# Value of Agricultural Education.

### Instructive Lectures.

Two interesting addresses were given or Monday night at the annual public meet ing of the South Australian Public stressed the necessity for greater attenpresided.

Developing Citizenship and Resources.

Professor Richardson prefaced his remarks by saying agricultural education was ful farmers, while the universities did of instruction, investigation, and extenjustified from the points of view of the their part by recognising that a pupil who sion. They needed trained teachers of development of the country's resources, had successfully passed through a four-agriculture in the colleges and high and the development of a high type of year course in a high school was qualified schools; trained specialists in agriculture rural citizenship. Agriculture was a reto enter the university. The outstanding for fostering the major and minor agrimarkable occupation because the confeatures of agricultural education in the cultural and live stock industries of the ditions of country life were peculiar in high schools abroad were:-The stress laid State; trained research workers to estabtheir contribution to health, their stimulus on the teaching of science; the practical lish the principles underlying the successto personal initiative, and their fostering nature of the instruction through either ful culture of their crops and the feeding influence on that spirit of individualism supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in democratic government. It was the most the teachers of agriculture in the second- tension workers, whose efforts would be any schools. They were all university directed to the improvement of farming the second- are second- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of the live stock; and in supervised farm practice or the "home pro- and management of was the only considerable calling in which graduates in the School of Agriculture, practices, by getting into touch with and the large number of high schools. the home was in intimate contact with and the large number of high schools farmers whose farms had given but the business. Farming, dealing as it did which operated an agricultural depart-mediocre yields of crops and live stock. at every step with the subtlest laws of ment. Great stress was laid on the teach-Agriculture was of vital importance to Nature, was capable of indefinite improveing of science, and all of the schools with Australia and to no State more than to ings of science were applied to its affairs, agricultural departments had well-equipped South Australia. He urged those who ings of science were applied to its affairs, science laboratories in which so much of the development of agriculture. Among those countries where systematic and organized instruction in agriculture had been my vogue for several generations, and where opportunity had been given to thoroughly testing its value, the United States stood pre-eminent, for its agricultural colleges all done at home, the view being held that and experiment stations had become the all done at home, the view being held that most unique, useful, and popular group of the time at school was much too short to educatinoal institutions in the country, spend any portion of it in acquiring manual and received the widest possible support dexterity in farming operations which from all classes of farmers. The funda-could be better done at home under the mental purpose of agricultural education tuition of the father. was the development of agriculture as a and politic fabric of the nation, and con- A.M.U.A., Jean Berry, and Phyllis Webb. sequently the improvement of agriculture until it was profitable and highly productive, and until the rural districts were comfortable and rural people educated.

### Comfort of Farming.

Dr. Richardson said that agriculture was not only a business but it was a mode of life as well, and it must afford its devotees the same comforts of life as are obtainable in other occupations. Farming would never come fully into its own plete system of agricultural education was science. It will be suggested that the until farmers learned to build suitable and justified, with a view to the development scholarship should not limit its holder to comfortable houses for themselves and of the country's material resources and applied research, nor to conditions of their children, and installed some of the of a high type of rural citizenship. Agri-future engagement by the Council for conveniences that were regarded as es- cultural education was important because Scientific and Industrial Research. sential in every city home. Future the conditions of country life were pecu- The conference held that tenure for a farmers, the young men and young women har in their contribution to health, limited period of professorial chairs other who were to live upon the land and till their stimulus to personal initiative, and than those of special research, was not in the soil, should be given an education their fostering influence on that spirit of the best interests of universities. that would not only make them efficient individualism upon which rested free insir Sir Henry Barraclough (Sydney) prein a business way, but would make for tutions and democratic government sented graphical diagrams showing the good citizenship as well. It did not mat- Agriculture was the most important in sources from which a sovereign of univerter much what form the non-vocational dustry in Australia, and it was the only sity revenue was received and the direcpart took, provided it was something that calling in which the home was in intimate tions in which, it was expended. He developed human faculties outside voca- contact with the business, so that all mem-argued that this unit of university revenue tional needs and only if it served to bers of the family lived in the atmosphere should be derived in equal proportions broaden rather than narrow, which was of the occupation. The art of farming from Government grants, private endowthe inevitable consequence of an exclusive dealt at every step with the most subtlement and tees. Comparing the finances of technical training. In Denmark this fea- laws of Nature and was capable of in Sydney University 25 years ago with those ture was very strongly emphasized in agri- definite improvement. In agricultural of to-day, he said that the amount spent cultural education. If this development education the United States stood pre- on the teaching staff was to-day in proporof agriculture were mercly the concern of eminent, for the annual appropriation for tion considerably less. The expenditure was a public question, and any money preciated that it was a mode of life, and On the suggestion of Tasmania it was spent on it was an investment in the those who took part in it were entitled resolved to reopen with the Federal would require at least as much training a considerable amount of capital for and managerial ability as he who now en-the purchase of land and equipment, and tralia, whether it was preferable for the gaged in business in the city. (Applause.) the young man who engaged in it would university or the Education Department. national problem, and that scientific agri- gaged in business in the city. culture afforded the best method of fully young farmer must fight against more nutilizing the land resources, and for these reasons, agricultural education had been organized with a thoroughness of detail characteristic of the nation. But nowhere method to purchase land at much agriculture with better results than in the higher values than the care t staple articles of Japan.

"Australia Lagging Behind."

Mr. McCoy said be learned abroad that the technical, scientific, and business many respects South Australian schools aspects of agriculture than the farmer of

their own, but their teaching of elemen problems not only with experience, but tary science, drawing, physical culture, with science as his ally, and his intelli-In no part of the world, however, did ture was its progressive character, for it and Industrial Research held on Tuesday, he find infant schools where the work was seeking to add to the advancement of the director of the Imperial Bureau of

#### In America.

productive occupation, and the agricultural vote of thanks, and musical items were people as an important part of the social given by the Misses Evelyn Morley,

### ADV. 21.8.28

### Agricultural Education.

analysis the development of agriculture that farming was a business it was ap creased. safest bank on earth—the soil of the to the same comforts as the people who authorities the question of preference to Commonwealth, and the people on whom lived in the cities enjoyed. There was no university graduates in certain Federal the nation must depend for its manage- reason for the farm homestead not pos- public service appointments. ment. For the young modern farmer, an sessing all the amenities which were at- The conference considered that broadlay of a considerable amount of capital importance, and the young far-The Government had realized that a cer require at least as much training and to conduct public examinations, the contain food supply was the most urgent managerial ability as he who now en-ference considered that the universities agriculture with better results than in the higher values than those of a generation dents who had studied mathematics for a case of rice and silk production, the two ago, and much of the land had depre year at the university. clated in fertility as a result of improvident cropping in the past, and he re-

especially the primary schools, could hold a generation ago. He must tace these business, and no less than 3,600 high the problem of providing a sufficiency of the Stockowners' Association. schools in the United States alone offered trained teachers, agricultural specialists, a course extending over four years to fit research workers, and extension workers, youths at the age of 18 to become success- and of using them in an organised system

REG. 22.8.78

## Both speakers were accorded a hearty UNIVERSITIES CONFERENCE

# Concluding Session.

MELBOURNE, Tuesday. Dr. A. E. V. Richardson delivered an At the concluding session to-day of the address on "The Objective and Methods Australian Universities Conference it was of Agricultural Education." He said all decided to request the trustees of the sections and industries appreciated the endowment fund of the Council for Scienvalue of education. All the great pro tific and Industrial Research to provide gressive countries had found that a com-an annual travelling scholarship in pure

the farmers, they might be left to pro- that form of education amounted to on the non-teaching staff, however, convide it for themselves, but in the last £12,000,000. In addition to recognising sidered on the same basis, had greatly in-

agricultural education was necessary, be tached to the city home. The whole casting should be controlled in Australia, cause modern farming required the out question was one of national as in England, by a trust, whose interest would be to give the best possible service for the purchase of land and equipment, mer needed agricultural education because to the community and not to make as

The should act on the advice of a body which

ANIMAL HEALTH.

standard of much that he saw. The striking feature of modern agricult the Commonwealth Council for Scientific was so uniformly good as in their own, knowledge of crops and livelihood through Animal Health, London (Sir Arnold and this remark applied to much of the the medium of experimental enquiry. The Thieler), met a number of leading South work in our central schools. One of the introduction of superphosphate, for in-Australian pastoralists, including Messrs. things that had made a deep impression stance, had increased the Australian M. S. Hawker, A. J. Melrose, P. A. Mewas the unbounded belief of English wheat yield by £7,500,000 per annum, and Bride, W. S. Kelly, R. T. Melrose, and speaking people, especially the people of by labor-saving machinery they were P. H. Jones, chairman of the Central Scotland, Canada, and the United States—able to do in three minutes what had in education, and the large sums of money taken three hours before. On the other spent to back that belief. Their teacher hand, Farrar, the pioneer wheat breeder, training institutions and their palatial schools and their fire equipment had no parallel in this country. One of the parallel in this country. One of the parallel in this country. One of the parallel in this mission was to plained the results of the teaching of agriculture in other countries, including Denmark, Japan, and the United States. He said the lessons to six Arneld left for Mount Cambian. ascertain what attention was being given States. He said the lessons to tary). Sir Arnold left for Mount Gambier to the teaching of agriculture in the be learned by Australia were that last night, and will spend to-morrow and Teachers' Union at the Teachers' College both being on the value of agricultural education. The speakers were Professor A E. V. Richardson and Mr. W. T. Mc. that particular work in their best princreased agricultural production. To describe the Abattairs and the couraging and the results of his en-money invested in agricultural education and research and extension work was retained by Australia were learned by Australia were learn Coy (Director of Education), and they remary schools was quite equal to the velop an efficient system of agricultural sales at the Abattoirs, and will leave for education they must begin from the top Burra in the afternoon. At Burra and of the educational ladder-the University Mount Bryan on Tuesday next he will tion being given to it in Australia. There The speaker said that in America, how- and work down through the agricultural inspect Merino flocks and stud sheep, and was a large attendance, over which the ever, no effort was spared to teach the boy colleges and high schools. The problem of will visit Clare the following Wednesday. president of the union (Mr. R. A. West) that farming could be made a profitable agricultural education resolved itself into On August 30 he will meet members of