



OPERATIONS RESEARCH SOCIETY OF SOUTH AFRICA
OPERASIONELE NAVORSINGSVERENIGING VAN SUID-AFRIKA

NUUSBRIEF
NEWSLETTER

MEI 1975
MAY

1. LIDMAATSKAP/MEMBERSHIP

Ons kondig met genoë die volgende nuwe lede aan:

We are pleased to announce the following new members:

Korporaatlid/Corporate Member

National Institute for Defence Research.

Volle lid/ Full member

D.T. Bromley Johannesburg

Mede lid/ Associate member

R.D. Bernstein W. Kaap/Cape

Studente lid /Student member

L.E. Posniak W. Kaap/Cape

The last mentioned is the first student member to have joined the society in terms of the changes to the constitution accepted last year. To him, our best wishes for a long and fruitful contact with Operations Research.

2. TAKNUUS/CHAPTER NEWS

2.1 Johannesburg

A meeting of the Johannesburg Chapter was held at the Sunnyside Park Hotel on Wednesday 30 April. Sixteen persons were present. The meeting was addressed by Mr J.H.R. Norton of AE&CI. His topic was "A STEADY STATE SIMULATION MODEL OF A LARGE TONNAGE AMMONIA PLANT".

A simulation model of AE&CI's No. 4 Ammonia Plant was described. The model was developed using the GENIE flowsheeting system and the objective was to help in the commissioning and running of the plant. Two problems which have been investigated with the aid of the model were discussed. It was shown that in some instances the model presents the only practical method of solution.

The talk was followed by questions and discussion. This went on for some considerable time and underlined the fact that the talk was a very interesting one.

2.2 Pretoria

Op die jaarvergadering van die tak wat op 2 April gehou is, is die volgende takbestuur verkies:

Voorsitter	:	Mnr M.A. de Vries
Sekretaris	:	Dr J.D. Buys
Penningmeester	:	Mnr V. Shaw
Ander lede	:	Prof. J.W. Grobbelaar
	:	Mnr T.J. Stewart

A further meeting of the Chapter was held on 22 May in the Burgers Park Hotel, addressed by Prof. Grace J. Kelleher of the Defence Communications Engineering Center, Reston, Virginia. Her topic was: "THE INTERDEPENDENCE OF THEORY AND INNOVATION IN O.R.".

In her talk, Prof. Kelleher discussed the mutually beneficial roles played by mathematical theory and heuristic methods, illustrating this point with examples in which problems were heuristically decomposed into series of linear programming problems.

THE CONSOLIDATED DIAMOND MINES OF SOUTH WEST AFRICA LIMITED
REQUIRE

OPERATIONS RESEARCH MANAGER AND OPERATIONS RESEARCH STAFF

We are expanding our well-established and effective O.R. team due to the increasing contribution that O.R. is making in all areas of the company's operations. We require a first class Operations Research Manager to lead the team and in addition we have vacancies for experienced O.R. men.

The mine has a fully integrated management service division, including data processing, work study and O.R. departments. The O.R. department, which has the use of an IBM 370 Model 145 computer with 512K, carries out various projects that currently include mixed integer programming models for medium and long term mine planning, short term scheduling of mining operations, replacement and repair models for earthmoving machinery and statistical theory of evaluation of diamond deposits.

OPERATIONS RESEARCH MANAGER

This man should have a good degree in a numerate science and at least 6 years' good applied O.R. experience. He will have had proven success in managing O.R. projects from concept to completion. This is a key management appointment with attractive prospects for future career development.

OPERATIONS RESEARCH STAFF

Vacancies exist at all levels from recent graduates interested in entering the O.R. field to men with several years' experience.

In addition to competitive salaries the following benefits will apply:

Free furnished modern houses for married staff · Furnished accommodation for single staff at R35 per month including all meals · Free medical treatment at Oranjemund · Annual leave 51-61 days · Leave bonus of one month's pay per year · Leave travelling bonus of R62 per adult and R31 per child · Pension and medical funds · Free motor car and fuel for more senior positions · Low South West Africa income tax.

Oranjemund is a modern township with all facilities including excellent sporting and recreational facilities.

APPLY TO THE GENERAL MANAGER
P.O. Box 35
Oranjemund 9015
S.W.A.

STATING Full names · Resumé of qualifications and experience · Present salary
Personal Registration Identity Number · Marital status · Residential
address · Date and place of birth.
