

FORUM BOTANICUM

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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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SASQUA-1989 BIOGEOGRAPHY SYMPOSIUM

The Southern African Society for Quarternary Research is due to hold its next biennial conference in Durban in February, 1989. Following the success of a symposium on historical biogeography that was held as part of SASQUA's Stellenbosch conference in 1985 (published in *Palaeoecology of Africa* vol. 17, 1986), it is proposed to hold a large-scale symposium on biogeography at the Durban conference.

It is hoped that a clearer picture of present distributions and of past sequences will emerge from the symposium. Papers or posters will be welcomed on any aspect of present or past distributions of plants and animals, either in the whole of Southern Africa or in some more limited area.

Queries may be addressed to professor J.C. Poynton, Department of Biology, University of Natal, Durban 4001.

MINUTES OF THE ANNUAL GENERAL MEETING AT THE UNIVERSITY OF CAPE TOWN,
ON THURSDAY, JANUARY 14TH, AT 16h00

1. WELCOME

The President, Prof R.A. Lubke, welcomed everyone attending the meeting, stressing that we would be brief and to the point in deliberations. He also noted that although the proceedings would be undertaken in English, participants may speak either of the official languages.

2. REGISTER AND APOLOGIES

There were seventy-seven members present, with thirty-two apologies. The attendance register appears in the minute book.

3. APPROVAL OF THE MINUTES OF THE PREVIOUS AGM (16 JANUARY 1987)

The minutes of the previous meeting, which were published in Forum Botanicum, were taken as read, and approved as a true reflection of the proceedings of that meeting. They were signed by the President.

4. MATTERS ARISING

There were no matters arising.

5. REPORTS

5.1 PRESIDENT'S REPORT

Prof Lubke explained that it would not be necessary to read his report as it would be published in Forum Botanicum. He highlighted some of the events of the past year.

- (i) The increase in membership fees were an issue which may have resulted in resignations. This was not the case, with numbers increasing from 622 to 657.
- (ii) Awards. These will be dealt with at the dinner. Prof Lubke announced the names of the new honorary members. These are Prof van der Schijff, Dr Gordon-Gray, Dr Vogts, Mr Garland, Mr Leach, Mr Nicholson, Miss Gunn and Mr Giess.

- (iii) Publicity. Prof Lubke gave details of the edition of Archimedes which was prepared by members of the association. Copies of the volume were distributed to those present. Many contributions came from Rhodes University and research institutes. It was hoped that publicity would reach some of the schools with this issue. The article on the association which was published in 'Veld & Flora' resulted in some additional affiliate members.
- (iv) Prof Lubke called for assistance to revise the Career Guide 'Careers in Botany'.
- (v) Student membership is still low. A suggestion has been received that the form should be revised to indicate that fees must accompany application.
- (vi) Regions - good regional activities were reported in S W Cape, OFS, Northern Transvaal and South West Africa. Eastern Cape, Natal and Southern Transvaal were still inactive.
- (vii) Prof Lubke read an extract from Prof Theron's presidential report indicating a lack of enthusiasm to nominate candidates. This was not the case in 1987, when a good response was obtained from members for nominations.
- (viii) Thanks. Prof Lubke thanked the executive for its efforts, mentioning specially Prof Theron who retires from Council after many years.
- (ix) Dr F. Getliffe-Norris proposed the acceptance of the President's report. Seconded: Dr J.C. Scheepers.

5.2 TREASURER'S REPORT

Prof Botha tabled his report. He addressed the report, mentioning that there had been some apprehension about the effect raising subscriptions may have on membership. However, the financial position of the association was favourable at present. He suggested that the capital invested should be increased in

1988. He also foresees that subscriptions will rise in the near future. Expressed a plea to increase student membership.

Proposed: Dr Scheepers. Seconded: Prof Eloff. Accepted.

5.3 TRUST FUND

Motion of thanks to the Trustees was expressed by Dr Whitehead for the effort that has been put into improving the lot of the society. Prof van Staden proposed that the money be invested in a fixed deposit until a large amount has accumulated. Prof Eloff suggested the fund should be used to print the booklet 'Careers in Botany'.

5.4 FORUM BOTANICUM

Prof R.A. Lubke requested that Forum receive more articles. Dr F. Getliffe-Norris to assist the editor. Sub-editors could be appointed by each region.

5.5 S. AFR. J. BOT.

Prof Eloff tabled his report. Miss Bosman is unwell and Miss Salmon has been handling the journal. A part-time assistant has been appointed (Mrs. Hanekom) and is working from home. She will have an answering device on her telephone and can be contacted at any time.

Prof Eloff reported a steady growth towards the end of the year. There has been a decrease in papers in anatomy, with an increase in taxonomic papers. This may be a result of the special editions. Overseas referees are appointed for each article. A large panel of referees will be created, and suitable ones selected (no referee will be approached more than three times a year) for each publication using key words.

Compton prize will be awarded for the best paper. This will be announced in Forum. The selection technique will involve grading of all papers. This is to encourage authors to publish their best papers in the journal. Members of the editorial committee will not discuss the papers, and will provide a list of graded papers.

Cost: The journal costs are quite high, but this is mainly due to overseas mailing.

Prof Eloff expressed his thanks to Dr D. Botha and the staff of NBG for assistance.

6. CONGRESSES

The meeting agreed that having five minutes between sessions worked well. Prof Lubke expressed thanks to all organizers. SAASVELD Forestry Research Station indicated they would be prepared to take over the 1991 slot left vacant by South West Africa.

7. COUNCIL FOR 1988

The election of the new council proceeded smoothly and the Council for 1988 consists of the following members: Prof R.A. Lubke (President), Dr G.E. Gibbs Russell (Vice-President), Mr A.R. Palmer (Secretary), Prof C.E.J. Botha (Treasurer), Proff. E.J. Moll, C.T. Johnson, Drs W.J. Bond, D. Botha, H.P. Linder and Mr T.H. Arnold.

Mr Breitenbach expressed thanks to conservation committee for the help that it made.

8. CHANGES TO THE CONSTITUTION

The following change to the constitution was put to the meeting:

2.3.2 The recipients of the South African Medal for Botany, SAAB Senior Medal for Botany and the SAAB Certificate of Merit will be considered for Honorary membership as in 2.3.1 above.

Change accepted unanimously.

9. MOTIONS

Motion 1

SAAB Council proposes the motion that: The association appoint a permanent part-time assistant to undertake the administrative duties of the Association. He/she should be located at one of the large botanical research institutes, will be responsible to the President, and will carry out the routine administrative duties in co-operation with the Honorary Treasurer and Honorary Secretary.

In the discussion, Prof van Staden opposed the motion and requested that more details, i.e. costs, etc., be provided. Prof Eloff supported the motion, giving reasons. The meeting voted to modify the motion, asking Council to investigate the appointment of a permanent part-time assistant. The modified motion was accepted.

Motion 2

The committee and members of the Western Cape Branch of SAAB would like to propose that the SAAB congress, at present an annual event, be held instead every 18 months/2 years for the following reasons:

(1) The expenses associated today with attending any congress are such that the original intention of affording students an opportunity to present their work or meet other botanists is overruled by economic considerations. Few institutions can afford to send large numbers of delegates annually to different parts of the country, when the costs per head may be R400/R900, depending on distance and mode of transport.

(2) Greater benefit would be derived from attending the SAAB congress if it were a less frequent event with the accent on quality rather than quantity of work presented. If more emphasis were placed on invited papers and really excellent research, the whole standard of congresses would be raised and time would be well spent attending them. At present SAAB congresses seem to provide nothing more than a forum for unseemly competition between different institutions as to which can produce the most papers, irrespective of quality.

(3) The manpower requirement associated with arranging a congress of say 250 delegates is so enormous as to render the exercise impractical on an annual basis. The time and energy would be better spent on much-needed research.

(4) An 18-month interval between congresses would give greater flexibility in respect of climate and seasonality,

e.g. the South Western Cape is probably best visited in winter/spring if one wants to learn something about its vegetation.

Prof Moll addressed the motion, giving details of the reasons for suggesting biennial meetings. Discussion followed, and the motion was defeated by a large majority.

Motion 3

During the meeting on Botanical Education which was held during the congress, the following statement was prepared:

It is proposed that postgraduate courses addressing all aspects of botany be developed by universities and research institutes in Southern Africa. These courses should be open to students and other interested persons and should be aimed at improving standards of postgraduate students and encouraging interaction among botanists. The courses should be advertised in a supplement to Forum Botanicum. Sources of funding should be investigated by the universities and research institutes.

The motion was accepted unopposed.

10. GENERAL

Prof Hall reported that he was preparing a handbook on systematics. A letter has been posted to numerous members requesting their contribution. A reply was required.

The meeting ended at 5-18 pm.

SOUTH AFRICAN SYNTAXONOMIC NOMENCLATURE COMMITTEE (REPORT FOR 1987)

The South African Syntaxonomic Nomenclature Committee met once in 1987, namely on 15th January 1987 during the SAAB Congress at the University of Natal, Durban. Minutes of this meeting are available for perusal by any interested parties after being passed during the January 1988 meeting at the University of Cape Town. Owing to practical difficulties arising out of inopportune military call-ups, it was not practical to convene an interim meeting during 1987. Important deve-

lopments during 1987 are briefly reported on below.

C. Boucher's doctoral thesis 'A phytosociological study of transects through the Western Cape Coastal Foreland, South Africa' has been accepted and the results are available for the community at large. This work is an outstanding achievement and should be seen as a first-approximation synthesis of the plant communities of the Western Cape Coastal Foreland. Important points to note are that:

- (i) the syntaxonomic treatment is based on a formally ranked hierarchical classification with standard phytosociological nomenclature according to the International Code, and
- (ii) a synonymy of community names following the South African Code of Syntaxonomic Nomenclature is also provided.

Further work is being done on the classification of vegetation in the Grassland Biome particularly the western portion, viz. in the Pretoria-Lichtenburg-Hobhouse triangle. The first-approximation synthesis of the western Bankenveld is especially far advanced and should provide an effective nucleus for further elaboration of a syntaxonomic synthesis of the western portion of the Grassland Biome.

The revised version of the International Code of Syntaxonomic Nomenclature in Vegetatio 67(3) was welcomed and is being carefully examined with a view to bringing the South African Code into line with it.

J.C. SCHEEPERS

NATIONAL WORKING GROUP FOR VEGETATION ECOLOGY (REPORT FOR 1987)

One newsletter was circulated to those on our mailing list in 1987. A workshop on: Application potential of phytosociological data and guideline determination for improved data utilization, was held during August 1987. About 30 participants, including representatives from various fields of land management attended. A synthesis of the workshop proceedings was prepared and made available for all members.

Matrix data for 35 sets have been loaded onto the computer. 35 Plant-name sets have been encoded and 35 community-name sets have been prepared for encoding. These data form a large proportion of the back-

log for the PHYTOTAB data base.

New programs include PHYTO 21 and PHYTO 15, which greatly facilitate vegetation classification, although a limited amount of user sequencing is still required. Automatic classification should shortly be possible with PHYTO 23 which is currently being tested and will then be finalized for general use. Standardized encoding forms suitable for the specific requirements of habitat information have been designed. These forms considerably simplify input of these data. Data transfer from pocket PC to main frame can now be done on a routine basis, where computerized floristic data capture is used.

J.C. SCHEEPERS

WORKING GROUP FOR THE FLORA OF SOUTHERN AFRICA (REPORT 1987)

1. Twenty-two persons attended the working group for contributors to the Flora of Southern Africa held at the annual congress of SAAB in Durban, January 1987.
2. The AETFAT Register of Taxonomic Projects in Africa has been completed as a PDS-ADEPT database operating on the BTOS operating system on a Burroughs 26 microcomputer network. Camera-ready copy was sent to the Secretariat in Hamburg for publication in the AETFAT Bulletin. However, additional information forms for members have been received from Hamburg since the register was printed for publication. Comparison of research interests for the FSA with research in other parts of Africa remains to be done.
3. FSA fascicles published during 1987.
Bryophyta Part 1, Mosses Fascicle 2, Gigaspermaceae -
Bartramiaceae; by R.E. Magill.
TOTAL SPECIES PUBLISHED TO DATE: 2 790 (13,3% of total).
4. FSA ancillary volumes published during 1987.
List of species of southern African plants, Edn 2, part 2
Dicotyledonae; by G.E. Gibbs Russell, M. Welman, E. Retief,
K.L. Immelman, G. Germishuizen, B.J. Pienaar, M. van Wyk, A.
Nicholas.

5. FSA fascicles in press.
Vol. 16,3. Fabaceae, Papilionoideae, Aspalathus; by R. Dahlgren (+).
6. FSA fascicles nearing completion.
Vol. 5. Liliaceae, Aloinae (first part): Aloe, Kniphofia, Gasteria; by H.F. Glen, D.S. Hardy, L.E. Codd, E. van Jaarsveld.
Vol. 5. Liliaceae, Asparagoideae: Protasparagus, Myrsiphyllum, Dracaenoideae: Sansevieria, Dracaena; by A.A. Mauve, K.L. Immelman.
Vol. 8. Orchidaceae; by H.P. Linder, E.A. Schelpe, N.C. Anthony, A.V. Hall, J. Stewart, K.L. Immelman.
Vol. 9. Casuarinaceae, Piperaceae, Salicaceae, Myricaceae, Fagaceae, Ulmaceae, Moraceae, Cannabaceae, Urticaceae; by K.L. Immelman, M. Wilmot-Dear, I. Friis, H. Baijnath, D.J.B. Killick.
Vol. 30,3. Acanthaceae, Justicieae: Rhinacanthus, Justicia, Monechma, Siphonoglossa, Duvernoia, Adhatoda, Aulojusticia, Anisotes, Metarungia, Myoporaceae: Myoporum, Plantaginaceae: Plantago; by K.L. Immelman, J. Munday, C. Baden, F. Getliffe Norris, J. Manning, K. Balkwill, H.F. Glen.
7. Other manuscripts with the Editor
Vol. 8. Zingiberaceae; by R.M. Smith
Vol. 10,2. Polygonaceae; by G. Germishuizen
Vol. 12. Ceratophyllaceae; by M. Wilmot-Dear
Vol. 24. Onagraceae; by P. Goldblatt & P. Raven. Trapaceae; by B. Verdcourt
Vol. 27. Asclepiadaceae, Stapelia (in part); by L.C. Leach
Vol. 28. Convolvulaceae (in part); by A.D.J. Meeuse

8. New research. The following work has been undertaken since 1 January 1987.

- Vol. 2. Poaceae: Pentaschistis; by H.P. Linder
Prionanthium, Tribolium, Urochlaena; by G. Davidge
- Vol. 5. Liliaceae: Chamaeloe, Chortolirion, Poellnitzia;
by G.F. Smith
- Vol. 10. Mesembryanthemaceae: Prenia, Sceletium; by H.P. Linder.
Erepsia, Pleiospilos, Tanquana; by S. Leide
- Vol. 16. Fabaceae: Melolobium; by B.E. van Wyk
- Vol. 17. Geraniaceae: Erodium; by H.J.T. Venter
- Vol. 19. Polygalaceae: Nylandtia; by C.T. Johnson
- Vol. 20. Celastraceae; by A.E. van Wyk, L. van der Walt.
Rhamnaceae: Phyllica; by M. Viviers
- Vol. 23. Lythraceae; by K.L. Immelman
Combretaceae; by E.F. Hennessy
- Vol. 29. Selaginaceae: Selago; by O.M. Hillard
- Vol. 30,3. Acanthaceae: Rhinacanthus; by K. Balkwill
- Vol. 31,3. Myoporaceae: Myoporum; by H.F. Glen
- Vol. 33. Asteraceae: Adenanthellum, Adenoglossa, Leucoptera,
Cymbopappus, Hilliardia; by B. Nordenstam

SUMMARY OF THE MEETING OF THE HERBARIUM CURATORS WORKING GROUP
HELD ON 13 & 14 OCTOBER 1987 AT THE BOTANICAL RESEARCH INSTITUTE,
PRETORIA

1. Advertising the existence of the Working Group:

Letters have been sent to the:

- . South African Journal of Science
- . South African Museums Association
- . Association for Systematic Collections (USA)
- . AETFAT

2. Second edition of Index Herbarium Austro-Africanorum:

A new modified questionnaire is to be sent to herbaria to gather updated information.

3. List of southern African taxa and synonyms:

Part 2 of the 2nd edition has now been published. The next step is to include distribution data for each taxon.

4. Scanning literature for recent taxonomic publications and name changes:

The National Herbarium scans between 186 and 198 journals annually. Because of insufficient staff and a heavy workload it is unable to evaluate relevant taxonomic treatments, resulting in all changes being automatically accepted. Ways of resolving this unsatisfactory situation are being investigated.

5. Wholesale purchase of herbarium equipment:

The National Herbarium is being assisted by the National Timber Research Institute of the CSIR with an investigation to find locally produced acid-free board suitable for mounting plant specimens on.

6. Conditions of loans of herbarium specimens:

The recommendations accepted at the last meeting have been adopted by a number of local herbaria. An additional condition was added and others modified and further refined.

7. The loan of specimens to private individuals:

Although this is a matter to be decided by individual herbaria, it was agreed that the indiscriminate loan of specimens to private individuals was not to be recommended.

8. Standardization of collectors' field labels:

The proposed new field label was further modified and refined. It is to be sent to all herbaria and collectors for their recommended use.

9. Herbarium hygiene:

The document on 'Pest control in herbaria' has now been completed and will be distributed to all southern African herbaria.

10. Herbarium Newsletter:

The officer responsible for the newsletter is finding it impossible to cope with this responsibility and work towards an M.Sc. degree. Dr Getliffe-Norris at the NBG will be approached to take over this function. Failing her Mr E.G.H. Oliver of the Stellenbosch Herbarium will take over the function.

11. Herbarium manual:

No progress was reported. It was agreed that the manual should be produced in separate parts of which the document 'Pest control in herbaria' would be the first part.

12. Co-operative National collecting programme:

A number of problems require to be resolved before this programme can get underway. These include: insufficient funding; insufficient storage space to house additional collections; and insufficient technical staff to handle the material collected.

13. Selective control of specimens added to the National Herbarium:

This will play a critical part in helping resolve the workload problems that exist. This function should be fully operational by the end of March 1988.

14. Use of computers in herbaria:

A questionnaire will be sent to all herbaria requesting details about the computer hardware and software used.

The National Herbarium has developed and launched a complex application to handle various herbarium curation functions.

15. Copying types from overseas:

There has been no response from researchers in this regard. It was agreed that this important function requires better advertising if the desired effect is to be achieved.

16. Rationalization of Cryptogamic and other collections:

The Working Group supports this proposal but felt that no re-

commendation should be made before a proposed investigation into South African herbaria is undertaken.

17. Sanctions and International Relations:

There has been no noticeable change in this regard.

18. Reportback on the Nomenclatural session at the IAPT Congress in Berlin:

A report was handed to the Working Group detailing all proposals made at the Congress. The report was not discussed.

19. Collecting permits for botanists:

This remains a serious problem. It was agreed that a further effort should be made to try and rationalize and simplify the existing permit system.

20. Charging for plant identifications by the BRI:

The BRI has agreed in principle to charge for its plant identifications. This will be dependant, however, on the reaction of other state herbaria to this proposal.

21. Composition of the Working Group:

This was modified as follows: the Working Group will no longer be restricted to a maximum of 20 members. The Secretariat will in future send invitations to all herbaria to attend the meetings.

22. Election of new Secretariat:

The following nominations were unanimously accepted: Prof. A.V. Hall, Dr J.P. Rourke and Mr E.G.H. Oliver.

B. DE WINTER

S.A.G.P.-NATUURBEWARINGSKOMITEE VERSLAG VAN AKTIWITEITE
GEDURENDE 1987

Ondanks oproepe in Forum Botanicum en tydens die S.A.G.P.-Jaarkongres is geen nuwe natuurbewaringsake gedurende 1987 onder die aandag van die Komitee gebring nie. Sonder die nodige ondersteuning van S.A.G.P.-lede kan die Komitee nie tot sy reg kom nie.

Twee sake is deur nie-lede na die Komitee verwys, nl.:

- Die maandelike verskuiwing van Nasionale boomplantedag vanaf Augustus na ± Oktober. Dit blyk dat veral in die binneland die huidige datum nog te lank voor die aanvang van die groei-seisoen is.
- Kommer is deur 'n inwoner van die Natalse suidkus uitgespreek oor die grootskaalse vernietiging van die duinplantegroei deur ontwikkelaars. 'n Afskrif van die brief is vir kommentaar na belanghebbende instansies gestuur.

Die kwessie van broodboombewaring is steeds die belangrikste saak wat die aandag van die komitee geniet. Briewe is aan verskeie bewaringsinstansies gerig waarin inligting en menings oor die probleem aangevra is. Uit die antwoorde wat ontvang is het dit spoedig geblyk dat die mening van natuurbewaringsbeambptes soos gestel op papier en tydens informele samesprekings nie dieselfde is nie. Hulle is huiwerig om kritiek teen die huidige stelsel van bewaring op skrif te stel, weens die vrees dat sodanige optrede onder andere as dislojaal teenoor die organisasie wat hul verteenwoordig vertolk sal word. Daar is gevolglik besluit om persoonlike onderhoude met beambptes te voer. 'n Voorlopige verslag is opgestel en tydens die S.A.G.P.-Raadsvergadering in Augustus 1987 bespreek. Die Raad het versoek dat aanbevelings vir deursending na die betrokke minister geformuleer moet word. Hierdie aanbevelings sou tydens die raadsvergadering in Januarie 1988 bespreek word.

A.E. VAN WYK

INTECOL PLAN

A look at its master plan for 1987-1990 shows the International Association for Ecology (INTECOL) will address three areas of activity deemed essential for the future. The aim is to build a worldwide network of institutions and individuals for the exchange of information and scientific research that will help to solve the world's ecological problems. These priorities are:

- * development of active ecological organizations that can provide critical review of research results and teaching materials and a support system for young ecologists;

- * development of departments of ecology or environmental science in colleges and universities where professionals can be properly trained; and
- * development of text books and teaching materials in appropriate languages and using geographically-appropriate examples.

According to the INTECOL Newsletter, a new textbook project is already under way in keeping with these objectives. INTECOL Board member Eduardo Fuentes of the Universidad Catolica de Chile will lead a committee of ecology teachers in Latin American and Caribbean countries in preparing a series of texts for university students. In an effort to reinforce the links between students, professionals and the environment, the books will be in local languages and, where possible, they will refer to local literature and local examples. At the same time, the books are expected to meet high standards: a special review committee will work with the authors in preparing the books and seeing that they are absolutely up-to-date. If the experiment is successful, then INTECOL will expand the project to include similar ventures in Africa and Asia.

From: Science International ICSU Newsletter

BARGAIN BOOKS

Limited back numbers of the Journal of South African Botany are available and are offered at a special 75th Anniversary price of R12,00 plus GST (R13,44) per volume (usually 4 numbers).

Readers may wish to inform libraries in their Institutes of this opportunity to fill gaps in the series or indeed may wish to take this opportunity to complete their personal sets.

Please send your pre-paid requests to:

National Botanic Gardens
Private Bag X7
CLAREMONT
7735
R.S.A.

WORKING GROUP FOR SYSTEMATIC WOOD ANATOMY : LIST OF RESEARCHERS AND RESEARCH TOPICS

INSTITUTION	PROJECT TITLE	KEYWORDS	PROJECT LEADER	RESEARCHER	PURPOSE OF PROJECT
Univ. OVS	n Houtanatomiese studie van die Suid-Afrikaanse Periplocaceae	Houtanatomie, Periplocaceae	H.J.T. Venter	Dr R.L. Verhoeven	Na-doktorale navorsing
US	Wood Anatomy of <u>Pelargonium</u> (Geraniaceae)	Geraniaceae, <u>Pelargonium</u> , Wood anatomy	J.J.A. v.d.Walt	J.J.A. v.d.Walt	
	n Evaluering van die generiese grense van die Celastraceae in Suidelike Afrika	Celastraceae, Taksonomie, Suidelike Afrika	J.J.A. v.d.Walt	Mej. L. v.d.Walt	M-graad
SAFRI	Investigation of the macro- and microscopic features of timbers and the preparation of identification keys: Indigenous timbers.	Wood anatomy, wood identification, identification keys, indigenous timbers	Stephanie T. Coetzee		Ongoing dept.
CSIR	Fracture mechanisms in Black wood (<u>Acacia melanoxylon</u>), Cape Beech (<u>Rapanea melanophloeos</u>) and other non-indigenous woods.	Failure patterns in relation to anatomy spread of failure at microscopic level.	Dr M. Bariska	Self	
	Anatomy of indigenous trees in Transvaal and the Namib Desert.	Water conducting, storage support system of wood under ideal and highly stressed environ. conditions.			
UNIV.PRE-TORIA	Houtanatomie vorm deel van ons multidissiplinêre benadering tot planttaksonomie.	Myrtaceae, Celastraceae, <u>Acacia</u> , Rubiaceae	A.E.van Wyk/P.J. Robbertse	A.E.van Wyk en studente	M.Sc., D.Sc. Research

INSTITUTION	PROJECT TITLE	KEYWORDS	PROJECT LEADER	RESEARCHER	PURPOSE OF PROJECT
SA MUSEUM	E. February is doing a thesis through UCT using Xylem analysis to reconstruct past climates	West coast, wood anatomy climatic history, archaeology	E. February	E. February	M.Sc.
	Reconstruction of 2000 years of climatic history in the summer rainfall area.	Summer rainfall area, archaeology, climatic history, ecological wood anatomy, computer/digitiser	Anton Scholtz	Madelon Tusenius	
UWC	Wood anatomy of Trees and Shrubs Southern Africa.	Wood anatomy, Ecology, Identification	C.T. Johnson	Self	Post-doctoral

C.T. JOHNSON

APOLOGY: The Editor regrets that as a result of faulty copying of Vol. 26, No. 2 of Forum Botanicum, pages 28 and 37 did not appear, while pages 27 and 38 appeared twice. The two missing pages are now included in this issue.

REDAKTRISE/EDITOR

Mej. W.G. Welman Sci. Nat.
P/A Navorsingsinstituut vir Plantkunde
Privaatsak X101
PRETORIA
0001