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NEWS-LETTER OF THE SOUTH AFRICAN ASSOCIATION OF BOTANISTS  
NUUSBRIEF VAN DIE SUID-AFRIKAANSE GENOOTSKAP VAN PLANTKUNDIGES

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THE MYCOLOGY UNIT, PLANT PROTECTION RESEARCH INSTITUTE, PRETORIA:

The Collection of Fungi which was started in 1906 by Dr. I. Pole Evans and considerably enlarged by Dr. Ethel M. Doidge, has been known up to now as the Mycological Herbarium (PREM), Pretoria. Because new responsibilities have been assumed and in order to come into line with similar institutions overseas, it has been decided to change its name to the National Collection of Fungi, while retaining the abbreviation PREM.

Dr. G.C.A. van der Westhuizen, who has been associated with this Collection for the past 37 years, retired at the end of February 1984. Miss Cécile Roux succeeded him as Officer in Charge and Miss Alice P. Baxter, as Curator of the Collection.

Report on activities : During the past year a total of 289 specimens have been added to the Collection giving a total of 47 650 specimens. Collections were made of fungal pathogens on a number of crops, e.g. banana, guar, wheat, macadamia, citrus, guava and of forest pathogens. Specimens occurring on and in natural vegetation, weeds and invaders were also collected. Loans totalled 36 specimens. Noteworthy identifications totalled 277.

Staff: Miss C. Roux is responsible for identifications of fungi on animal feeds for Onderstepoort Veterinary Research Institute which involves mycotoxigenic fungi. Research is also carried out concerning the conidiogenous processes in the Coelomycetes and identifications in this group, especially the genera Phoma, Pyrenochaeta and related fungi.

Miss A. Baxter is in charge of the Collection where extensions to the present collection are implemented. She is involved in identifications of the Hyphomycetes and some groups in the Basidiomycetes e.g. the Polyporales and Rusts.

Mr. Rupert Y. Anelich is making a taxonomic study of root-rot pathogens. At present he is concentrating on the genus Fusarium and the Phycomycetes.

Because of the critical shortage of mycologists interested in taxonomy every researcher in the unit has to be fairly knowledgeable on all groups of the fungi in order to provide an adequate Identification Service to other Institutions, especially plant pathologists and the public. Visitors to the Unit are welcome to make the necessary arrangements through any of the aforementioned officers.

A new section which aims at establishing a bank of South African fungi has been started in the form of a culture collection. This is handled by Senior Technician, Mrs. Louise Schutte, who employs various methods of keeping the fungi viable, e.g. lyophilisation, storage under water, oil, etc.

Two Plant Pathologists, Mr. George Herd and Dr. Alan J. Phillips have recently joined our staff and are respectively studying chemical control of the sclerotia of Sclerotinia sclerotiorum, tolerance of the sclerotia to various fungicides and the hyperparasites of this fungus.

An appeal is made to all those working with fungi please to deposit their isolates in the National Collection so that dried material and if possible a live specimen can be available for other workers to compare with what they have found. Many South African fungi have been lost due to no one bothering to keep material for reference purposes.

The address where fungal material and cultures can be sent to is:  
National Collection of Fungi, Private Bag X134, Pretoria, 0001.  
Tel.: 012-285140.

S.A.A.B. ANNUAL CONGRESS, 1985: The first announcements of this Congress have been sent out to all members. The Congress will be held at Potchefstroom University, 14-19 January. The theme of the Congress will be Grassland Ecology. A few plenary and a number of parallel sessions are envisaged depending on the number of papers submitted by delegates.

There will be no post-congress excursions, instead a number of workshops will be arranged directly after the congress. One workshop will deal with multivariate analysis under the guidance of Prof. Hugh Gauch (Jr) of Cornell University, U.S.A. Depending on demand other workshops may be arranged on (a) Taxonomy of the Poaceae, with emphasis on practical identification of species, genera and tribes; (b) microscopy; (c) chromatography; (d) tissue culture and (e) spectroscopy.

Registration fees submitted with registration applications before 30 September will be students R10, Members R15, and non-members R20. Late registrations will be charged an additional R5.

S.A.G.P. NOORD-TRANSVAAL STREEKTAK - JAARVERSLAG VIR 1983:

Komitee: Voorsitter: Mnr. P. Herman  
Ondervoorsitter: Dr. W.F. Reyneke  
Sekretaresse: Mej. C. Huyser  
Penningmeester: Mnr. R.G. Westfall  
Lede: Dr. J.V. van Greuning  
Dr. G.E. Gibbs-Russell  
Mnr. C.F. van der Merwe  
Gekoöpteer: Mej. A. Winterboer.

Lidmaatskap: Die ledetal staan tans op 153.

Lesings: Die volgende lesings is gedurende die jaar gehou:

- 24 Maart: Dr. G.E. Gibbs-Russell - Navorsingsinstituut vir Plantkunde  
"Botany and the Computer"
- 26 Mei : Prof. J. Coetzee - Dept. Elektronmikroskopie, U.P.  
"Probleme met Glutaaraldehyd-fiksing vir Elektronmikroskopie".
- 16 Junie: Dr. C.P.R. Roberts - Dept. Omgewingsake, Waterwese.  
"The environmental consideration of the proposed Palmiet River development".
- 25 Aug. : Dr. J.V. van Greuning - Dept. Plantkunde U.P.  
"Enkele aspekte oor die taksonomie en filogenie van Suid-Afrikaanse Ficus-soorte".
- 6 Sept. : Fr. A. Watsham - St. Ignatius College, Harare.  
"Fig biology".
- 19 Okt. : Prof. F. Albers - Dept. Plantkunde, Universiteit van Kiel.  
"Morphological and karyological studies in African succulent members of the Asclepiadaceae".

Een lesing is in samewerking met die Suid-Afrikaanse Biologiese Vereniging en een lesing in samewerking met die Dendrologiese Vereniging aangebied.

Ander aktiwiteite: n Skyfie aand is weer vanjaar gehou waar lede skyfies in 5 kategorieë kon inskryf. Die 5 kategorieë was:

1. Anatomie en mikroskopie
2. Blomme en bloeiwyses
3. Landskappe/Veldtipes
4. Ongewone verskynsels
5. Algemeen

By dié geleentheid is sertifikate aan die persone wat die beste skyfie in n afdeling ingeskryf het toegeken.

n Naweekkamp is gedurende 25-27 Februarie na die Swadini-natuurreservaat onderneem om plante vir n herbarium aldaar te versamel. Daar was n aangename en interessante uitstappie wat definitief in die toekoms opgevolg kan word. Dit is net jammer dat so min lede (12) die kamp meegemaak het.

Die bywoning van lesings/uitstappie:

| <u>Datum</u> | <u>Spreker/Uitstappie</u> | <u>Lede</u> | <u>Besoekers</u> | <u>Totaal</u> |
|--------------|---------------------------|-------------|------------------|---------------|
| 25-27/2      | Kamp te Swadini           | 12          | 4                | 16            |
| 24/3         | Dr. G.E. Gibbs-Russell    | 17          | 9                | 26            |
| 26/5         | Prof. J. Coetzee          | 23          | 11               | 34            |
| 16/6         | Dr. C.P.R. Roberts x1     | 12          | 18               | 30            |
| 25/8         | Dr. J.V. van Greuning     | 15          | 3                | 18            |
| 6/9          | Fr. A. Watsham x2         | 17          | 7                | 24            |
| 29/9         | Skyfie aand               | 21          | 11               | 32            |
| 19/10        | Prof. F. Albers           | 19          | 1                | 20            |
|              | Totaal                    | 136         | 64               | 200           |
|              | Gem. 1983                 | 17          | 8                | 25            |
|              | " 1982                    | 17          | 8                | 26            |
|              | " 1981                    | 25          | 8                | 33            |

x1 In samewerking met die Biologiese Vereniging.

x2 In samewerking met die Dendrologiese Vereniging.

Hoewel die gemiddelde bywoning van lesings dieselfde is as verlede jaar, wek dit kommer dat lesings nie méér aktief ondersteun word nie.

Komiteevergaderings: Die komitee het 8 keer gedurende die jaar vergadering om lesings en die kamp te reël.

Verteenwoordigers: Dr. G.E. Gibbs-Russell was Noord-Transvaal se verteenwoordiger op die Raad vir die afgelope jaar.

Mnr. A.E. van Wyk was Noord-Transvaal se verteenwoordiger op die komitee vir omgewingsbewaring.

Prys vir die beste student: Die Raad van S.A.G.P. het voorgestel dat die verskillende streke n prys aan die beste plantkunde student/-e aan die Universiteite in hulle streek moet toeken. Vanjaar word dié prys vir die eerste keer aan mnr. B.P. Pretorius, U.P. en mnr. M.G. Mahlangu van die Universiteit van die Noorde, toegeken.

Dankbetuigings: Die volgende persone en instansies word hartlik bedank vir hul bystand en samewerking:

1. Alle bestuurslede van die Noord-Transvaalse tak van S.A.G.P. vir hul entoesiasme en ondersteuning die afgelope jaar. 'n Besondere woord van dank aan ons sekretaresse, mej. C. Huysen, vir haar harde werk.
2. Almal wat as sprekers by vergaderings gedurende die jaar opgetree het asook die borg van die kaas. en wyn-onthaal.
3. Die bestuur van die Biologiese en Dendrologiese Verenigings vir same-werking tydens gesamentlike lesings.
4. Die hoof van die Departement Plantkunde, U.P., vir toestemming dat kennis-gewings daar getik en gedupliseer kon word asook vir die gebruik van die breekgoed.
5. Die Departement Boukunde, U.P., vir die gebruik van lesinglokale.
6. Die hoof van die Navorsingsinstituut vir Plantkunde, Pretoria, vir toestemming om adresetikette asook sertifikate m.b.v. rekenaarhulpmiddels te bekom. (P. Herman).

PROPOSED BURNING EXPERIMENT: As part of the management policy of the Jonkershoek Forest Reserve near Stellenbosch, the Swartboschkloof catchment is to be burnt in March 1987. This area is the Fynbos Biome Mountain Fynbos study site and as such provides a good opportunity for pre- and post-burn studies in Mountain Fynbos vegetation.

A working group has been convened to co-ordinate the research and it has been proposed that workers should consider three main topics:

- (i) stability of vegetation boundaries
- (ii) diversity of regeneration strategies among fynbos plants and how the spectrum of strategy changes with habit
- (iii) the effect of fire on the availability of resources in the community.

Work need not, however, be restricted to these main topics.

Participation in this programme would be greatly welcomed and any interested parties requiring more information can write to: David J. McDonald, Botanical Research Unit, P.O. Box 471, Stellenbosch 7600.

FYNBOS BIOME PROJECT, SIXTH ANNUAL RESEARCH MEETING:

This meeting was held at the University of Stellenbosch on 16 June. After official welcome on behalf of the University by Prof. A.A. Theron (Dept. of Soil Science), Mr. B.J. Huntley of the C.S.I.R. outlined the funding of research by the National Programme for Environmental Sciences. The following sessions were held in the morning:-

Session 1 under the chairmanship of Prof. E.J. Moll (Dept. of Botany, University of Cape Town):

Palaeoecology - a report on research in the fynbos area - Mr. Anton Scholtz (Dept. of Archaeology, University of Stellenbosch).

Australian heath and Cape fynbos, similarities and differences - Dr. R.M. Cowling (Dept. of Botany, University of Cape Town).

Season of burn in western Cape fynbos - Mr. D. le Maitre (Jonkershoek Forestry Research Centre, Dept. of Environment Affairs).

A new look at fynbos diversity - Mr. J. Midgley (Saasveld Forestry Research Centre, Dept. of Environment Affairs).

Aspects of pollination biology in the fynbos biome . Mr. A. Rebelo (Fitzpatrick Institute for African Ornithology, University of Cape Town).

Session 2 under the chairmanship of Mr. F.J. Kruger (S.A. Forestry Research Institute, Dept. of Environment Affairs).

Soil nitrogen in Coastal Fynbos - Mr. W. Stock (Dept. of Botany, University of Cape Town).

Fynbos vegetation, the cause of black water lakelets - Mr. A.J. Gardiner (Dept. of Zoology, University of Cape Town).

Plant water relations at the arid fynbos succulent Karoo boundaries - Mr. J. Miller (Jonkershoek Forestry Research Centre, Dept. of Environment Affairs).

Aspects of biological control of invasive biota in the fynbos biome - Dr. R. Kluge (Plant Protection Research Institute, Stellenbosch).

Human and cost factors in Renosterveld conservation - Mr. C. MacDowell (School of Environmental Studies, University of Cape Town).

The afternoon was taken up with poster sessions.

DR. LESTER BURGESS of the Department of Plant Pathology, University of Sydney, Australia is currently in South Africa for a period of six weeks as a research associate of the Department of Agriculture (Plant Protection Research Institute). Dr. Burgess is busy with a survey of Fusarium in soils on a countrywide scale. While collecting material he will be giving lectures at various centres ending up with a workshop on Fusarium in Stellenbosch.

LIAISON COMMITTEE (SKAKELKOMITEE): This special committee of S.A.A.B. consists of Prof. J.H. Visser (Chairman and S.W. Cape), Prof. R.A. Lubke (E. Cape), Prof. R.N. Pienaar (Natal), Prof. H.J.T. Venter (O.F.S.) and Prof. G.K. Theron (Transvaal).

This committee was formed to issue public statements on behalf of South African botanists on any matters pertaining to botany and botanists and on which S.A.A.B. as a whole should take issue. The President will issue statements on behalf of the committee and will report on his actions at the following Council meeting. The committee members are to be reasonably permanent to ensure continuity within the committee and for effective functioning. This committee will not undertake the functions of any other existing committee such as the Nature Conservation Committee.

S.A. JOURNAL OF BOTANY: Members are reminded that the address for any contributions to the journal is The Editor, National Botanical Gardens Kirstenbosch, Private Bag X7, Claremont 7735. Enquiries may be directed to the full-time editorial assistant, Miss Lovell Bosman (Tel. 021-771166).

NATURE CONSERVATION PROBLEMS: Members are reminded that any items concerning conservation of plants may be sent to Prof. G.K. Theron, Chairman of the Association's Nature Conservation Committee. Reference to last month's Forum will give you an idea of the items dealt with by this Committee. Prof. Theron's address is Dept. of Botany, University of Pretoria, PRETORIA 0002.

NEW CONSTITUTION: The Secretary is finalising the production of the new edition of the Association's Constitution which was considerably emended at the A.G.M. in Cape Town at the beginning of the year. To help him work out the number of copies required you are asked to let him know by the end of Sept. whether you require a copy. The address is The Secretary S.A.A.B., P.O. Box 471, STELLENBOSCH 7600.

SOUTH AFRICAN WEED: A weeds research officer, Mr. D.W. Stephenson, in the South Australian Department of Agriculture has written to request any information about Pentzia suffruticosa in South Africa. The species is a serious weed in Australia and he is studying the "Biology and Control of Pentzia suffruticosa" for M. Agric. degree. Any reader who could assist him is asked to write to the Dept. of Agriculture, P.O. Box 1671, Adelaide, South Australia 5001.

NATIONAL BOTANIC GARDENS OF SOUTH AFRICA, APPLICATION FOR THE KIRSTENBOSCH JUBILEE PRIZE TO THE VALUE OF R1 500 ACCEPTED UP TO 30 SEPTEMBER 1984:

The prize is financed out of the Kirstenbosch Jubilee Fund of the National Botanic Gardens of South Africa and came into being in 1963 through contributions from the public of South Africa and is still expanding, with the object of promoting the aims of the National Botanic Gardens with particular reference to research.

The object of the prize, in the first instance, is to recognise botanical and horticultural contributions to the study of the country's indigenous flora and, secondly, to promote further study, research, publication in this field.

Applications must be directed to: The Director, National Botanic Gardens of South Africa, Kirstenbosch, Private Bag X7, CLAREMONT 7735, and must mention age, nationality and other personal particulars and give two references; and must be accompanied by a short curriculum vitae, certified copies of academic and professional qualifications, a list of publications and a short exposition of concluded and planned research.

Applicants must please request those people who supply references to send confidential reports direct to the Director, to reach him not later than 17 October, 1984.

P U B L I C A T I O N S:

JOURNAL OF GRASSLAND SOCIETY OF SOUTHERN AFRICA: In a report on the activities of the Bureau for Scientific Publications in Forum Botanicum 22,5 (May 1984) it was noted that the new national journal "S. Afr. Journal for Plant and Soil" would cover the subjects agronomy, horticulture, pasture and soil sciences and would replace mainly *Agroplanta* and *Agrochemophysica* of the Dept. of Agriculture as well as the journals of the 'subject-societies'.

The Grassland Society would like to point out that it had decided last year to replace the previously published proceedings of the annual congresses with a publication called the Journal of the Grassland Society of Southern Africa/Tydskrif van die Weidingsvereniging van Suidelike Afrika. Two numbers of this new journal have been published to date.

GRASSE VAN SUIDWES-AFRIKA/NAMIBIË deur M.A.N. MÜLLER. 279 bladsye, illustrasies, sagte band. WINDHOEK: Dept. Landbou en Natuurbewaring, 1983. Prys: R10. Ook beskikbaar in Engels en Duits.

Sedert Chippindall se behandeling van die grasse in "The grasses and pastures of South Africa", van D. Meredith, wat lankal reeds verouderd en uit druk is, was daar nog nie weer 'n omvattende boek oor Suid-Afrikaanse grasse nie. Hierdie leemte is tot 'n aansienlike mate gevul deur klein handboekies waarin die opvallendste grassoorte van verskillende streke beskryf en illustreer is; bv. "Algemene grasse van Noord-Kaapland" deur Roberts en Fourie, "Common veld and pasture grasses of Natal" deur Tainton, Bransby en de V. Booysen, "Algemene grasse van die Oranje-Vrystaat" deur Roberts, en "Gräser des Farmgebietes von Südwestafrika" van Volk. Opvallend is dat al hierdie handleidings, insluitende die onderwerp van hierdie berig, geskryf is deur mense wat nie spesialiste op die gebied van grastaksonomie is nie.

Die huidige publikasie behandel 114 spesies of subspecies, d.w.s. presies een derde van die aantal spesies wat behandel is in die "Prodromus einer Flora von Südwestafrika".

Die boek begin met 'n oorsig oor die plantegroeitipes van S.W.A., met 'n klein plantegroeikaart en 'n foto van elke plantegroeitype; 'n soort van verkorte weergawe van Giess se publikasie oor plantegroeitipes. Hierna volg 'n verduideliking van terme en die struktuur van grasplante, met 'n eenvoudige en 'n meer gevorderde identifikasiesleutel tot genera. Die deel van die boek wat die meeste gebruik sal word, is die behandeling van individuele spesies. Dit bestaan uit 'n verduideliking van die betekenis van die wetenskaplike naam, 'n lys van volksname, 'n kort beskrywing, 'n lys van magistratatsdistrikte waarin die betrokke soort voorkom, hoe dit onderskei kan word van verwante spesies, en laastens habitatsvereistes en waarde as weidingsgewas. Vir elke spesies is daar 'n verspreidingskaart wat a.g.v. die sterk verkleining meestal nie goed gedruk is nie. By meeste spesies is daar 'n foto van die plant wat m.i. nie die koste daarvan regverdig nie. Die skrywer was gelukkig om so 'n begaafde kunstenaar soos mev. B. Loutit (voorheen Blythe Pascoe) te kry om die mooi lyntekeninge te maak. Vir elke spesies is daar 'n volblad plaat van

lyntekeninge wat die hele plant wys asook vergrotings van die spicula en ligula.

Dit is ongelukkig dat die spesies in alfabetiese volgorde behandel word. Mens sou verwag dat die tipiese leser die boek sal wil gebruik om 'n onbekende plant te benaam, eerder as om te gaan oplees oor 'n plant waarvan hy reeds die naam ken. In 'n lg. geval sou die indeks in elk geval gebruik kon word. Die leser is dus verplig om of the sleutels te gebruik (waarin baie mense 'n afkeer het), of om die hele boek deur te blaai. M.i. sou die boek baie meer bruikbaar gewees het as die spesies gerangskik was volgens verwantskappe.

Die outeursafkortings is volgens Kew se "Draft index", 'n lofwaardige poging om afkortings te standardiseer. Meeste van die outeursafkortings van name is korrek, maar nie almal nie. Op bl. 220 moet (Schmidtia) kalahariense eerder kalihariense wees, op bl. 250 lees Boeckeler (nie Boeck) vir Beck, en op bl. 258 lees Forsskal vir Forsk.

Die boek is op goeie papier gedruk en is uitstaande waarde teen enige prys. Dit is egter jammer dat die uitgewer nie ook 'n hardebanduitgawe uitgebring het nie, want teen die baie gebruik wat ek voorsien, sal die sagte band nie lank hou nie. (P.V.)

MEMOIRS OF THE BOTANICAL SURVEY OF SOUTH AFRICA: Memoir No. 47 - A catalogue of Southern African Green, Brown and Red Marine Algae published by the Botanical Research Institute, Pretoria, is now available at R5-10 per copy, post free. Sales tax of R0-51c must be added to local orders. Institutions obtaining this journal on exchange will receive their copies in due course.

Remittances should be sent to: Division of Agricultural Information, Dept. of Agriculture, Private Bag X144, PRETORIA 0001.

ARCHIBALD, R.E.M.: The diatoms of the Sundays and Great Fish Rivers in the Eastern Cape Province of South Africa. 432 p.p., 34 plates, 572 figures, 8vo, cloth, Cramer, Braunschweig, 1983. £36.

JACOBSEN, W.B.G.: The ferns and fern allies of southern Africa. Durban: Butterworths. Price: c. R65.

On learning of the publication of this book, one's first reaction is elation, because this is the first comprehensive textbook on these plants since Sim's book in 1915. One's second reaction is one of dismay at the price, although that shock is softened by the discovery that there are 542 pages and numerous monochrome photographs.

The author sets out to "bring the wider circles of the public into contact with this fascinating group of plants ...", and to this end he devotes the first 123 pages to an extensive introduction, touching on topics including the nature of ferns, habitat preferences, conservation status, morphology, classification, evolutionary history, ecological factors and their influence on distribution, and a rather lengthy discussion of vegetation types of which ferns form a component. This section is lavishly illustrated with photographs.

The section of the book which should be used mostly, is a systematic treatment of the southern African ferns, preceded by a key to the families and genera (the species in each genus are keyed out at the beginning of each generic treatment). It is gratifying that southern Africa is here taken as the area south of the Kunene and Zambesi Rivers, as done by the zoologists, because it provides so much more information relevant to the genera and species occurring further south.

For every species there is a short but fairly comprehensive description, notes on its habitat preferences and distribution in the study area as well as further afield, at least one photograph which mostly depicts a herbarium specimen, and a map showing its distribution in the study area. A curious feature is the quite extensive bibliography cited under each name: apparently Dr. Jacobsen cited only literature seen by himself, with the result that the original publication or basionym are very often not cited. Neither are any types mentioned, and it seems as if the author saw neither types nor the collections of herbaria outside the study area. In the list of herbaria at which material was studied, the Bolus Herbarium is conspicuous by its absence.

A lamentable weakness of the book is the photographs. These are as good as can be, but ferns, especially when pressed and mounted on herbarium sheets, are simply not photogenic and never show the amount of detail which is possible with line drawings. In this respect especially the primitive ferns suffer, e.g. the photo's of Psilotum, Equisetum and Isoetes. Too often the photographs do not show the required detail of venation (e.g. Oleandra) or sori (e.g. Rumohra and Ampelopteris).

Isoetes transvaalensis (pp. 151 & 152) is treated as an undescribed species, whereas in fact the description was published in 1982 (Contrib. Bol. Herb. 10: 150).

The book is neatly produced and sturdily bound. Misprints are few. It

contains a wealth of information, and the reviewer must congratulate the author who (as so often with authors of books on South African plants) is not a practising botanist, for bringing out such a fine book without the benefit of being attached to a botanical research institution, and in spite of not having studied the comprehensive collections of the Bolus Herbarium. It is unfortunate that, as far as nomenclature and classification are concerned the book will soon to some extent be out of date as a result of the taxonomic work at present being undertaken on ferns. It nevertheless fulfils a crying need. I therefore unhesitatingly recommend this book to all those interested in ferns, whatever their level of interest.

SCOTT, C.L.: The genus Haworthia, a taxonomic revision. c. 336 pp., 260 x 205 mm, hard cloth cover. Aloe Books, Johannesburg . 1985.

The book will be a full taxonomic revision of this wellknown succulent genus in the Liliaceae covering 88 species and their subspecies. There will be numerous colour photographs. The author Col. C.L. Scott of East London is a retired police officer who has studied haworthias for many years.

Applications are being received for the Sponsor's Edition (R500 per copy) and the Collector's Edition (R275 per copy) excl. G.S.T. The Standard Edition will cost R60 per copy. Publication date is expected to be January or February 1985.

Enquiries: Frank Thorold, P.O. Box 241, JOHANNESBURG 2000.

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