

and taking into consideration an additional payment of  $1\frac{1}{2}$  per cent of lease in lieu of transfer duty, it can be seen that no lease will be payable when

$$R = 1.0638 C \dots\dots\dots(26)$$

and that the distributable profit on the upper side of this cut-off line is determined by the relationship

$$D = 0.3344 R - 0.2714 C \dots\dots\dots(27)$$

When considering the position of a specific mine, it is necessary to take account of any special provisions in the lease agreement, for example stipulated minimum payments.

#### ACKNOWLEDGEMENTS

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#### REFERENCES

1. KRIGE, D. G. 'Some implications of the new assistance formula for South African gold mines.' *J. S.Afr. Inst. Min. Metall.*, 68, May, 1968.
2. WROTH, E. In written contribution to D. G. Krige: 'Some implications of the new assistance formula for South African gold mines.' *J.S.Afr. Inst. Min. Metall.*, 69, Feb. 1969, 340-349.

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## NOTICE

### THE LUCIEN DENOEL PRIZE

As a token of their gratitude, former pupils of Professor Lucien Denoel, a lecturer on coal-mining in the University of Liege, over a period of forty years, have founded the LUCIEN DENOEL prize. It is awarded, regardless of nationality and diplomas, to the author of a thesis dealing with coal-mining, ventilation, mine-draining methods, the use of explosives in the mine or coal-preparation. The thesis must show a truly scientific approach and considerable originality, and must not have been dealt with in a previous publication.

The prize is 60.000 Belgian francs.

The articles must be written in French, Dutch, German or English, and contain not more than 10,000 words, figures included. They must be forwarded, in triplicate, to the 'Jury du Prix Lucien DENOEL, c/o A.I.Lg., 22, rue Forgeur, Liege, Belgium,' before 1st July, 1970.

The examining board reserves the right to publish the winning thesis in a Belgian magazine.

## NOTICE

### THE BRITISH COUNCIL

#### AWARDS 1970-1971

The British Council invites applications from permanent residents of the Republic of South Africa and South West Africa, for the following awards:

#### SCHOLARSHIPS

Scholarships are available to such permanent residents who hold University degrees or comparable professional qualifications. The scholarships are tenable for postgraduate study at Universities and other educational establishments in Britain for the academic year of approximately ten months beginning 1st October, 1970. All arrangements will be made by the British Council and the scholarships will include tuition fees, a maintenance allowance, approved travel in Britain, return fares to Britain, a books grant and a clothing grant. The closing date for applications is 31st July, 1969.

#### BURSARIES

Bursaries are available to such permanent residents who hold University degrees or who, being already established in their professions or trades, hold other qualifications. The bursaries are tenable at British educational institutions or other suitable establishments in Britain for a course of training, study or research lasting not less than two months or more than six. The British Council will arrange full programmes and professional contacts, and the bursaries will include a maintenance grant, a books grant, authorised course fees and certain other expenses. The British Council may, at its discretion, bear the cost of single or return fares to Britain. The closing date for applications is 31st July, 1969.

#### TRAVEL GRANTS

Travel grants each of £300 are available in respect of journeys to Britain undertaken between 1st April 1970 and 31st March, 1971 and are provided to facilitate visits to British Universities by persons holding staff appointments or graduate research posts at South African Universities. Visits must normally be of at least six months duration though grants are occasionally made for visits lasting for one complete term. Grant holders will make their own arrangements with the universities which they wish to visit and will be responsible for finding their own accommodation. The British Council's assistance is limited to the contribution towards cost of fares. The closing date for applications is 31st October, 1969.

For further particulars and the relevant application forms please write stating the type of award for which you wish to apply to:

THE CULTURAL ATTACHÉ, BRITISH EMBASSY, PRETORIA.

## NOTICES

### SPECTROGRAPHIC STANDARDS

The Spectroscopy Society of Canada can supply certain spectrographic standards. Further information may be obtained from the Secretary, S.A.I.M.M., Kelvin House, 2 Hollard Street, Johannesburg, or from Dr A. H. Gillieson, Chairman, S.S.C. Standards Committee, c/o Mines Branch, The Spectroscopy Society of Canada, 555 Booth Street, Ottawa 4, Canada.

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### SYMPOSIUM ON RAPID EXCAVATION

16th to 17th October, 1969

Sponsored by and to be held at School of Engineering, Sacramento State College, Sacramento, California, U.S.A. 95819.

“Progress Towards Goals” is the theme of this Second Symposium on Rapid Excavation. Following up the earlier symposium and the study conducted last year by the National Academy of Engineering/National Research Council Committee on Rapid Excavation, technical sessions will be devoted to case studies of current underground excavation projects, both construction and mining, as well as to new developments and future research.

For information, write to Dr. H. J. McCormick, Dean of Educational Services, or Dr. Howard L. Hartman, Dean of Engineering, at Sacramento State College.

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The Nineteenth Geomechanic-Colloquium will take place on 16th and 17th October, 1969 in the Congress Hall of Salzburg. It will deal with:

“Modern tunnelling especially considering the heading by machines.”

## NOTICE

Persons who do not hold a B.Sc. (Eng.) degree or equivalent qualification recognised by the S.A.C.P.E. but who are at present engaged in work of a professional engineering character and have been so engaged for at least three years (viz. Registration Act Sect. 18.4.b) are reminded to apply for registration as Professional Engineers by not later than 14th September, 1969.

After this date only persons with a B.Sc. (Eng.) degree or other qualifications approved by the S.A.C.P.E. will be eligible for registration and it is therefore in the interest of members to ensure that they apply before this date.

This registration can be of considerable importance to those members who may wish to apply for posts that have been reserved for Professional Engineers and also for persons, without the necessary qualifications, who in later years may wish to practise as private consultants.