

VALUE OF AGRICULTURAL RESEARCH.

INCREASED PRODUCTION AND LOWERED COST.

WORK OF THE WAITE INSTITUTE.

DR. RICHARDSON ARRIVES IN ADELAIDE.

Dr. A. E. V. Richardson (Director and Professor of Agriculture of the Waite Agricultural Research Institute), who is not a dreamer, looks forward to the time when the institution with which Mr. Peter Waite has endowed South Australia may be the Rothamsted of the Southern Hemisphere. Dr. Richardson arrived in Adelaide yesterday, and will take up his new duties forthwith.

Time has dealt lightly with Dr. Arnold E. V. Richardson since he left South Australia thirteen years ago to take up an important position in the Victorian Department of Agriculture. He is only in his fortieth year, and his capacity for work has been proved by the manner in which he has maintained good health and mental efficiency during the trying time since his appointment as Director and Professor of Agriculture of the new Waite Agricultural Research Institute. Not only has he had to clear up a vast amount of work in the Victorian Department and as the Director of the School of Agriculture of the Melbourne University, but he has devoted his spare time to preliminary work in connection with the Waite Institute.

Dr. Richardson is ready and eager to enter upon his new sphere of action. He will probably take up his residence at Urrbrae within a week and begin his work at once. In an interview yesterday he said:—

"The magnificent and generous gift of Peter Waite has rendered possible the establishment in South Australia of a new type of institution for Australia—an Agricultural Research Institute, under



Dr. A. E. V. Richardson.

the control of the University, where investigational and research work in agriculture and allied subjects will be conducted in the interests of the State.

My father, who was more than once summoned and drove over to visit us in state, used to yoke two bullocks in the drag and drive them to the creek. Often our neighbors, Mr. and Mrs. George San-motor care then," said the old lady, "and there were bullock drays instead of motor cars."

Bullocks Instead of Horses.

very bad reputation among the settlers. The Encounter Bay natives, who had a Mr. Coleman, was exceedingly afraid of the Mount Barker tribe, according to the blacks returned to the spot. These were renewed every year when the mound put a small head of sticks, filled the earth in, and on the top of the body. The blacks then grass at the back of the head, and some a sitting posture. She put a bunch of con self, so as to place it as she wished, in the body in, and got into the grave her his grave. She then helped him to lift one of my brothers helped Mary to lift poor man, in one of these exploits, and those below. But he met his death, no nine hours, so they had to spend

work. The objective of an Agricultural Research Institute is to advance knowledge and discover new facts by experimental enquiry, and its ultimate aim is the improvement of agricultural practice. The acquisition of knowledge must precede its application. The work of the institute will be progressive, building on what has gone before and finding out the principles underlying our agricultural problems so that the problems may be solved. Agricultural education has three aspects—teaching, extension work, and investigation. Teaching and extension work rest ultimately on investigational work, for this latter is the source of knowledge. Its method is experimental enquiry and it goes outside the range of human experience and tradition."

Do you expect the work of the institute to increase agricultural output?

"The building up of a body of systematic knowledge by careful investigation and experiment is essential for the sound development of agriculture in any country. There is no doubt that the output of primary products of the State could be greatly increased, but to do this requires greater efficiency on the part of the man on the land, more complete knowledge of the principles of agriculture, and greater perfection in the technical processes underlying agriculture. The most effective method of securing a genuine and permanent increase in the output from the land is to improve the farming methods of the country and apply the teachings of science to agricultural production. This has been the experience of all great countries of the world. Twenty years ago the value of primary production was one-third of what it is to-day. Investigational and educational work has contributed very materially to the rapidity of our progress. Notwithstanding the fact that every decade the wheat belt is being pushed further back into drier and poorer country, the average wheat yields are steadily increasing. Owing to the discoveries of the scientists the practical farmer and the inventive genius of the implement makers and their intelligent co-operation, wheat-growing methods have been gradually improved. In Victoria the average wheat yield has increased during the past 20 years from 8½ bushels per acre to nearly 14 bushels per acre, and in one wheat-growing province, the Wimmera, where intensive propaganda and experimental work have been in operation, the wheat yields have been trebled in two decades.

What will be the scope of the institute?

"We cannot say definitely at this stage the precise character of the work which the institute will undertake," she said, "was about two years ago, when I was in the Mount Barker district, and took over the farm after this family moved to the farm."

Birth of Mount Barker.

develop a healthy appetite. breakfast, a constitutional warranted pleasure of walking up to the city. The young gentlemen then had their, when it was taken up the creek in day, which was not got off the ship till left to look after the heavier lug. One of Mrs. Coleman's brothers, engers on shore the following Wednesday, the captain sent nearly all the going over the bar until she was the drew too much water to allow of paratory to unloading at the Port, but red round to the mouth of the creek day, September 22, 1839, the ship was night by a fire on the beach. On

ELDER CONSERVATORIUM.

THE STUDENT ORCHESTRA.

The fifteenth concert of the series in connection with the Elder Conservatorium was given before a large and appreciative audience in the Elder Hall last night. Mr. W. H. Foote, the director of the wood-wind class at the Conservatorium, conducted. The students, led by Miss Gwen Moss, gave evidence of careful preparation. They showed a marked advance in interpreting rhythmical devices and the various moods of the numbers performed. The greater number of the works chosen were comfortably within the powers of students. The overture was one not often heard nowadays, "The Queen of Spades," by Suppe, which develops from a stately opening into a fiery allegro, then proceeds to an expressive "Andantino con moto," and finishes "presto molto." This moved the audience to a display of enthusiastic applause. A bracket which emphasised the progress of the string section contained Berlioz's "Dance of the Sylphs," and Gounod's "La Colombe." Both were typically illustrative and gave much pleasure. The popular "Blue Danube" waltz themes by Strauss were repeated at the call of the audience—a compliment which was well earned in all sections of the orchestra. The severest test was found in the three movements of Beethoven's Second Symphony. The first movement was played earlier in the year and with the "Larghetto," "Scherzo," and "Finale," performed at this concert adds a whole symphony to the repertoire of the orchestra. Much time, energy, and patience had been exercised by students and conductor, which resulted in a satisfactory rendition of the work. Mr. Foote has every reason to be proud of the progress made during the year.

There were two young vocalists assisting, both of whom made creditable first appearances. Miss Ruth Naylor sang two old English songs, "The Willow Song" and "Cherry Ripe," and overcame her evident nervousness in the first by singing the second really well. Her voice is clear and fresh, free from strain and harshness, and evenly produced. A happy personality added to her charm and implied future success as a concert artist. Miss Hilda Barnes, in her interpretation of an aria, "Ciascun lo dice," by Donizetti, displayed a soprano voice with operatic tendencies. She sang the florid passages brilliantly, and kept for the second song, "Pierrot," by de Rubner, artistic phrasing and delicate treatment. Misses Alice Meegan and Muriel Prince were accompanists.

NEWS 21. 11. 24

The name of Professor H. Darnley Naylor, M.A., was omitted from the published list of candidates nominated for vacancies in the Council of the Adelaide University. The six vacancies are to be filled at the election to be held at the Senate meeting next Wednesday afternoon.

Advertiser 25. 11. 24

THE METHODIST LADIES' COLLEGE OLD SCHOLARS' ASSOCIATION.

The ELIZABETH JACKSON MEMORIAL SCHOLARSHIP (founded by the Old Scholars' Association) in connection with the Methodist Ladies' College, has been awarded to KATHLEEN ELEANOR SHARMAN, of Black Forest. The old Collegians' Scholarship in connection with the M.L.C. has been awarded (half scholarship each) to Nance Elizabeth Bulman, Marlborough-road, Westbourne Park, and Norma Hazel Griffey, Lynton-avenue, Millswood Estate. IRIS MURDEN, GLADYS CASELY, Joint Secretaries.