

# Proceedings

## APRIL GENERAL MEETING

The April General Meeting of the Institute was held in Kelvin House, Johannesburg, on 15th April, 1970, at 4.30 p.m.

Mr J. K. E. Douglas (President) was in the chair.

There were also present eight Fellows: Dr J. M. Bereza, H. Britten, R. C. J. Goode, C. E. Mavrocordatos, P. W. J. van Rensburg (Council Members), C. A. Border, D. E. French and S. D. Hill.

Four Members, J. A. Boyd, P. Crawshaw, D. P. Hugo and A. H. Munro.

Two Associates, including I. Robinson.

Eleven Visitors, including A. B. Gould, P. M. Haupt, B. Needleman and A. F. Wentzel.

Secretary, D. C. Visser.

Total Present, 27.

### OBITUARIES

**The President:** "It is my sad duty to announce the death of the following:

Leslie Richard Ulyate, Fellow, who joined the Institute in 1939 and passed away on 10th March, 1970.

Stanley Sterling, Fellow, and Corresponding Member for Canada, who joined the Institute in 1926 and passed away on 25th March, 1970.

As a mark of respect to the memory of the deceased and in sympathy with the bereaved I would ask you all to rise and observe a few moments' silence."

### MINUTES

**The President:** "May we confirm the minutes of the General Meeting, held on 21st January, 1970, as published in the March, 1970, issue of the *Journal*?"

Agreed.

### MEMBERSHIP

**The 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:

*Associate:* Rupert George Calcott.

*Students:* Clive Martin Davis, William Machiel Eksteen, Cecil John Tainton.

*From Student to Member:* Dirk Johannes Hugo.

"I welcome the newly-elected members to the Institute and congratulate the member who has been transferred to a higher grade."

### TALK AND FILMS

**The President:** "Mr Ballantyne may I call on you to present your talk and films on the 'Continuous casting of steel'?"

After the presentation of Mr Ballantyne's programme the President said, "Thank you very much indeed for your talk and films, Mr Ballantyne. This is a fast developing subject and we appreciate having such up-to-date information being made available to us, particularly those of us who are unable to go overseas for this purpose. We trust that you won't let the matter rest here, but will put everything down in a paper which we can publish at a later stage for the benefit of our members. Thank you once again."

### CONCLUSION

**The President:** "I wish to thank members and visitors for their attendance, and now declare the meeting closed." The meeting closed at 6.10 p.m.

## Errata

'A note on the stress concentrations at the bottom of a flat-ended borehole', S. L. Crouch, *J. S. Afr. Inst. Min. Metall.*, 70, 5, 100-102, Dec. 1969.

In determination of the radial stress concentration factor,  $F_R$ , an error in the input data to the finite element computer programme was made. The corrected values of  $F_R$  are plotted in the accompanying Figure.

### ACKNOWLEDGEMENT

This work was performed at the Mining Research Laboratory of the Chamber of Mines of South Africa.

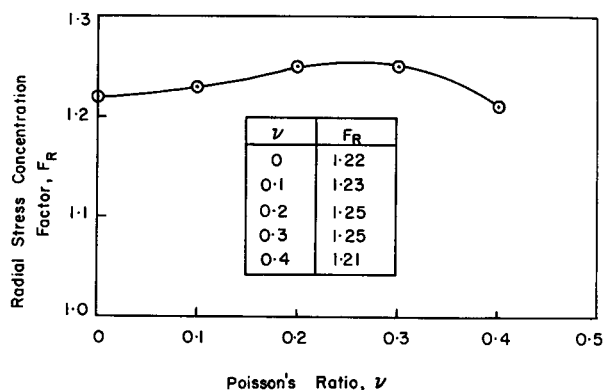


Fig. 5—Corrected