give a second lecture on July 30 on "The Spirit of Rome in Its Daily Life."

The Lister Prize examination in surgery for fifth year medical students will take place on the following dates: Monday, August 5, at 2 p.m., Thursday, August 8, and Friday, August 9, at 9 a.m.

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NOTED ADELAIDE SCIENTIST

Dr. Brose Here Today CLOSE FRIEND OF EINSTEIN

Dr. Henry L. Brose, director of the department of physics at the University of Nottingham, who will reach Outer Harbor today in the Corfu, is a South Australian physicist who occupies a place in the forefront of the world's scientific community. He will spend a few days in Adelaide before proceeding in the Ormony to Sydney, where he will deliver a series of lectures on "The Secrets of the Universe," "Alchemy, Ancient and Modern," "The Electron and Its Use," and "Turning Wireles Waves and Medicine to Therapeutic Purposes."

Dr. Brose, who was born in Adelaide in 1890, was educated at Prince Alfred College and the University of Adelaide, where he received his science degree in 1909. Musical ability won for him a scholarship at the Elder Conservatorium of Music, and the Rhodes Scholarship in 1913, he added success to success. He was the first Australian Rhodes Scholar to obtain the degree of Doctor of Philosophy at Oxford, and among his other degrees those of Doctor of Science and Master of Arts.

Intermed in Germany
 At the outbreak of war Dr. Brose left one of a considerable number of British students travelling in Germany, and with them he was interrupted by the war. He was the recipient of an internment camp, every facility was afforded the students to pursue their studies. Although they suffered the general effects of the food shortage, and other hardships, they were able to make good use of their period of confinement. In fact, it was possible to hold in the camp examinations for the London matriculation.

Dr. Brose stayed in Germany enabled Dr. Brose to make a special study of the then new subject of Relativity. His work attracted the attention of Professor Einstein, whose scientific treatises the student was permitted to translate. A firm friendship was established between the two men. Years later Professor Einstein was the guest of Dr. and Mrs. Brose at Nottingham, where he delivered a lecture upon his theory of Relativity. He was unable at that time to speak English with fluency, he lectured in German, which was interpreted and gave the blackboard demonstrations.

Married Miss Jean Robertson
 Dr. Brose has been engaged in physics since 1919. He was appointed lecturer at the Oxford Electrical Laboratory in 1922, and was subsequently professor of physics at University College, Nottingham. He returned to Australia in 1926, and was a lecturer at Sydney University that year. While there he met Miss Jean Robertson, a student at the University. He had known in Adelaide before his departure for Oxford, and they were married in 1927.

They have a son, who at the age of seven years speaks German as fluently as his mother.

In addition to his original contributions upon the subject of Relativity, Dr. Brose has translated a number of German works of scientific importance. Among them are "Atomic Structure and Spectroscopy" by Max Born, "Cosmology" by Martin Schlegel, "The Foundations of Einstein's Theory of Gravitation" (Freundlich), and "The Principles of Quantum Mechanics" by Heisenberg. He has contributed to the Encyclopaedia Britannica articles upon the subjects of Relativity and Quantum Mechanics.

Dr. Brose is a nephew of Mr. and Mrs. Henry Gepp, formerly of the Royal Adelaide Hotel, who are living in retirement at Park terrace, Gilberton.