

Recent advances in the design and performance of flotation equipment

A General Meeting and Colloquium on the above topic was held on 12th March, 1975, at Kelvin House, Johannesburg.

The Colloquium was attended by 250 delegates and was opened by the Immediate Past President, Mr P. W. J. van Rensburg, at 09h30.

Obituary

Mr Van Rensburg announced with regret the deaths of James Alfred Boyd, Life Fellow, and Jack Joseph Frankel, Fellow. In memory of the deceased and in sympathy with the bereaved, the delegates rose and observed a few moments' silence.

Minutes

The minutes of the following meetings were confirmed and adopted:

the General Meeting held on 18th September, 1974, as published in the December 1974 issue of the *Journal*,

the Annual General Meeting held on 14th August, 1974, as published in the October 1974 issue of the *Journal*,

the General Meeting held on 13th November, 1974, as published in the January 1975 issue of the *Journal*.

Membership

Mr Van Rensburg announced that the undermentioned candidates, whose names had been published in accordance with By-Law 5.2.2., had been elected to membership of the Institute. He welcomed the newly elected members to the Institute,

and congratulated those who had been transferred to a higher grade.

Fellows J. A. Betteridge, P. J. Hansen, R. W. Henderson, J. M. Sacco, T. J. R. Sales.

Members A. J. Duncan, G. M. Harris, A. M. P. Henderson, H. J. O'Keeffe, G. J. Robbertze, J. L. Taylor, A. P. S. van der Merwe, R. C. West, Z. Zitron.

Graduates J. L. Dinsdale, R. A. H. Lycett, T. R. Twidle, F. B. Welton, J. M. Wells.

Associates T. R. Adendorf, E. F. Evers, F. W. Human, A. W. Jameson, J. M. L. Lewis, D. Norrington, A. L. Payne, C. D. Ross, E. R. Tupholme.

Students L. Bouras, J. K. Hlawatschek, D. J. Rabie, E. R. Simpson.

Transfers to Fellow J. V. Cleasby, P. T. Fewell.

Transfers to Member J. A. Cruise, D. G. Gillard, A. E. Hall, H. P. Saunders, J. H. Simon, R. S. Traviss, D. J. van Niekerk.

Transfers to Graduate P. B. James, H. G. Waldeck.

Transfer to Associate C. C. Smythe.

General

Mr Van Rensburg expressed the Institute's gratitude to all those who were participating in the Colloquium, and especially thanked S.A. Cyanamid for providing the lunchtime refreshments, and Fraser and Chalmers Equipment Co. Ltd for their generous sponsorship of a cocktail party at the conclusion of the Colloquium.

Colloquium

The following papers were presented

Aspects of flotation circuit design, by E. Lindgren and P. G. Broman, Sala Equipment (Pty) Ltd.

The development of large volume flotation machines and the economic advantages of their use in high capacity plants, by P. Edwards, Denver Equipment Div., Joy Manufacturing Company Africa (Pty) Ltd.

Design criteria and recent developments on large capacity Wemco flotation cells, by Dr P. Kind, Wemco Division, Envirotech Corporation.

Agitair developments on flotation machines, by J. P. Dreyer, Edward L. Bateman Limited.

The objectives of the Flotation Group, by N. Dawson, NIM Research Group, Dept of Chemical Engineering, University of Natal.

Studies of a deep froth column, by M. Moys, NIM Research Group.

Effects of operating variables on concentrate grades and recoveries: suggested scale-up criteria, by R. Dunne, NIM Research Group.

Flotation studies on a unit cell in a pilot plant milling circuit, by R. Finlayson, NIM Research Group.

A simple froth model for scale-up, by E. Woodburn, Dept of Chemical Engineering, University of Natal.

Use of large OK-16 flotation machines at the concentrators of Outokumpu Oy, by O. Korkonen and T. Leskinen, Outokumpu Oy, Tapiola, Finland.

Colloquium Chairman Mr E. Roux, Foskor.

Training of technicians

The Institute has received a letter from The Federation of Societies of Professional Engineers pointing out that there is considerable opportunity for the training of Coloured and Bantu technicians

and artisans, and that the existing facilities will be extended as the demand for them increases. The Federation recommends that any members who are employers should negotiate with the relevant colleges

for interested members to attend the courses, and should assist the colleges, where necessary, with their teaching task by seconding staff as part-time lecturers or by supplementing the salaries of lecturers.