Able Professor

Prof. John Burton Cleland, who has held the chair of pathology at Adelaide University since 1926, has been virtually president of the Royal Society in three States. As an undergraduate at Sydney he joined the society as an associate member in 1893.

His love of natural history as a boy attracted him to the society, of which his father was at one time president. He was appointed to the council in 1897, after his return to Adelaide. During his stay in Western Australia Prof. Cleland became a member of local societies and the Natural History Society, which was the forerunner of the Royal Society in that State. On transfer to New South Wales in 1909 he got in touch with the society, and eventually became its president. He was also a member of the Linnaean Society of New South Wales.

This association with societies covering a wide field of natural science offered an avenue for the publication of papers on some natural history aspects discussed, as well as for papers on botanical subjects, especially the higher fungi. Many papers on these fungi appeared, and

PROF. J. B. CLELAND

by the courtesy of a generous Adelaide citizen several beautiful colored plates were reproduced.

Prof. Cleland is the son of the late Dr. William Lennox Cleland, who was Colonial surgeon in South Australia, and he proceeded from Prince Alfred College to Adelaide University before being attracted to Sydney Medical School. He has filled appointments as Government Pathologist and Bacteriologist in Western Australia, Government mycologist to the Public Health Department of Sydney, and has done excellent work at the Adelaide University.

At present he is doing his best for students who sit under him, and whose annual examinations are not far off.

Prof. Cleland does not look his age. Years. The wonder is that he has achieved so much in his day.

REC 21·10·27

GEOPHYSICAL PROSPECTING.

GERMAN EXPERTS EXPOSE.

A lecture of unusual interest was that on "Subterranean survey by geophysical methods," given by the eminent German scientist, Dr. R. Krulmann, of the Berlin Technical University. The lecture, which was under the combined auspices of the Royal Society and the University of Adelaide, was delivered in the lecture theatre of the physics lecture theatre at the University on Thursday evening.

To be introduced by the Vice-Chancellor (Professor Sir William Mitchell), thanked the representatives of the Royal Society and the University and the Government Geologist (Dr. L. Keith Ward) for their invitation to lecture, He appreciated their hospitality to him as a foreigner. The subject of geophysics, he remarked, was of special present interest in view of the Commonwealth Government's intention to establish, with the aid of the various States, a commonwealth advisory geophysical research organization. In that Australia was following in the footsteps of other countries, including each of other leading countries, and it would seem that the decision was one of prudent foresight in the development of modern mining science in Australia. The science was by no means old, and so far no predicted complete geological survey of any area which had already been done in that direction by the surveyor, the engineer, and partly by private enterprise.

The future, he said, demanded increased activity for the enlargement of our country assets, and in which, to a great extent, the mining industry and borrowing capacity of the country depended. It was in that regard that the expert application of the proper methods of research and the most suitable apparatus must have its place, and the state could not afford to neglect the question of the mineral oil problem. The reason for the lack of success in Queensland was due to boring and to unsuitable methods of research, and the geological peculiarity and nature of the deposits of petroleum in that State. Until recently the discovery of mineral deposits of economic value had been largely dependent upon observations by the prospector and of the geologist and the prospector aided by shaft sinking, trenching, and drilling. Geophysical investigation did not claim to supersede either of these pioneer efforts or the mine development work of the engineer; neither could those methods take the place of deep boring or sinking for the discovery of mineral ore or oil deposits, but they certainly could, and were only intended to, point to the best localities for such investigations, as the case might require. An essential part of the work was a preliminary study of the geological features of a country under exploration, and the closest co-operation between the experts of these various departments was necessary, both in the working and locating new deposits and ascertaining the limits of known ore bodies. The methods considered included the different physical properties of the subsoil with the aid of highly sensitive instruments, and which the recent development of the method data could now be obtained at considerable depth of the earth's crust and at a distance from the opened-up mines. The lecturer then dealt in detail with the principal geophysical methods, illustrating his remarks exhibited by a number of diagrams and views of practical field explorations. He added that a number of other physical methods were in preparation, but were not sufficiently developed and tested to claim consideration at present. He pointed out that what diagnostic X-ray research had done for medical science, to an even greater extent the geophysical research had done for geology and practical mining.

NEWS 21·10·27

University Examinations

"Mathematics," Ashford:—In the 1927 manual of the Public Examinations Board, issued by the University of Adelaide, a certain statement shows that candidates who sit for the examinations are not the only careless persons.

Commenting on a certain question in the "Leaving Mathematics I." paper of 1926" the examiner says:—"Strange to say, this question was answered perhaps worse than any other question. It was a straightforward quadratic equation which demanded the use of logarithms in its solution."

Then he proceeds to show how that question should be arranged and the method to be followed. Briefly it is through the question the examiner becomes careless. After he has found one logarithm he looks up the logarithm of the figures instead of the antilogarithms, thus offering a clue to error.

Surely this is not a good example to set before youthful mathematicians who endeavor to do their examinations according to the desires of the examiner.

[Mr. F. W. Eardley (Registrar of the University of Adelaide) said that the statement in the letter from "Mathematician" is correct. The first solution was $x = 883$.]

NEWS 21·10·27

Dr. Ruby Davy, of Prospect, has been notified that an honorary fellowship has been conferred upon her by the Victoria College of Music, London, she being the first outside the United Kingdom to be awarded this mark of distinction in music.

MAIL 22·10·27

COMING EVENTS

Concerts for next week will include a student evening at the Conservatorium on Monday evening with an interesting programme, and on Wednesday evening an educational evening. The piano pupils of Mr. William Silver, This will be held in the Elder Hall, and will be free to the public. Schubert's "Unfinished Song" will be one of the numbers to be performed by Miss Charlotte Grivell's return concert will be given in Town Hall on Thursday evening, when those interested will have no doubt gladly avail themselves of an opportunity of hearing this promising back a favorite singer. Miss Grivell is a pupil from a course of advanced study in London, and will sing the Gounod "Ave Maria" solo for her work. She is to be assisted by Miss Ariel Shearer (piano) and Mr. Carlisle Steer (violin).

REC 22·10·27

WORKERS' EDUCATIONAL ASSOCIATION.

On account of the tutorial classes in connection with the Workers' Educational Association having finished early this year, arrangements have been made for six free public lectures to be delivered in the Prince of Wales Lecture Room, at the Adelaide University, next Wednesday evening. Principal E. S. Kirk, M.A., B.D., will begin a course of three lectures on "Comparative religion." On November 16, Mr. A. Grenfell Price, B.A., will inaugurate a course of three lectures on "Australian survey of world affairs." Addresses will be given on each Wednesday until the six have been completed.

MAIL 22·10·27

Mr. Justice Napier

Mr. Justice Napier will be forty-five on Monday. His Honor, who was born at Dunbar, Scotland, is a son of the late Dr. Alexander Napier, and was educated at the City of London School and the University of Adelaide, where he

JUSTICE NAPIER

graduated in law in 1902. Soon afterward he was called to the South Australian Bar and took silk in 1922. For some time he had as a partner his colleague, Mr. Justice Angas Parsons, who preceded him to the Supreme Court Bench. His Honor himself was raised to the Bench in February, 1924.

MAIL 22·10·27

The first woman lawyer was admitted to the South Australian Bar ten years ago last Thursday. Women justices of the peace had been appointed two years before that.

REC. 22·10·27

The following Australians have received B.A. degrees at Oxford:—Dr. Miles Formby (Adelaide), Dr. J. C. Eccles (Melbourne), and Dr. W. Johnson (Western Australia).

REC. 22·10·27

AUSTRALIAN MUSIC EXAMINATIONS BOARD.

The Universities of Melbourne, Adelaide, Tasmania, Queensland, and Western Australia, the State Conservatorium of New South Wales, and the Elder Conservatorium, in practice of music.

SEPTEMBER PASS LIST.

For South Australia and Broken Hill.

(The name of the School or Teacher precedes that of the candidate. The largest figure indicates LICENTIATE (TEACHER).

CREDIT.—ELDER CONSERVATORIUM, piano, Byrne, M. 77.

PASS.—ELDER CONSERVATORIUM, piano, Barry, M. M.

LICENTIATE (EXECUTANT).

CREDIT.—ELDER CONSERVATORIUM, violin, Gmeiner, C. H. B.; piano, Hyde, M. G.

GRADE I.

CREDIT.—CONVENT OF MERCY, BROKEN HILL, piano, Atkinson, D. M., LORETO CONVENT, MARRYATVILLE, piano, Hosking, H. B.; DOMINICAN CONVENT, CAIRA, piano, Gatt, Dana, Pick, D. ST. JOHN'S CONVENT, PORT PIRIE, piano, Milburn, L. ST. JOSEPH'S CONVENT, PORT ADELAIDE, piano, Lewis, F. B. H. ELDER CONSERVATORIUM, piano, Bertalli, L. E.; de Vos, J. MISS E. L. MEGMANS, piano, Markham, R.

GRADE II.

HONOURS.—MISS C. PALMER, L.T.C.L., piano, Stanley, N. M.

CREDIT.—DOMINICAN CONVENT, CAIRA, piano, Horgan, K.; singing, Russell, J. L. CRESCENT COLLEGE, NORTH ADELAIDE (Miss C. J. Bonnin), piano, Morton, R. MISS C. PALMER, L.T.C.L., piano, Stanwix, G. E. M. ELDER CONSERVATORIUM, piano, Bensley, B. J., Paddy, B. F.

PASS.—CONVENT OF MERCY, ANGAS STREET, piano, Rice, D. V.; Riley, M. M. DOMINICAN CONVENT, CAIRA, piano, Funder, K.; Mayo, M. ST. JOSEPH'S CONVENT, PETERBOROUGH, piano, O'Loughlin, K. ST. SCHOLASTICA'S COLLEGE, MOUNT BARKER, piano, McDonald, N. ELDER CONSERVATORIUM, piano, Kimber, M. R.; Sullivan, N. MR. C. BARTON, piano, Schumacher, M. MISS META BURING, singing, Hartley, M. D. MRS. G. H. HYDE, L.A.B., piano, Nevin, R. J. MISS A. MEEGAN, A.M.U.A., piano, Thompson, W. C. MISS C. PEARL PALMER, L.T.C.L., piano, Story, G. F. E. MISS I. DAVIES, A.M.U.A., piano, Blackwell, M. T. MR. H. G. TREVERROW, L.T.C.L., violoncello, Lee, L. L. MRS. W. P. WAYE, A.Mus.T.C.L., piano, Hall, M. E. MISS E. MARY PALMER, violin, Billen, B. MISS K. V. WILLSMORE, piano, Thompson, H. E. PRIVATE TUITION, singing, Carter, J. M.

GRADE III.

HONOURS.—ST. JOSEPH'S CONVENT, CALTOWIE, piano, Adams, J. ST. JOSEPH'S CONVENT, PORT ADELAIDE, piano, Mitchell, U. MISS S. B. KENTISH, L.Mus.A., piano, Gregory, E.

CREDIT.—CONVENT OF MERCY, ANGAS STREET, piano, Brown, N. M.; Glastonbury, C. M. DOMINICAN CONVENT, CAIRA, piano, Coward, M. D. GOOD SAMARITAN CONVENT, CRYSTAL BROOK, piano, Fenton, M. A. LORETO CONVENT, piano, Bertram, B. C. ST. JOSEPH'S CONVENT, PORT PIRIE, piano, singing, Fitzgerald, E.; piano, Walsh, Z. M. JOSEPH'S CONVENT, BROMPTON, piano, Male, P. R. MISS A. WILLIAMS, S.R.N., piano, CONVENT, SPALDING, piano, Hogan, M. M. Horgan, P. M. GOOD SAMARITAN CONVENT, MOUNT BARKER, piano, Lessard, J. Y. MISS R. M. BLAKE, piano, Harrison, D. M. MISS J. BOWERING, piano, Wicks, M. M. MISS Meegan, A.M.U.A., violin, Harrison, G. E., Hogan, J. O. MISS M. SPICER, piano, Lane, Lavy, D. E. MISS A. PRICE, violin, Lane, D. E. MISS D. M. SPICER, piano, Lane, J. MISS A. G. WEBB, piano, Paterson, E. F. PRIVATE TUITION, piano, Pryor, C. M.

PASS.—CONVENT OF MERCY, ANGAS STREET, piano, Child, C. I.; Hannan, R. M., Reddick, E.; Rudduck, M.; Underdown, F. E.; Walsh, F. M.; West, C. T. DOMINICAN CONVENT, CAIRA, piano, Barrett, B. M. Callaghan, D. M.; Emiley, D. C.; Sheehan, Fuller, E. M. DOMINICAN CONVENT, KAPUNDA, piano, Trotter, G. A. GOOD SAMARITAN CONVENT, CRYSTAL BROOK, piano, Hall, E. ST. JOHN'S CONVENT, PORT PIRIE, piano, Brue, B. L.; Perkins, C. R. ST. JOSEPH'S CONVENT, GLADSTONE, piano, Millard, A. ST. JOSEPH'S CONVENT, PORT TOWN, piano, Mates, F. E.; Morris, M. L. ST. JOSEPH'S CONVENT, MACCLESFIELD, piano, Tonkin, J. M. ST. JOSEPH'S CONVENT, MINTARO, piano, Pufield, E. ST. JOSEPH'S CONVENT, NORWOOD, piano, Fitzgerald, M. M. ST. JOSEPH'S CONVENT, PORT ADELAIDE, piano, Parvin, A. A. MRS. B. ARDILLA, piano, Heaver, C. L.; Young, W. H. K. MISS A. M. SPICER, piano, Lane, Price, R. L. MISS H. GARNAUT, piano, Schrieb, E. MISS M. MEEGAN, piano, Riley, F. F. MISS F. MERRITT, piano, Merritt, MR. J. R. MITCHELL, violin, Haskard, G. M. MISS E. MITCHELL, L.T.C.L., piano, Stanley, J. T. MISS C. F. PALMER, L.T.C.L., piano, Seeds, G. M. MISS R. L. SEDGMAN, piano, Pfeiffer, S. D. MISS D. STONEMAN, violin, Thurgood, A. G. MISS R. WALTER, piano, Cheney, M. A. MISS A. G. WEBB, piano, McDougall, R. H.; Ohlmeyer, A. M. PRIVATE TUITION.

HONOURS.—LORETO CONVENT, MARRYATVILLE, piano, Hanson, M. ST. JOSEPH'S CONVENT, ELLANGOWAN, piano, Schumacher, M. A. MRS. W. J. AYLIFFE, piano, Salt, V. F. MISS E. MAUDE, piano, Brooks, D. M. MISS M. MARTIN, piano, Atkinson, R. I.

CREDIT.—CONVENT OF MERCY, ANGAS STREET, piano, Clarke, J.; Hill, M. V.; Pring, E.; Schreiber, M. M. CONVENT OF MERCY, HENLEY BEACH, piano, Warhurst, M. DOMINICAN CONVENT, CAIRA, piano, Gilbert, M. M. LORETO CONVENT, MARRYATVILLE, piano, Bertram, B. C.; Taylor, R.; Doyle, C. J.; Leahy, M. E.; McAree, G. V.; Young, G. D. R. ST. JOHN'S CONVENT, PORT PIRIE, singing, Hutchens, M. ST. JOSEPH'S CONVENT, JAMESTOWN, piano, Hampton, L. J. ST. JOSEPH'S CONVENT, KOORINGA, piano, Pearce, M. D. ST. JOSEPH'S CONVENT, RENMARK, piano, Lenk, F. M.; Smith, M. ST. JOSEPH'S CONVENT, COLLEGE, MOUNT BARKER, piano, Mooney, L. M.; Rice, M. ST. JOSEPH'S CONVENTED SCHOOL, TANUNDA, piano, Zander, R. O. MISS C. HARRIS, piano, Hall, Thurgood, A. G. MISS M. LEE, A.M.U.A., L.Mus.A., piano, McConaghy, J.; Oliver, M. J. MISS K. MEEGAN, A.M.U.A., piano, Lester, H. M. MISS F. PALMER, L.T.C.L., piano, Easton, J. W.; Smith, A. D. MISS E. M. SPICER, piano, Lane, G. D.; Wild, C. W.; Wild, E. M. MISS E. TUCKWELL, L.T.C.L., piano, Jarrett, E. MISS G. A. WEBB, piano, Dinning, E.; Forrester, M. J.; Rugless, L. J.

PASS.—CONVENT OF MERCY, ANGAS STREET, piano, Doherty, M.; Hadley, N. M.; Kenihan, H. M.; Kenihan, M. E.; Lawrence, G.; O'Connor, N. J.; Rice, W. I. CONVENT OF MERCY, BROKEN HILL, piano, Phillips, Pearl. DOMINICAN CONVENT, CAIRA, piano, Gibson, J. DOMINICAN CONVENT, PENOLA, piano, Hall, M. M. LORETO CONVENT, MARRYATVILLE, piano, Hogan, J. E.; Mahar, M. P. DOMINICAN CONVENT, WALKERVILLE, piano, Weeks, E. ST. JOSEPH'S CONVENT, SEMAPHORE, piano, England, L. D.; Sweeney, A. M.; Visentin, M. ST. JOSEPH'S CONVENT, PORT PIRIE, piano, Brady, L. M.; Georgouse, E. GOOD SAMARITAN CONVENT, CRYSTAL BROOK, piano, Noonan, H. LORETO CONVENT, MARRYATVILLE, piano, Hogan, J. E. ST. JOSEPH'S CONVENT, GLADSTONE, piano, Robinson, M. M. ST. JOSEPH'S CONVENT, KADINA, piano, Hannon, M. ST. JOSEPH'S CONVENT, PETERBOROUGH, piano, Cesaretto, R. P.; Tobin, S. R. ST. JOSEPH'S CONVENT, BROMPTON, piano, Hall, M. ST. JOSEPH'S CONVENT, PORT ADELAIDE, piano, Jefferson, L. M.; Saxton, M. ST. JOSEPH'S CONVENT, RENMARK, piano, Mc-Manus, M. D. ST. JOSEPH'S CONVENT, PORT PIRIE, piano, Hooper, C. G. ST. JOSEPH'S CONVENT, MACCLESFIELD, piano, Stephenson, P. M. ST. JOSEPH'S CONVENT, NORWOOD, piano, Fitzgerald, E. E. ST. JOSEPH'S CONVENT, NORWOOD, piano, Fitzgerald, M. ST. JOSEPH'S CONVENT, PETERBOROUGH, piano, Jones, E. ST. JOSEPH'S CONVENT, PORT ADELAIDE, piano, Mitchell, U. ST. JOSEPH'S CONVENT, PORT AUGUSTA, piano, Morgan, J. S.; Snowden, F. ST. JOSEPH'S CONVENT, PORT LINCOLN, piano, Litchfield, A. ST. JOSEPH'S CONVENT, QUORN, piano, Gluyas, G. A. D.; D. ST. SCHOLASTICAS' COLLEGE, MOUNT BARKER, piano, Hewett, M. J. THE CONSERVATIVE GIRLS' COLLEGE, GLEN OSMOND, piano, Sales, J. L. M. ST. PETER'S COLLEGIATE GIRLS' SCHOOL, NORTH ADELAIDE, piano, Lucy, K.; Robinson, M. P. UNLEY SCHOOL OF MUSIC, piano, Wilson, M. MISS M. BARTON, piano, Scrutton, B. C. MISS E. BELL, piano, Miller, R. A. C. MISS CARTER, piano, Hamilton, M. E.; White, A. E. MISS A. CHAPMAN, piano, Ridley, D. MISS E. M. CHAPMAN, piano, Ridley, D. MISS A. K. CONNELL, piano, Fairey, M. A.; Johnson, M. MISS E. JEFFERIS, piano, Fisher, A. MISS A. MUA, violin, Daniel, E. C. MISS E. HOLMAN, A.M.U.A., piano, Stacey, M. MISS M. HOLMES, piano, Hamilton, M. E. MISS M. MARTIN, piano, Pierson, M. A. S. MISS M. MEEGAN, A.M.U.A., piano, Hammond, M. MISS K. MEEGAN, A.M.U.A., piano, Hammond, M. MISS M. MEEGAN, A.M.U.A., violin, Ivan, M. G. MISS M. MITCHELL, piano, Mitchell, E. MISS M. CHELL, piano, Hendriksz, F. J. MISS V. MISS K. MITCHELL, A.T.C.L., piano, Mitchell, E. MISS M. MUA, violin, Daniel, E. C. MISS M. MEEGAN, A.M.U.A., piano, Hammond, M. MISS M. MEEGAN, A.M.U.A., violin, Ivan, M. G. MISS M. MITCHELL, piano, Mitchell, E. MISS M. CHELL, piano, Hendriksz, F. J. MISS V. MISS K. MITCHELL, A.T.C.L., piano, Mitchell, E. MISS M. MUA, violin, Daniel, E. C.