

PROCEEDINGS OF THE JUNE, 1969, GENERAL MEETING

The June General Meeting of the Institute was held in Kelvin House, Johannesburg, on 18th June, 1969, at 4.30 p.m.

Mr J. K. E. Douglas (Vice-President) was in the Chair.

There were also present fourteen Members, Messrs R. J. Adamson, F. P. Bath, D. M. Jamieson, D. G. Maxwell, Dr J. T. McIntyre, and Mr P. W. J. van Rensburg (Council Members), Messrs B. F. Berry, A. F. Lee, J. E. van Leeuwen, G. G. Nicolson, N. F. Peverett, Dr A. G. Raper, Messrs E. R. Rudolph and H. R. Reid.

Five Associate Members, Messrs T. D. Brown, M. R. Fuller-Good, J. S. Freer, Dr P. R. Jochens and Mr D. A. Viljoen.

One Graduate, Mr P. G. Mrkusic.

Five Students, Messrs N. A. Barcza, J. A. Cruise, R. P. W. Henrard, D. I. Ossin and J. C. M. Wethmar.

Nine Visitors, Messrs M. Badenhorst, N. J. Bovey, H. H. Herold, Dr H. J. S. Kriek, Messrs M. S. Rennie, B. B. Segal, S. Selmer-Olsen, O. A. W. Strydom and B. Yates.

Secretary, Mr D. C. Visser.

Total present: Thirty-six.

MINUTES

The Vice-President: "May we confirm the minutes of the Monthly General Meetings held on 24th March, 16th April and 21st May, 1969 as published in the *Journal*?"

Agreed.

MEMBERSHIP

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

Members: Wilfred Desmond Morgan, Abraham Kriek.

Associate Members: Rodger Neville Hampson, Robert Richard Booth Lodge.

Graduates: Beverley Hugh Walters, Gwynne Hugh Johnston.

Students: Colin Edward Alvery, Peter Marthinus Haikes, Charles Aubrey Husband, John Nowell Randell, Frederick Johannes Jacobus Blaauw, Johannes Andries Breytenbach, Peter Vos, Frederik Hendrik Coetzee, Petrus Nicolaas Jacobus Smit, Patrick Allen Boardman, Robert Nelson Guest.

"May I welcome the newly elected members to the Institute." (*Applause.*)

ELECTION OF SCRUTINEERS FOR THE 1969-70 BALLOT FOR COUNCIL

The Vice-President: "In terms of By-Law 9.4, I now call for nominations for scrutineers for the 1969-70 ballot for Council."

P. W. J. van Rensburg: "I wish to nominate Messrs R. C. J. Goode, V. C. Robinson, J. K. E. Douglas, P. Lambooy, D. G. Maxwell, H. Britten and H. Simon as scrutineers."

Dr J. T. McIntyre: "I second the nominations."

The Vice-President: "Are there any further nominations? Is it agreed that those members nominated be elected scrutineers?" Agreed.

The Vice-President: "I declare the seven nominated members elected to act as scrutineers."

GENERAL BUSINESS

No matters were raised under this heading.

PAPER FOR PRESENTATION

The paper entitled 'Physico-chemical properties of titaniferous slags', by L. B. McRae, E. Pothas, P. R. Jochens and D. D. Howat was presented by Professor D. D. Howat.

The Vice-President: "Gentlemen, once again we have been very privileged to listen to a paper on research, carried out by a team of metallurgists at the University, and led by our old friend, Professor Howat. I think it is very interesting that the Department of Metallurgy is today playing such an important role in providing industry with fundamental knowledge of the processes they employ, and this particular piece of research is an excellent example of this.

Those concerned with production seldom have the time or even the people, to work on the more fundamental aspects of their operations. I can imagine this is particularly true in these early days at Highveld, where I am sure the management have their hands full with problems such as training new staff, and the normal mechanical teething and other troubles of a new process. A better understanding of slag conditions will, I am sure, be of invaluable assistance to them in improving the efficiency of their new plant.

One cannot help but be impressed with the systematic and thorough approach used by the authors in tackling this problem. I would like to congratulate and thank them for a most interesting paper, and a particular vote of thanks is due to Dr Howat for the very able way in which he has presented this paper this afternoon." (*Applause.*)

Dr H. J. S. Kriek, Mr H. J. Bovey and Mr S. Selmer-Olsen then contributed to the paper. (These contributions will appear in a later issue of the *Journal*.)

The Vice-President: "I think we have listened to a very interesting paper and some very good contributions this afternoon. Can we show our appreciation in the usual manner.

Gentlemen, we are very lucky this afternoon to have with us, Dr Raper of Highveld Steel and Vanadium Corporation. He has very kindly come all the way from Witbank to give us a preview of the Highveld plant on slides. As you know, many of us are visiting Highveld on Friday, and I am sure we are all looking forward to this visit."

Slides were then shown by Dr Raper.

The Vice-President: "Gentlemen, a couple of weeks ago I telephoned Dr Raper and asked whether he could show a few slides this afternoon. We felt this would be a fitting addition to Professor Howat's paper. I am absolutely amazed with what Dr Raper has produced for us in a very short time—a most interesting discussion on

the Highveld project, and some very interesting slides. Dr Raper, I assure you, you have whetted our appetites to come and see your plant. We thank you for the trouble you have gone to, in preparing this slide show and talk at such short notice."

PAPERS OPEN FOR DISCUSSION

The Vice-President: "Listed on the agenda are 'Papers open for discussion'. In view of the hour, I would suggest that anyone wishing to contribute should submit these contributions to the Secretary in writing."

CONCLUSION

The Vice-President: "In conclusion, I would like to thank all the members and visitors for their attendance and I now declare the meeting closed."

The meeting closed at 6.20 p.m.

NOTICE

INSTITUTE JOURNAL

Members are advised that the Council has decided to change the format of the *Journal* from the present size to the standard international A4 size with effect from August, 1969. By making this change we will be conforming to more general practice today in regard to publications and this should effect certain economies and facilitate selling of advertising space. It has been arranged that in future the publication of the *Journal*, including advertisement sales, will be handled by Kelvin Publications (Pty.) Ltd. who are already doing this work satisfactorily for the Mechanical and Electrical Institutes. While making these changes, the opportunity is taken of redesigning the outer cover of the *Journal* to incorporate the new coat of arms. The Council trusts that these changes will meet with the approval of members.