

Volume 46 of the Transactions and Proceedings of the Royal Society, covering the research activities of the past year, is a bulky publication of exceptional scientific interest. There are more than the usual number of supplementary plates, including photographic blocks and diagrams, mainly illustrative of the fauna and flora of the State, apart from 65 figures in the text. The work of arrangement and indexing has been admirably done by the editor, Professor W. Howchin, and Mr. A. M. Lea (assistant editor). The volume will be circulated among kindred societies in all parts of the world, and the comprehensive and learned nature of its contents reflects credit upon the members of the society who have contributed to the proceedings.

A feature of special historical interest is the presidential address of Dr. R. S. Rogers, delivered at the annual meeting in October last, tracing the rise and development of the organisation from the old Adelaide Philosophical Society, one of the precursors of which was the South Australian Literary and Scientific Association, founded in London in August, 1834, a fortnight after the Bill for the establishment of the Province received the Royal assent. The relationship existing between the Royal Society and other institutions in the State is also dealt with. The transactions finding a place in the volume are the following:—

"A Note on the Pathological Morphology of *Chitraeta Spinifera*," by Professor T. G. B. Osborn.

"Occurrence of Remains of Small Crustacea in the Proterozoic (?) or Lower Cambrian (?) Rocks of Reynalla, near Adelaide," by Professor T. Edgeworth David.

"Notes on Australian Polyplacophora, with descriptions of three new species and two new varieties," by Mr. Edwin Ashby.

"A New Isopod from Central Australia, belonging to the Phreatoicidae," by Professor Chilton (New Zealand), communicated by Professor F. Wood Jones.

"The Flora and Fauna of Nuyt's Archipelago and the Investigator Group, No. 1—The Amphipoda and Isopoda," by Professor Chilton, communicated by Professor Wood Jones.

"The External Characters of Pouch Embryos of Marsupials, No. 3, *Isodon barrowensis*, and No. 4, *Pseudochirops dahl*," by Professor Wood Jones.

"A Geological Traverse of the Flinders Range from the Parachilna Gorge to the Lake Frome Plains," by Professor W. Howchin.

"Two New Species of Lycosa from South Australia," by Dr. R. H. Palleine.

"The Parasites of Australian Birds," by Professor J. Burton Cleland.

"The Tertiary Brown-coal Beds of Moorlands," by Professor Sir Douglas Mawson.

"Contributions to the Orchidology of Australia and New Zealand," by Dr. R. S. Rogers.

"The Physiography of the Meadows Valley, Mount Lofty Ranges," by Dr. E. O. Teale.

"Some New Records of Fungi for South Australia, Part II., together with a description of a new species of *Puccinia*," by Professor T. G. B. Osborn and Mr. Geoffrey Samuel.

"The Flora and Fauna of Nuyt's Archipelago and the Investigator Group, No. 2: The Monodelphian Mammals," by Professor Wood Jones.

"The Flora and Fauna of Nuyt's Archipelago and the Investigator Group, No. 3: A Sketch of the Ecology of Franklin Islands," by Professor Osborn.

"An Investigation of the Essential Oil from *Eucalyptus cneorifolia*" (the narrow leaf mallee of Kangaroo Island), by Mr. Philip A. Berry.

Bursaries
1923
Advertiser 10.1.23

GOVERNMENT BURSARIES.
The Minister of Education has awarded Government Bursaries to the following candidates, subject to satisfactory proof of age:—Sydney M. Blaskett, Adelaide High School, engineering; Arthur J. S. Adams, St. Peter's College, science; James H. Younkman, St. Peter's College, medicine; Yvonne L. Wait, Girton House, arts; Howard H. Forder, Adelaide High School, engineering; Arthur J. Chandler, Prince Alfred College, medicine; Gordon R. Piper, St. Peter's College, science; Joseph W. M. Richardson, St. Peter's College, engineering; George H. Solomon, St. Peter's College, medicine; Patrick J. Reilly, Sacred Heart, Glenelg, medicine; Wynne St. C. Riddle, Adelaide High School, science; and Gordon J. Aitchison, Prince Alfred College, engineering.

Herald 10.1.23

WORKERS' EDUCATIONAL ASSOCIATION.
The students of the Workers' Educational Association summer school at Mount Lofty had a social evening on Saturday. The chair was taken by the President (Dr. Heaton), and musical items were rendered by Misses Munns, Willmore, Mrs. Amesbury, and Mr. Mander. Mrs. M. J. Richards was the accompanist. Dr. Heaton gave a humorous reading and an original song. The "Summer School Repertory Troupe" staged a charade, and games and community singing were also indulged in. The President formally welcomed Mr. Mander, a former Adelaide lecturer, who is now acting in New Zealand for the association. In reply, Mr. Mander reported good progress, and said he had acquired many new ideas from the summer school. The President, who has written the chronicles of the school and parodied some of the lectures in verse, was hailed as the reincarnation of Virgil after breakfast, and solemnly crowned with a laurel wreath as a token of the devotion of the assembly. On Sunday afternoon the Rev. Hale spoke on the future of religion to a large attendance of students and visitors.

Register 11.1.23.

BEQUEST TO THE UNIVERSITY.
Under the will of the late Miss Alice Frances Keith Sheridan, of Keith Cottage, Mackinnon parade, North Adelaide, a handsome bequest is made to the Adelaide University. The value of the estate is set down at £30,000. The Hon. H. Homburg and Mr. A. A. Simpson have been appointed trustees and executors, and are authorised to set apart £100 for the erection of a tombstone and the maintenance of the grave of the testatrix. Provision is made in the will for a bequest of £50 each to two employees, and there are other personal bequests of amounts ranging up to £500. To the Adelaide University the testatrix bequeathed her estate, known as "Globe Chambers," at the corner of Grote street and Victoria square, and expresses a desire "that the gift shall be utilised for the advancement of medical research," and that it shall constitute a memorial "to perpetuate the family name of the late John Sheridan, M.D., of Edinburgh and his wife, Frances Keith Sheridan, daughter of the late Daniel Keith, D.D., of St. Andrew's University, Scotland." Miss Sheridan then provides that the residue of her estate is to be divided into two portions, and as to the portion "to which I became possessed by and through the will of my late brother, Reginald Sheridan, the same shall go to the University." Concerning the other portion, Miss Sheridan provides that the trustees shall distribute it "among such one or more charitable institutions in South Australia, and in such manner as they in their discretion shall deem fit and proper." There are four codicils to the will, one of which provides that Miss Sheridan's property at Mackinnon parade shall go to the Institutes' Association for the use and benefit of the residents in the neighbourhood thereof, as a public institute. As the house has been in the possession of the Sheridan family for about 50 years, the testatrix expresses a desire that the family name shall be perpetuated, and the place called the Keith Sheridan Institute. By a subsequent codicil the books, pictures, music, and piano of the testatrix are also left to the institute.

AGE OF LEARNING.
A Wonderful Advance.
Significant University Figures.

The University of Adelaide was established by Act of Parliament in 1874, and, seven years later, royal letters patent were issued by Queen Victoria declaring that the degrees granted by it should be recognised as academic distinctions throughout the British Empire, as if granted by any University in the United Kingdom. The University owes its origin to the munificence and public spirit of the late Sir Walter Watson Hughes and the late Sir Thomas Elder.

Grants of money and land were made by Parliament, and an undertaking to erect a building for the departments of physics and engineering. The University has been most fortunate in its benefactions. Very many, and large, sums have been donated for specific purposes at various times, among them being successively—in addition to the two mentioned—Hon. J. H. Angas, £4,000; Sir Thomas Elder, £10,000; Hon. J. H. Angas, £6,000; Sir Thomas Elder, £2,250; Sir Thomas Elder, £1,200; Sir Thomas Elder, £1,000; Mr. W. Everard, £1,000; Sir Thomas Elder, two sums of £20,000 each, and one of £25,000; Mr. Joseph Fisher, £1,000; Mr. R. Barr Smith, £9,000; Sir G. J. R. Murray, £1,000; Miss Stuckey, £500; Mr. D. Murray, £2,000; Mrs. John Bagot, £500; family of the late Mr. R. Barr Smith, £11,000; private subscriptions, £7,000; Sir G. J. R. Murray, £1,000; family of the late Mr. John Darling, £15,000; Sir Langdon Bonython, £40,000 (for the erection of a grand hall, security held from the South Australian Government, to be paid direct to the University in 1930); Mrs. G. A. Jury, £12,000; Mrs. Jane Marks, £30,000; and Mrs. A. M. Simpson and Miss Keith Sheridan, property of the value of £20,000. The donations include:—Way bequest, £1,250; Mr. R. Barr Smith, £1,000; anonymously, £1,500; and British Medical Association (South Australian branch), £650. Many of these handsome donations have been received comparatively recently, and to them there must be added the John Cresswell Memorial Committee's gift of £1,300, and the very valuable benefaction of the late Mr. Peter Waite, who has given the University the Urrbrae Estate, Glen Osmond, the Claremont Estate, and part of Netherby, and 5,880 shares in Elder, Smith, & Co., Ltd. The life tenancy of Mrs. Waite having expired, the landed properties have now fallen on, and it is understood that within the next month or two it will be decided in what way this gift shall be utilised. In addition to those mentioned there have been a large number of smaller gifts and bequests.

—From Small Beginnings.—
During the past few weeks very lengthy lists of students who have passed the various examinations conducted by the University have been published, and they are a sufficient indication of the extent of the work performed and the advance that has been made since the days of 1874. At that time a beginning was made with four professors, the chairs being:—(1) Classics and Comparative Philology and Literature; (2) English Law and Literature, Mental and Moral Philosophy; (3) Mathematics; and (4) Natural Science. The Chairs now are:—(1) Classics and Comparative Philology and Literature; (2) Philosophy and Economics; (3) Modern History; (4) Engineering; (5) Physics; (6) Anatomy; (7) Physiology; (8) Chemistry; (9) Botany; (10) Law; (11) Music; (12) Pathology; (13) Mathematics; (14) Geology and Mineralogy; (15) Zoology; (16) English Language and Literature. In addition there are now 50 lecturers, also a staff of 19 teachers in the Elder Conservatorium of Music. The number of students have grown at a remarkable rate, especially during the present century. In 1901 the figures were:—Undergraduates, 297; non-graduating students, 234; Conservatorium of Music, 288. The undergraduates included:—Arts, 64; science, 58; law, 37; medicine, 32; while 20 took the course for a Muc. Bio. degree. The figures for the year just over were:—Undergraduates, 781; non-graduating students, 564; post-

graduate courses, 48; Conservatorium of Music, 602. The arts course now easily predominates in respect to numbers, while there has been a marked advance in the number studying for medicine. Law also has a large number of adherents. For the diploma of commerce the figures have increased to an amazing extent. It was established in the year 1902, and for some time thereafter there was not much advantage taken of the opportunities offered by the University for education in that important branch of study. In 1912 the number taking the junior course was 24, and for the senior course 9. That was the end of the apathetic period, for, since then, the numbers have gone ahead by leaps and bounds, until in 1922 there were 457 students for the junior course and 68 for the senior. A clear indication of the part played in the education of the young by the University is shown by the returns for the Junior and Senior examinations. In the first year of the present century the numbers were:—Junior, 422; Senior, 277; Higher Public, 44. Last year the figures were:—Junior, 1,182; Senior, 956; Higher Public, 209. In the old days there was plenty of room in one of the lecture halls at the University for the examination of students from the big schools; but nowadays the Exhibition Building has to be secured for the purpose, and the sight on the days when the students attend to undergo the tests is a most busy and inspiring one, speaking highly, as it does, for the great advance in the higher realms of education.

—The Incurison of Women.—
One of the chief factors in the increased studentship of the University has been the incurison of girls and women into the educational arena. When the institution was young, none but males attended, but ere long capped and gowned girls were to be seen in the classrooms devoted to lectures for the B.A. and B.Sc. degrees. Later there became a sprinkling of girl undergraduates in the medicine and law courses, while, naturally, there was, from the establishment of the Elder Conservatorium of Music, a big preponderance of women students there. The first girl graduate of the Adelaide University was Miss Edith Emily Dornwell, who took her B.Sc. degree in 1885. The first lady B.A. was Miss Charlotte E. A. Wright, who became a graduate in Arts in 1888. Of the two professions which up to then had, in this State, been sacred to men, the first to receive a woman member was medicine, for in 1891 Miss Laura Fowler, who subsequently became the wife of Dr. Hope, passed her final examination, and became qualified to practice as a doctor. Since then there have been many others. Law did not tempt the fair sex for many years later, and Miss M. C. Kitson, who graduated in law in 1916, and who is still practising in Adelaide, was the first lady lawyer. Since then several other ladies have been admitted as practitioners of the Supreme Court.

—Enlarging the Buildings.—
During the past year the University authorities have had at their disposal several new and large buildings, but even yet the accommodation is nothing like so large as is necessary for proper and systematic science research and learning. Principal of the new erections was the handsome building at the northern extremity of the University grounds, which was able to be built owing to the generosity of the members of the family of the late Mr. John Darling, who gave £15,000 for a new medical building. The work was completed early last year, and the commodious quarters were occupied during the year by students in medicine and science, physiology, bio-chemistry, bacteriology, and zoology. There has also been made available an additional theatre in the anatomical building, a new chemical laboratory and a teaching room in the Conservatorium. A small addition is now being made to the geological department. The question of the site for the new students' union building has not yet been decided. This will serve as a war memorial, and already a large number of handsome donations have been made to the building fund. It is proposed to have an ornate and thoroughly equipped building, and there is every hope that a start on it will be made this year. Much has been done at the University since the days of the first building on North terrace, but very much still remains to be done, and great progress will undoubtedly be achieved during the next few years owing to the generous bequests which have recently been received by the institution.

Miss Hilda Reimann, second daughter of Mr. Reimann, of the Elder Conservatorium, Adelaide, has become a student of Otto Nikitits, the famous Berlin violin teacher, who has expressed himself in the highest terms as to the musical ability this clever Australian violinist possesses. Miss Reimann intends to remain with her master for the next two years, and will then return to South Australia.