

PROCEEDINGS OF THE FEBRUARY, 1969, GENERAL MEETING

The February General Meeting of the Institute was held in Kelvin House, Johannesburg, on 19th February, 1969 at 4.30 p.m.

Mr R. C. J. Goode (President) was in the Chair.

There were also present forty-six Members, including Messrs H. E. Cross, A. R. C. Fowler, P. Lambooy, D. G. Maxwell, Dr J. T. McIntyre, Messrs J. A. Nixon, V. C. Robinson and P. W. J. van Rensburg (Council Members), Messrs G. Abdinor, H. F. Allan, R. E. Barnes, M. M. Bayley, J. K. Boyd, R. R. M. Cousins, R. E. F. Cowley, D. Savile Davis, H. J. Davisson, C. T. Fenton, J. Fergusson, J. Fritz, M. L. Fitzgerald, J. M. Gosnell, J. C. Hall, S. A. Hancox, D. M. Jamieson, Dr D. G. Krige, Messrs J. E. V. Leeuwen, A. Louw, C. F. Louw, B. H. L. Leach, R. B. MacGillivray, C. S. McPhail, E. Margo, G. G. Nicolson, E. Pavitt, M. P. Pearse, F. O. Read, Dr M. D. G. Salamon, Dr H. S. Sichel, Messrs D. Storrar, S. G. Taussig, A. H. Taute, E. B. Viljoen and P. A. von Wielligh.

Sixteen Associate Members, including Messrs S. T. Baron, W. M. Fitzpatrick, M. R. Fuller-Good, P. R. Garcia, H. G. Gericke, P. D. Hatfield, R. Hemp, G. S. Lee, Miss V. E. Marting, Messrs A. H. Munro, R. C. Power, O. F. Rheeder, G. C. Thompson and N. Zolezzi.

Two Graduates, Messrs D. Bosley and J. C. Sutherland.

Three Affiliates, Messrs R. K. Briggs, A. B. Cook and G. M. Thain.

One Student, Mr P. W. Henrard.

Twenty-three Visitors, including Messrs N. J. W. Bell, R. G. Bushell, A. Bryan, J. F. Cillie, C. M. de Beer, Dr F. H. Deist, Messrs D. S. Drake, P. G. du Plessis, R. W. Hodgson, D. M. Hawkins, S. C. H. Kearns, M. D. Labuschagne, L. Munro, R. Murchison and L. Robinson.

Secretary, Mr D. C. Visser.

Total present: Ninety-two.

OBITUARIES

The President: "It is my sad duty to announce the death of the following members of the Institute.

Edward Frank Jud Bulman, Life Member, who joined the Institute in 1931 and passed away on 7th November, 1968.

Elmar Fenton Chapin, Member, who joined the Institute in 1941 and passed away on 17th November, 1968.

Solly Rabinowitz Rabson, Member, who joined the Institute in 1944 and passed away on 13th February, 1969. Mr. Rabson was the holder of two certificates of merit for papers presented to the Institute.

Stuart William Page, Student, who joined the Institute in 1966 and passed away on 24th December, 1968."

As a mark of respect to the memory of the deceased, and in sympathy with the bereaved, those present stood and observed silence for a few moments.

MINUTES

The President: "May we confirm the minutes of the meeting held on 15th January, 1969, as published in the February, 1969, issue of the *Journal*?"
Agreed.

MEMBERSHIP

The President: "I have much pleasure in announcing that the names of the under-mentioned candidates have been published in accordance with By-Law 5.2.2, and Council has elected them to membership of the Institute in the following grades:

Member: Gerhardus Paulus Badenhorst.

Associate Members: David Hector Kennedy, Veikko Kalevi Jumppanen.

Affiliates: David Samuel Robinson, Peter William Mays Swart, Leslie Dennis Hulley, Andries Nicolaas Venter.

Students: Peter Rodney Haslam, Kenneth Gordon McLaggan, Ferdinand Richard Bekink.

MEMBERS TRANSFERRED TO A HIGHER GRADE

From Associate Member to Member: Bryan Fleetwood Berry.

From Graduate to Associate Member: Robert Andrew Featherstone, George Beaumont Horsley, John Douglas Austin.

From Student to Graduate: Andrew Francis Sarosi, Ronald John Adcock.

I welcome the newly elected members to the Institute and congratulate those members who have been transferred to a higher grade." (*Applause.*)

GENERAL BUSINESS

The President: "May I remind members that the next General Meeting will be a very special one in that it will mark, to the day, the 75th Anniversary of the foundation of this Institute. The meeting will take place in this hall at 10.15 a.m. on Monday, 24th March, 1969. Dr van Eck and Dr Muller are going to address us and I shall present a brief history of the Institute. This will be followed by a buffet lunch at a nominal cost to members and visitors and in the afternoon a number of visits to places of interest have been arranged. Although the closing date for applications for these visits has passed the Secretary would welcome further applications.

The banquet to be held on 21st March has been advertised and is being well patronised. I shall be broadcasting at 7.30 p.m. on Sunday, 16th March on the 'Top Level' programme and I trust that you will enjoy the programme of celebrations that has been arranged for you.

Are there any other matters to raise under the heading of general? If not, we will proceed to the next item on the agenda which is the presentation of today's paper."

PAPERS FOR PRESENTATION

The President: "I have great pleasure in calling on Messrs R. B. MacGillivray and D. M. Hawkins to present their paper written jointly with Mr M. Berjak entitled, 'The computer mapping and assessment of borehole and sampling data for stable minerals, particularly as applied in coal mining'."

After the presentation of the paper the President said: "Thank you, Mr MacGillivray and Mr Hawkins, for your very clear exposition of a very—to me, anyhow—complex subject. We have in recent years, had several papers on the application of statistical theories and mathematical disciplines to ore valuation. This is another paper in the same vein, and on each occasion we progress a stage further in this most important sphere. Provided we can correctly balance the importance of the various factors available to us and convert them to a mathematical concept, then the computer—provided there are no transcription errors—will produce an answer with great speed and accuracy and, in fact, as we have seen tonight, will produce a plan.

We are indeed grateful to Messrs MacGillivray, Hawkins and Berjak for bringing us up to date with the latest thoughts on this subject, and I will call on the more experienced and sophisticated people to discuss your subject".

Miss V. E. Marting, Mr E. Margo, Dr H. S. Sichel, Dr D. G. Krige and Mr A. H. Munro then contributed to the paper. (These contributions will appear in a later issue of the *Journal*.)

The President: "You may be amused to hear the contents of a notice which hangs in the computer room of an industrial film company.

ACHTUNG
ALLES LOOKENPEEPERS

Das computermachine ist nicht fur
gefingerrpoken und mittengrabben. Ist
easy schnappen der springenwerk,
blowenfusen und poppencorken mit
spitzensparken. Ist nicht fur gewerken
bei das dummkopfen. Das rubbernecken
sightseeren keepen hands in das pockets—
relaxen und watch das blinkenlights.

I now wish to call on Mr R. R. M. Cousens to give us a talk on the flooding of the West Driefontein Mine."

After the presentation of the talk, the President said: "Ladies and gentlemen, it gives me great pleasure on your behalf to thank the authors of the papers, the various contributors, and in particular Mr Cousens, who after this very strenuous time has given us the opportunity of hearing the story from an engineer's point of view, and I would like you all to show your appreciation in the usual manner. I declare the meeting closed."

The meeting closed at 6.15 p.m.