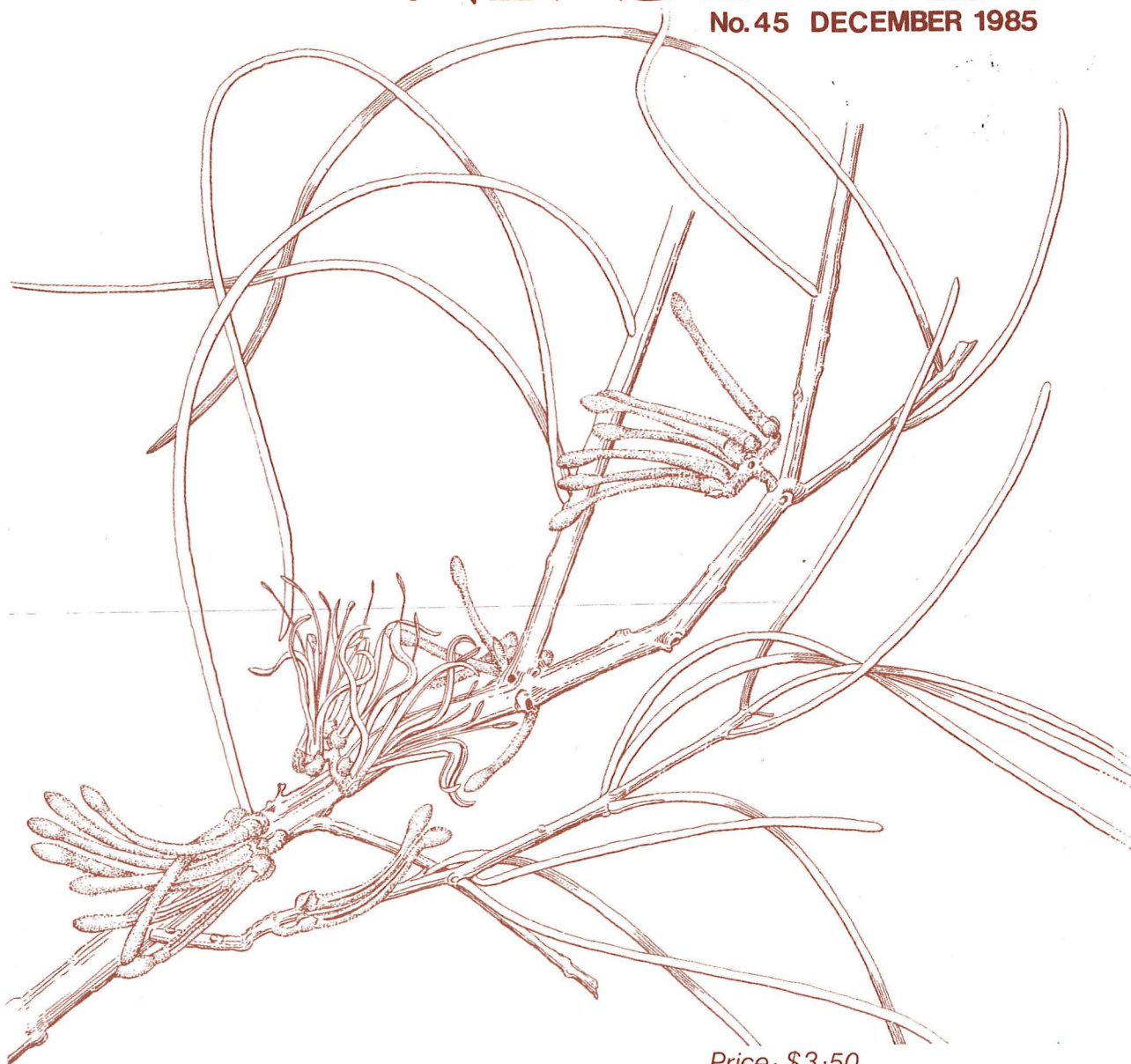




Australian Systematic Botany Society NEWSLETTER

No. 45 DECEMBER 1985



Amyema linophyllum (Fenzl) Tieghem
subsp. *orientale* Barlow

Price: \$3.50

Registered by AUSTRALIA POST
Publication No. QBH3340

**AUSTRALIAN SYSTEMATIC BOTANY SOCIETY
CURRENT OFFICE BEARERS**

President

Dr B. Barlow,
Australian National Herbarium,
C.S.I.R.O.,
P.O. Box 1600,
CANBERRA CITY. A.C.T. 2601.

Vice President

Dr B.G. Briggs,
Royal Botanic Gardens
SYDNEY. N.S.W. 2000

Secretary

Dr L. Haegi,
Botanic Gardens,
North Terrace,
ADELAIDE. S.A. 5000

Treasurer

Dr P. Short
Royal Botanic Gardens &
National Herbarium,
Birdwood Avenue,
SOUTH YARRA. Vic. 3141

Councillors

Dr M. Crisp,
Australian National
Botanic Gardens,
P.O. Box 158,
CANBERRA CITY. A.C.T. 2601

Mr R. Henderson,
Queensland Herbarium,
Meiers Road,
INDOOROOPILLY. Q. 4068

Conveners of Local Chapters

Adelaide	:	Dr Barbara Randell	Melbourne	:	Mr Stephen Forbes
Armidale	:	Mr John Williams	Perth	:	Dr Terry Macfarlane
Brisbane	:	Mr Laurie Jessup	Sydney	:	Prof. Roger Carolin & Mr Ken Hill
Canberra	:	Dr Helen Hewson	Townsville	:	Dr Betsy Jackes
Darwin	:	Mr Clyde Dunlop			
Hobart	:	Dr Tony Orchard			

Affiliated Society : Papua New Guinea Botanical Society

PLANTS COLLECTED BY J.W.O. TEPPER FROM ROEBUCK BAY,
S.W. KIMBERLEY AND CITED BY J.G.O. TEPPER IN
"THE FLORA OF ROEBUCK BAY, WEST AUSTRALIA"

Kevin F. Kenneally
Western Australian Herbarium, George St.,
South Perth 6151

INTRODUCTION

The publications of J.G.O. Tepper (1893a & b) contain identical lists of the plants collected by his son J.W.O. Tepper from Roebuck Bay, Western Australia (Maiden 1917). This collection represented, at that time, the largest collection of Kimberley plants made by a resident collector. The collection is of both historical and ecological significance being from a relatively restricted geographical area which forms an interzone between the dry desert flora to the south and the wet tropical flora to the north.

J.W.O. Tepper arrived in Roebuck Bay (now known as Broome) in March 1889 to take up the position of assistant telegraphist at the Post Office. The Post Office was the terminal building for the first submarine cable to Western Australia which ran from Banjuwangi in Indonesia and became operative on 9 April 1889. Tepper resided in Roebuck Bay until 1892 and during this time collected plants which he forwarded to his father, J.G.O. Tepper, the renowned South Australian naturalist (Kraehenbuehl 1969). I am preparing a biography of J.W.O. Tepper for publication.

J.G.O. Tepper sent the Roebuck Bay specimens for identification to Ferdinand von Mueller at Melbourne where the majority of the collection remains. It appears, however, that some duplicate material was sent to the Western Australian Museum and was later transferred to the Western Australian Herbarium (PERTH).

Whilst preparing an account of the vegetation and flora of the Dampierland Peninsula (Kenneally 1983; McKenzie and Kenneally 1983) I came across many of Tepper's collections. A systematic search of the herbarium, using Tepper's published species list, was undertaken in an attempt to ascertain how complete a duplicate set of Roebuck Bay material was held at PERTH. To date 66 duplicate specimens have been located (including an isotype of Gyrostemon tepperi (F.Muell. ex Walter) A.S.George) from a list of 144 published species.

In the interim, resident collectors in the Broome area have attempted to recollect those species cited in Tepper's list in order to establish how many still occur in the immediate vicinity of Broome. Some species not recollected, but listed by Tepper,

may have been "obtained at a visit to Hancock's Cattle Station, about 25 miles inland, an excursion to a part of the coast some seven to ten miles southward, and on a telegraph-line-repairing trip of about 30 miles towards Derby" (Tepper 1893a).

The labels of the duplicate specimens at PERTH often contain errors. In many instances the dates of collection do not accord with those cited in the published species list and the collector has been transcribed as I.W.O. Tepper. In an attempt to correct these problems a 'Voucher Specimen' label bearing the correct details transcribed from the publication has been attached to all of the PERTH sheets (Fig. 1). Some of the specimens at MEL have J.W.O. Tepper's handwritten labels attached bearing the Post Office Stamp 'Roebuck Bay, W.A.'. One specimen located at PERTH bears a NSW label with the name *Acacia proxima* (= *A. eriopoda*), in Maiden's handwriting. This suggests that Tepper's *Acacia* specimens were forwarded to Maiden for identification.

An alphabetical list of the species published by J.G.O. Tepper is reproduced below indicating those specimens located at PERTH, instances where multiple collections exist, where the species has not been recollected to date, and where the identity of a species is unknown or in question.

I would appreciate receiving information about Tepper's Roebuck Bay plant collections, particularly those species not recollected since 1893.

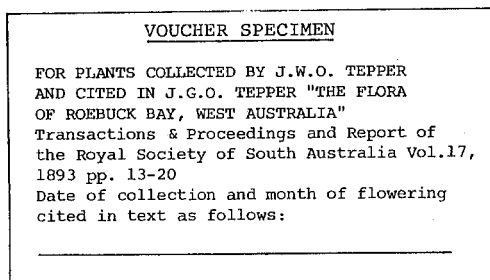


Fig. 1. Voucher Specimen label attached to all Tepper specimens located in the Western Australian Herbarium (PERTH).

- ***Abrus precatorius* L.
- Abutilon cunninghamii* Benth. = *A. indicum* (L.) Sweet
- **Abutilon graveolens* Wight & Arnott = *A. otocarpum* F.Muell.
- Acacia acuminata* Benth. = *A. eriopoda* Maiden & Blakely
- **Acacia bivenosa* DC.
- Acacia holosericea* Cunn. ex Don
- **Acacia impressa* F.Muell. = *A. monticola* J.Black
- **Acacia lycopodifolia* Cunn. ex Hook. = *A. adoxa* Pedley var. *subglabra* Pedley
- Acacia signata* F.Muell. = ? *A. eriopoda* Maiden & Blakely
- **Acacia tumida* F.Muell. ex Benth.
- Adriana tomentosa* Gaudich
- #*Alysicarpus longifolius* Wight & Arnott
- Amaranthus pallidiflorus* F.Muell. = *Amaranthus hybridus* L.
- ***Aneilema gramineum* R.Br. = *Murdannia graminea* (R.Br.) G. Brueckner
- **Atalaya hemiglaucula* (F.Muell.) F.Muell. ex Benth.
- Atalaya varifolia* F.Muell. ex Benth.
- **Avicennia officinalis* L. = *A. marina* (Forsskal) Vierh.

- Bauhinia leichhardtii* F.Muell. = *Lysiphyllum cunninghamii* (Benth.) de Wit
- **Boerhavia diffusa* L. = *B. coccinea* Miller
- **Boerhavia repanda* Willd. = *B. affin. dominii* Meikle & H.J.Hewson
- **Brachychiton diversifolius* R.Br.
- #*Buchnera gracilis* R.Br.
- **Byblis linifolia* Salisb. = *B. liniflora* Salisb.
- **Caesalpinia bonduc* = *C. globulorum* Bakh.f. & Royen
- **Calogyne berardiana* F.Muell. = *Goodenia berardiana* (Gaudich.) Carolin
- **Calycothrix microphylla* Cunn. = *Calytrix exstipulata* DC.
- Canavalia obtusifolia* DC. = ? *Canavalia rosea* (Swartz) DC.
- **Canthium oleifolium* Hook. = *C. attenuatum* R.Br. ex Benth.
- **Capparis lasiantha* R.Br. ex DC.
- Capparis spinosa* L. = *C. spinosa* L. var. *nummularia* (DC.) Bailey
- **Carissa brownii* F.Muell. var. *angustifolia* = *C. lanceolata* R.Br.
- Cassia concinna* Benth. = *C. pumila* Lam.
- Cassia notabilis* F.Muell.
- Cassia oligoclada* F.Muell.
- #*Cassia pruinosa* F.Muell.
- #*Claytonia polypetala* F.Muell. = *Calandrinia polypetala* Fenzl
- **Cleome tetrandra* Banks
- Cleome viscosa* L.
- Clerodendron floribundum* R.Br.
- Clerodendron tomentosum* (Vent.) R.Br.
- #*Commersonia loxophylla* F.Muell. = *Rulingia loxophylla* F.Muell.
- **Convolvulus parviflorus* Vahl. = *Jacquemontia paniculata* (N.L.Burman) H.Hallier
- **Corchorus fascicularis* Lam. = *C. acutangulus* Lamarck
- Corchorus sidoides* F.Muell.
- **Crotalaria crispata* F.Muell. ex Benth.
- Crotalaria cunninghamii* R.Br.
- #*Crotalaria linifolia* L.f.
- Crotalaria medicaginea* Lam.
- **Cymbidium canaliculatum* R.Br.
- Cyperus conicus* (R.Br.) Boeckler
- #*Cyperus eragrostis* Lam.
- Distichostemon phyllopterus* F.Muell. = *Distichostemon hispidulus* (Endl.) Baill. var. *phyllopterus* (F.Muell.) S.T.Reynolds.
- **Dolichandrone heterophylla* (R.Br.) F.Muell.
- **Drosera petiolaris* R.Br. ex DC.
- Ehretia saligna* R.Br.
- **Eragrostis eriopoda* Benth.
- **Eucalyptus clavigera* Cunn. = *E. confertiflora* F.Muell.
- **Eucalyptus terminalis* F.Muell.
- #*Euphorbia mitchelliana* Boiss.
- **Evolvulus linifolius* L. = *E. alsinoides* (L.) L.
- **Exocarpos latifolius* R.Br.
- **Galactia tenuiflora* (Klein ex Willd.) Wight & Arn.
- Gardenia pantoni* F.Muell.
- Gomphrena canescens* R.Br.
- Gossypium australe* F.Muell.
- Grevillea mimosoides* R.Br.
- Grevillea refracta* R.Br.
- Grewia breviflora* Benth.
- **Gymnema stenophyllum* A.Gray
- **Gyrocarpus americanus* Jacq. = *G. americanus* Jacq. subsp. *pachyphyllus* Kubitzki

- Gyrostemon cyclothea* Benth. = *G. tepperi* (F.Muell. ex H.Walter)
A.S.George
- **Hakea arborescens* R.Br.
**Hakea macrocarpa* Cunn. ex R.Br.
#*Heliotropium cunninghamii* Benth.
#*Heliotropium paniculatum* R.Br.
**Hibiscus leptocladus* Benth.
**Hibiscus microlaenus* F.Muell. = *H. leptocladus* Benth.
**Hibiscus panduriformis* Burm.f. = *H. panduriformis* Burm.f. var.
australis Hochr.
**Hybanthus suffruticosus* F.Muell. = *H. aurantiacus* (F.Muell. ex
Benth.) F.Muell.
Hypoestes floribunda R.Br.
Indigofera enneaphylla L. = *I. linnaei* Ali
Indigofera hirsuta L.
Indigofera linifolia (L.f.) Retz.
#*Indigofera viscosa* Lam. = *I. colutea* (Burm.f.) Merr.
#*Ipomoea diversifolia* R.Br.
#*Ipomoea* affin. *eriocarpa* R.Br.
#*Ipomoea heterophylla* R.Br.
**Isotropis atropurpurea* F.Muell.
**Ixora tomentosa* Roxb. = *Pavetta brownii* Bremek. var. *pubescens*
Bremek.
Jasminum affin. *didymum* G.Forster
#*Loranthus amplexifolius* F.Muell.
**Loranthus bifurcatus* Benth. = *Amyema bifurcatum* (Benth.) Tieghem
var. *bifurcatum*
Mallotus affin. *nesophilus* Muell.
#*Marsdenia* affin. *velutina* R.Br.
**Melaleuca leucadendra* (L.) L. = *M. nervosa* (Lindley) Cheel
subsp. *ined.*
**Melhania incana* Heyne = *M. oblongifolia* F.Muell.
**Mitrasacme lutea* F.Muell.
**Myoporum dampieri* Cunn. = *M. acuminatum* R.Br.
**Oldenlandia trachymenoides* (F.Muell.) F.Muell.
Persoonia falcata R.Br.
#*Phyllanthus ramosissimus* F.Muell.
**Pluchea tetranthera* F.Muell.
Polichia zeylanica F.Muell. = *Trichodesma zeylanicum* (N.L.Burman)
R.Br.
**Polycarpaea corymbosa* Lam. = *P. longiflora* F.Muell.
**Polygala tepperi* F.Muell. [Isotype]
**Polymeria angusta* F.Muell. = *Bonamia oblongifolia* Myint
#*Portulaca bicolor* F.Muell.
#*Portulaca dubia* F.Muell. ex Poelln.
Premna integrifolia L. = ? *Premna acuminata* R.Br.
#*Psoralea archeri* F.Muell.
**Pterigeron macrocephalus* Benth. = *Streptoglossa macrocephala*
(F.Muell.) C.R.Dunlop
**Pterocaulon sphacelatum* (Labill.) F.Muell.
Ptilotus alopecuroides F.Muell. = *P. polystachyus* (Gaud.)
F.Muell.
Ptilotus cunninghamii Benth.
Ptilotus exaltatus Nees
#*Ptilotus schwartzii* F.Muell. ex Tate
**Salsola kali* L.
**Santalum lanceolatum* R.Br.
**Securinega obovata* F.Muell. = *Flueggea virosa* (Roxb. ex Willd.)
Voight subsp. *melanthesoides* (F.Muell.) Webster

- ***Securinega obovata* F.Muell. = *Bridelia tomentosa* Blume var.
 glabrifolia (Merr.) Airy Shaw
- Seringea corollata* Steetz. = *Keraudrenia integrifolia* Steudel
- **Sida subspicata* (F.Muell.) Benth.
- **Sida virgata* Hook. = *S. rohlena* Domin
- #*Solanum diversiflorum* F.Muell.
- #*Solanum esuriale* Lindley
- #*Solanum quadriloculatum* F.Muell.
- Spermacoce pogostoma* Benth. = *Borreria breviflora* (F.Muell. ex
 Benth.) Specht
- Spinifex longifolius* R.Br.
- #*Stackhousia muricata* Lindley
- Stackhousia viminea* Smith = *S. intermedia* Bailey
- #*Tephrosia filipes* Benth.
- #*Tephrosia purpurea* (L.) Pers.
- Tephrosia remotiflora* F.Muell. ex Benth.
- **Terminalia latifolia* F.Muell. = *T. ferdinandiana* Exell
- **Terminalia petiolaris* Cunn. ex Benth.
- **Trianthema pilosa* F.Muell.
- Tribulus hystrix* R.Br.
- #**Uraria cylindracea* Benth.
- Velleia panduriformis* Cunn. ex Benth.
- Ventilago viminalis* Hook.
- **Vernonia cinerea* Less.
- **Wrightia saligna* (R.Br.) Benth.
- **Zornia diphylla* Pers. = *Z. chaetophora* F.Muell.
- **Zornia diphylla* Pers. = *Z. nervata* Mohl.

* = specimens located at PERTH

** = multiple collections at PERTH

= not recollected to date or identity uncertain

REFERENCES

- Kenneally, K.F. 1983. Flora In: N.L. McKenzie (ed.) *Wildlife of the Dampier Peninsula, South-west Kimberley, Western Australia*. Wildl. Res. Bull. West. Aust. No. 11: 27-39.
- Kraehenbuehl, D.N. 1969. The life and works of J.G.O. Tepper. *South Australian Naturalist* 44: 23-42.
- Maiden, J.H. 1917. Notes on Acacia, No. 2. - Tropical Western Australia. *J. & Proc. Roy. Soc. N.S.W.* 51: 71-124.
- McKenzie, N.L. & K.F. Kenneally. 1983. Background and environment. In: N.L. McKenzie (ed.) *Wildlife of the Dampier Peninsula, South-west Kimberley, Western Australia*. Wildl. Res. Bull. West. Aust. No. 11: 5-23.
- Tepper, J.G.O. 1893a. The flora of Roebuck Bay, West Australia. *Proc. Roy. Soc. S.A.* 7(13): 13-20.
- Tepper, J.G.O. 1893b. Die flora von Roebuck Bay, Nord-West Australien. *Bot. Centralb.* No. 22.

Council of Heads of Australian Herbaria

REPORT ON THE THIRTEENTH ANNUAL MEETING OF THE COUNCIL OF HEADS OF AUSTRALIAN HERBARIA HELD IN ADELAIDE ON 2ND AND 3RD OCTOBER 1985

The heads of the nine major government herbaria met in Adelaide together with observers from New Zealand (Pat Brownsey from WELT) and the Council of Museum Directors (Lester Russell from the S.A. Museum). Peter Bridgewater (ABRS) also attended for one afternoon. The Chairman was John Jessop. The following were some of the topics discussed.

1. Progress with planning for a one week taxonomic course at BRIU aimed at junior graduate botanists. This will be held in the middle of 1986.
2. Curatorial problems included the loss of specimens in transit between herbaria and the restrictions imposed in some States by quarantine regulations.
3. A nomination was made for the 1987/88 Australian Botanical Liaison Officer (yet to be announced).
4. Discussion of reports from member herbaria revealed a number of problems with lack of suitable accommodation and of staff.
5. Of major importance is the impact and question of controls on electronic data basing of herbarium label data. Most herbaria are well into this field and there was a feeling that it was not necessarily desirable that data, once in a computer data base, should be freely accessible without the knowledge and approval of the herbaria owning the specimens. It was, therefore, resolved: "that in respect to computer data banking of specimen label data: (1) a herbarium by herbarium approach is preferable to a taxon by taxon approach across herbaria; (2) funds for data capture should not be added to grants awarded for taxonomic research unless specifically requested by the applicant and approved by the officer's institution: and (3) data captured from borrowed specimens should not be passed onto a party outside the borrower's institution without the express permission of the lending institution.
6. The incoming Chairman is Dr Barbara Briggs (from 1st January).

J. Jessop
Chairman, CHAH

Report from the Bureau of Flora and Fauna

1. The Bureau has received a number of requests for the publication of a revised Key to Families and an updated Glossary from Volume 1 of the Flora of Australia. There are no immediate plans to print a new edition of Volume 1, however, there are plans to issue a revision of the Key to Families and Glossary as one of the Australian Flora and Fauna Series. To this end we would appreciate comments from users. Please supply us with errors, recommendations, and/or notes on those portions of the Key with which there is difficulty. (Have you tried to key out *Xanthorrhoea*?)
2. As noted in Biologue No. 3, "it is a major concern that some manuscripts for the Flora of Australia are still submitted incomplete or in the wrong format. The Guide for Contributors was prepared and a copy sent to each

contributor in order to avoid this happening. A badly presented manuscript adds greatly to the workload of the small editorial staff and is a significant factor in the delays affecting the Flora program." Unfortunately, the delays also automatically increase the cost of production.

"All contributors are asked to READ and FOLLOW the Guide and ensure that their manuscripts conform to the required format."

A checklist to assist with manuscript preparation is available. If you do not have one and need it please write to the Executive Editor requesting a copy.

3. Many contributors to the Flora of Australia are finding difficulty keeping to the 100 word limit for the descriptions. We have noted (as a generalisation) that not many contributors are making effective use of the notes section in descriptions. Contributors are encouraged to use this section for additional information (e.g. aboriginal usage) and discussion of taxonomic matters such as affinities and variation.

4. Contributors are encouraged to submit manuscripts on disk or in suitable format for an optical character reader (OCR).

A manuscript produced on any DEC or IBM-compatible micro-computer can be sent to us on a single-sided disk.

If you have access to a letter-quality printer with Courier 12 or 72 typeface (with a new ribbon) we can enter the manuscript on an OCR. For further details please contact David Berman or Chris Curtis on (062) 46 7497.

5. Several volumes of the Flora of Australia are currently running through the editorial process. Volume 46 is with the printers and we expect it to be published in the first half of 1986.

Volume 45, which has 21 contributors, is well along the line in the editorial process except for the three manuscripts from contributors who have not met their deadlines. We plan for this Volume to be published in 1986.

For Volume 3 we have all external manuscripts in hand. Manuscripts have been received for Volumes 5, 17, 18, 19, 47, 48, 49 and 50.

6. Volume 25 of the Flora of Australia, and Southern Australian Liverworts (G.A.M. Scott) and Phytogeography of Eucalyptus (A.M. Gill, L. Belbin and G.M. Chippendale) (both in the Australian Flora and Fauna Series) should be published in December. In preparation in the AF & F Series are an Index to Lichen types (R.B. Filson) and a Census of Australian Bryophytes (H. Streimann).

Roger Hnatiuk
Assistant Director,
Flora

ABRS REPORT

The Minister for Arts, Heritage and Environment, Mr Barry Cohen, has announced the 1986 grants under the Participatory Program of the Australian Biological Resources Study. Funds for the Program were \$930,000, an increase of 7.5% over 1985. When announcing the grants the Minister said, "the funds will support 62 projects to describe and study native flora and fauna, and particularly aid the publication of the Flora of Australia, Fauna of Australia, and the Zoological Catalogue of Australia. Findings will be of great value in resources management, conservation and recreation planning."

A list of the flora-related grants is given below:-

Investigator	Institution	Project Title	\$
Barlow, B.A.	Australian National Herbarium	A taxonomic revision of the genus <i>Melaleuca</i> L.	27,100
Beaton, G.	Melbourne	A taxonomic study of Victorian Pyrenomycetes, Discomycetes hypogeous Ascomycetes & Gasteromycetes	500
Bell, G.H.	State Herbarium of South Australia	Revisional study of Pottiaceae (Musci: Bryophyta) in Australia	11,544
Chinnock, R.J.	State Herbarium of South Australia	Revision of <i>Myoporum</i> Forster f.	11,544
Eichler, H.J.	Australian National Herbarium	Taxonomic revisions in Ranunculaceae, Zygophyllaceae and Apiaceae in Australia	4,500
Elix, J.A.	Australian National University	A taxonomic revision of the lichen genus <i>Leptogium</i> in Australia	10,500
Foreman, D.B.	National Herbarium of Victoria	A revision of the genera <i>Isopogon</i> and <i>Petrophile</i> in Australia	10,959
Forman, L.L.	Herbarium, Royal Botanic Gardens, Kew	Check list and Flora accounts Christmas Island (Indian Ocean)	14,800
Green, P.S.	London	Floras of Norfolk and Lord Howe Islands	8,000
Guymer, G.P.	Queensland Herbarium	A taxonomic revision of <i>Austromyrtus</i> and allied genera (Myrtaceae - <i>Myrtus</i> and <i>Cryptorhiza</i> alliances of Johnson & Briggs) in Australia	7,414
Haegi, L.	State Herbarium of South Australia	Treatment of <i>Hakea</i> (Proteaceae) for <u>Flora of Australia</u>	38,000
Hopkins, A.J.M.	Western Australian Wildlife Research Centre	Western Australian Proteaceae - ABIS data preparation and entry	7,500
Hopper, S.D.	Western Australian Wildlife Research Centre	Banksia Atlas	35,000

Investigator	Institution	Project Title	\$
Johnson, L.A.S.	National Herbarium of New South Wales	Revision of the Eucalypts	25,000
Jones, D.L.	Brisbane	Orchid genera for Australian Flora	13,500
Maslin, B.R.	Western Australian Herbarium	Extraction and recording of herbarium label data for <i>Acacia</i> specimens at Herb. PERTH	20,000
Maslin, B.R.	Western Australian Herbarium	The elucidation of new and poorly known species of <i>Acacia</i> with special reference to section Phyllodineae	23,948
Powell, J.M.	National Herbarium of New South Wales	Geographical distribution patterns of the Stypheliaceae (Epacridaceae)	11,690
Powell, J.M.	National Herbarium of New South Wales	Taxonomic revision of the genus <i>Leucopogon</i> (Epacridaceae)	28,956
Rambold, G.W.	Institut fur Systematische Botanik	Monograph of the lichen genus <i>Lecidea</i> s.l. (incl. e.g. <i>Lecidella</i> , <i>Porpidia</i> , <i>Rimularia</i> , <i>Schaereria</i> , <i>Trapelia</i> and <i>Tremolecia</i>) of Australia (excl. Tasmania)	4,500
Ramsay, H.P.	University of New South Wales	Taxonomic revision of Australian Sematophyllaceae	4,880
Randell, B.R.	University of Adelaide	Revision of the Cassiinae in Australia	15,500
Ross, J.H.	National Herbarium of Victoria	Taxonomic revisions of the genera <i>Bossiaea</i> Vent. and <i>Hovea</i> R.Br. (Fabaceae - Tribe Bossiaceae)	7,707
Scott, G.A.M.	Monash University	A taxonomic revision of <i>Fossombronia</i> and other Liverwort genera in Australia	23,317
Short, P.S.	National Herbarium of Victoria	Biosystematic studies in Australian Gnaphaliinae (Compositae: Inuleae)	12,000
Simon, B.K.	Queensland Herbarium	Manuscript preparation for the <u>Flora of Australia</u> for the Poaceae (tribe Andropogoneae) (with the exception of the genera <i>Iseilema</i> and <i>Sorghum</i>)	13,900
Stone, I.G.	University of Melbourne	A taxonomic revision of Australian tropical moss genera (Bryophyta)	5,360

Investigator	Institution	Project Title	\$
Tindale, M.D.	National Herbarium of New South Wales	Taxonomic studies in the Australian species of <i>Acacia</i>	19,010
Thompson, J.	National Herbarium of New South Wales	Revisionary studies in <i>Swainsona</i>	22,000
Trudgen, M.E.	Perth	Revisionary studies: <i>Backea</i> complex	7,135
West, J.G.	Australian National Herbarium	Taxonomic studies in Caryophyllaceae in Australia	3,540
Wilson, K.L.	National Herbarium of New South Wales	<u>Flora of Australia</u> treatment of Polygonaceae	10,000
			459,304

Notes from Council Meeting

Adelaide, 4 October, 1985

Present: B.A. Barlow, B.G. Briggs, R.D. Henderson, M.D. Crisp, L. Haegi.

Apologies: P.S. Short (absent overseas at the time the meeting was called, and held).

Incorporation of the Society: Michael Crisp was appointed 'authorized officer' (as required under the Associations Incorporation Ordinance of the A.C.T.) to begin incorporation procedures in February 1986. This would ensure that constitutional changes and ratification could be considered at the next A.G.M. Rod Henderson is chairing a co-opted committee looking into alterations required in the Constitution.

Alpine Symposium: Bryan Barlow reported that publication of the proceedings of the symposium was well underway and that it was likely camera-ready copy would be ready to submit to CSIRO publications section by the end of the year.

Tropical Symposium, Brisbane, August 1986: This is the subject of separate notices in the Newsletter. Council decided to invite with assistance for travel, Dr Peter Ashton, Director of the Arnold Arboretum, to attend as a keynote speaker. Dr Ashton has since agreed to attend.

Federation of Australian Scientific and Technological Societies: In anticipation of an inaugural meeting on 12 November, 1985 to establish this Federation, Council decided unanimously that ASBS should join this body as a founding member Society. At an initial annual fee made up of \$2.50 per head of membership for each member society, the Federation provides high-level representation of the scientific community with the resources to bring science issues to the attention of government and the public at large. One such issue already referred to FASTS by ASBS is that of concern about proposed changes in the administration of the Australian Research Grants Scheme.

Next Council and General Meetings: In conjunction with the ESA/ASBS Symposium in Brisbane, 25-27 August, 1986.

Laurie Haegi
Secretary

CHANGE OF NEWSLETTER EDITOR

The congratulations of ASBS members go to our current Editor, Gordon Guymmer, who has been chosen as Australian Botanical Liaison Officer at Kew (Britain) for the 1986-87 term. Unfortunately this commitment has meant that Gordon will be unable to continue as Newsletter Editor, and this is the last issue he is producing. We heartily thank Gordon for his efforts over the last 3½ years in producing a well-presented, informative and interesting Newsletter. He has set a high standard to be followed.

Members will be pleased to learn that Helen Hewson of the Australian Bureau of Flora and Fauna and currently convener of the Canberra Chapter of ASBS has kindly agreed to take on the task of editing the Newsletter from the beginning of 1986. Please support Helen by contributing to your Newsletter.

Laurie Haegi

VISITING BOTANISTS

The following botanists will be visiting Australia in February 1986 as guests of ASBS and as participants in the Boden Conference on the systematic status of large flowering plant genera.

1. Dr Charles Jeffrey, Royal Botanic Gardens, Kew. Dr Jeffrey has made important contributions to discussions on the concept of the genus, and to systematics of Cucurbitaceae and Asteraceae.
2. Dr Harold Robinson, United States National Herbarium, Washington. Dr Robinson has an international reputation for his work on generic limits in Asteraceae.
3. Dr Howard Irwin, Clark Garden, New York. Dr Irwin has made very significant contributions to systematic knowledge in *Cassia* sens. lat.
4. Dr Colin Webb, Botany Division, DSIR, Christchurch. Dr Webb's work in breeding systems in a wide range of taxa and environments is well known in Australia. He has contributed to the systematics of Apiaceae.

If any individuals or institutions would like to arrange visits by any of these botanists, arrangements can be made by contacting Bryan Barlow, Australian National Herbarium, GPO Box 1600, Canberra, ACT 2601 (phone 062 - 465 904). Council of ASBS hopes that all members of the Society may be able to benefit from the visits of these distinguished scientists to Australia. Conversely, it may provide a much more rewarding stay in Australia for the

visitors if we can offer an itinerary which includes several centres. It should be possible to arrange seminars if adequate lead time is allowed. One of the functions of ASBS should be to encourage visiting specialists, and in this instance local Chapters may be able to hear reports and impressions on the Boden Conference from the overseas participants.

Bryan Barlow

FAREWELL ADW

As a result of a review of the Agronomy Department, it has been decided not to continue the position of Botanist in the Agronomy Department, Waite Agricultural Research Institute, Adelaide. It may be replaced by a half-time research officer which is a general staff position. The herbarium (ADW) will be transferred to the State Herbarium at the Botanic Garden, Adelaide (AD). Any material cited for ADW should be sought there.

This short sighted and expedient decision comes at a time when the Agronomy Department intends to increase its work on weeds and when there has been a contraction in taxonomic services available in the State due to the retirement and non-replacement of others, e.g. C.R. Alcock, Pest Plant Com., L.D. Williams, Land-Sat Unit.

A brief history of the Herbarium (ADW) is given below and is taken, in part, from an article written for the Waite Institute Biennial Report 1982/83, where readers will also find a bibliography not repeated here.

A Taxonomic Botanist has been on the staff of the Waite Institute since 1933. The following persons have been employed:

C.M. Eardley	1933-1949	Curatrix of the herbarium
G.H. Clarke	1936-1939	Botanist
N.T. Burbidge	1943-1946	Assistant Agronomist
E.L. Robertson	1948-1953	Assistant Advisory Services
F.M. Hilton	1953-1955	Systematic botanist
D.E. Symon	1957-1985	Systematic botanist

The work conducted can be listed under the following principal headings:

1. Botanical services
2. Curation of the Herbarium
3. Management of the Arboretum
4. Appropriate botanical research and teaching.

1. Botanical Services

Each botanist provided an advisory service to the staff in the form of identifying plants and checking names in scientific papers.

Until the State Herbarium was re-established at the Botanical Gardens in 1957 the botanist at the Institute provided a formal taxonomic service to the South Australian Department of Agriculture.

2. The Herbarium

The Adelaide Waite Institute Herbarium (ADW) was started by A.B. Cashmore in 1930, when on a CSIR studentship. The collection grew slowly at first but

increased greatly in the early 1940's when the Morris collection from the estate of Mr Albert Morris of Broken Hill was donated to the Institute. All botanists have contributed to the collection. Policy was to concentrate on accession of southern Australian plants and on weedy and agricultural plants.

These collections assisted in identification and were relevant to the work of the Institute and to the research programme of the present botanist. Some exchanges with overseas herbaria have been made. Duplicates from ADW have been sent in particular to Kew (K) and to Canberra (CANB) and, where possible, to people known to be interested in particular taxa. The collection is about 55,000 sheets and will now be transferred to AD.

3. The Waite Arboretum

One of the conditions of Mr Peter Waite's will was that a public park of 27 ha (63 acres) should be maintained. The Waite Arboretum was established under this provision. At present there are 1,500 trees representing 202 genera and 770 species in the collections.

The Arboretum is open to the public, without charge, during the hours of daylight throughout the year. It is used by the general public to a limited extent, but the cognoscenti, specific groups such as City Council gardeners and the Woods and Forest Department make regular use of it. The Arboretum thus provides a very valuable contact with the community. The collection is used at irregular times by interstate research workers wanting special plant samples. For these purposes wood samples, leaf samples and pollen for chemical analysis, herbarium specimens and cut flowers have all been supplied.

Quite apart from the University's obligations under Peter Waite's will to maintain a public park, the collection will become increasingly valuable with age as the survival under local conditions (without watering) of so many species is both tested and appreciated. Its supervision is at present undecided.

4. Research and Teaching

Miss Eardley was a collaborator in the extensive ecological work of R.L. Crocker and N.S. Tiver in the south-east of South Australia. She was responsible for identifying most of the species. Her own interests were expressed in a series of papers on the ecology of sites in the south-east of the State and several on individual weeds. Following the C.T. Madigan crossing of the Simpson Desert in 1939 in which Crocker was botanist, Miss Eardley published on the plants of the Desert and made a series of studies comparing desert areas of the world.

Mr G.H. Clarke wrote a series of papers on weed species published in the *Journal of Agriculture of South Australia*. These were subsequently reprinted as a booklet "Important Weeds of South Australia".

Miss N.T. Burbidge was employed as an Agronomist. While in South Australia she published work already completed in Western Australia on the morphology and anatomy of *Triodia* (Spinifex) and then embarked on studies of the germination and establishment of the Australian Chenopodiaceae (salt-bushes and bluebushes). The only taxonomic work done, for which she became well known later, was a key to the species of *Eucalyptus* in South Australia. She contributed little to the Herbarium.

Mrs E.L. Robertson was responsible for the taxonomic background to the paper by Dr Abele on the cytology of *Danthonia*. She collected and grew virtually all the plants he studied. During this period many plants were identified from the Weapons Research Organisation at Woomera, for the CSIRO Division of Soils, for their surveys in South Australia and for the Animal Industry Branch in the Northern Territory. With the appointment of Mr H. Orchard as Weeds Adviser to the Department of Agriculture formal advisory work to the Department ceased.

Mrs Robertson also added to the Herbarium many plants collected by her family when building up their garden of Australian native plants at "Wittunga" in Blackwood and she was active in advisory work and in the Arboretum.

F.M. Hilton embarked on work on the genus *Stipa* (Spear grasses). He enriched the herbarium with collections of *Stipa* and other species but left before completing any papers.

D.E. Symon followed F. Hilton in 1957. Under his regime the herbarium has quadrupled in size. He has had a greater influence on the Arboretum than any of the previous botanists and has been responsible for a more consistent policy of plant introductions. Academic work includes revisions of the genus *Cassia* and papers on *Oxalis* and plants of the Simpson Desert. Many determinations and floristic lists for the surveys done by the Nature Conservation Society of South Australia have been a considerable contribution to the knowledge of our Parks and areas of conservation interest. Work on the important botanical family Solanaceae has produced a substantial revision of *Solanum* and related genera in Australia. Numerous subsidiary papers have contributed to knowledge of the biology of the genus. With two colleagues funded by grants from the Bureau of Flora and Fauna the whole of the family has been revised in Australia and these efforts culminated in the first taxonomic volume of the new Flora of Australia (Vol. 29) which was published in 1982.

The position of taxonomic botanist has then contributed to many phases of the work of the Institute and there is still need not only for keeping the staff on the straight and narrow path of taxonomic rectitude but for continuing taxonomic research relevant to agriculture.

D.E. Symon

Chapter News

ADELAIDE CHAPTER - Summary of Meetings for 1985

27th February: Mr Bob Bates well known South Australian Orchidologist, presented an extremely well illustrated and lucid seminar on Pollination Syndromes and the Taxonomy of Australian Terrestrial Orchids. Much of what Bob spoke on was based on long hours of painstaking observation in the field, significantly extending knowledge recorded in the literature.

27th March: With the Boden Conference in the planning stage, a small series of seminars on the concept of the genus was arranged. This was introduced by Dr A.A. Munir (The generic concept in family Chloanthaceae) and Dr R.J. Chinnock (The genera of the Myoporaceae), both of the State Herbarium. The vigorous discussion which ensued showed that this subject is very much alive.

24th April: Continuing the generic concept debate, Dr B.R. Randell (Botany Dept., University of Adelaide) argued very convincingly that, 'Cassia and Senna (Caesalpinaceae) are Generically Distinct'. Barbara went on to suggest that there was a theoretical basis to the recognition of taxa at different ranks, as evidenced by differing trends of distinctions in vegetative, reproductive and genetic features.

29th May: 'Determining the Identity of Plants Referred to in the Bible' was the subject of a fascinating talk by Mr Tony Whitehill of the Botanic Gardens of Adelaide. Although this unusual aspect of systematic botany has been the subject of various publications, there are still riddles on the use of some plant names to be solved.

26th June: Surrounded by disc drives, keyboard, VDU, switchboard and extension cables, Dr R.C. Foster, a CSIRO Electron Microscopist, spoke on 'Home Computers in Amateur Botany' and demonstrated his interactive key to much of the South Australian flora. Dr Foster's programmes managed to key out various unknown specimens to families or species close to their actual identities: it was clear that shortcomings were primarily a result of inadequacies of the botanical literature on which the programmes were based.

31st July: Members were treated to a visual feast of rare and early botanical works on a visit to the Rare Book Collection of the State Library. Librarian Miss Valmai Hankel introduced the display which included a copy of a 1480 edition of Pliny's Natural History (largely based on the writings of Theophrastus), the oldest book held by the Library.

28th August: Mr David Greenwood, Ph.D. student of the Botany Department, University of Adelaide, spoke on 'The Splitting of *Podocarpus* and *Dacrydium* (Podocarpaceae): Support from Biogeography and the Fossil Record'. David showed that where the morphological basis of separating genera may have been in some doubt the combined distributions of fossil and extant taxa were consistent with a pattern of independent evolution of the segregates.

25th September: 'Australia's Golden Heart: An introduction to the Diversity within Major Groups of *Acacia* in the Arid Zone' was the title of a polished presentation combining a broad, detailed factual basis carefully balanced with a measure of speculation, contributed by ambushed visitor from the Western Australian Herbarium, Bruce Maslin.

2nd October: Judging from the level of conversational noise maintained throughout the evening, an informal buffet dinner held by the Chapter at the Haegi's to entertain visiting members of the Council of Heads of Australian Herbaria, proved a highly successful and communicative event.

30th October: An extremely interesting and informative account representing countless hours of research in the field and library, and skillfully described in historical context, was presented by Ralf Grandison on his very successful efforts in 'Rediscovering the collecting localities of Ferdinand Mueller's 1851 Excursion to the Flinders Ranges'. Apart from its historical interest, this information contains important details relating to the typification of many early Mueller names.

29th November: David Symon: ADW's Loss is AD's Gain. The final meeting of the year was held in the form of a barbecue at the home of Joe and Ranka Weber. On this very enjoyable occasion it was our pleasure to fete David Symon at the time of his impending retirement after 34 years of service at the Waite Institute. David is well known for his work on Solanaceae and *Cassia*, his wide knowledge of the indigenous and naturalized Australian flora and his enthusiastic interest not only in botanical

systematics but also in botany, horticulture and biology generally. He has always been an ardent supporter of the Society both as a prolific contributor to the Newsletter and as a regular attender and speaker at activities of the local Chapter. We were treated to interesting and entertaining accounts of the earlier times and the more recent highlights of David's career by Enid Robertson and John Jessop respectively. We all join in wishing David well in what we anticipate is to be a botanically very active retirement: he is soon to become an even more familiar face around the State Herbarium. Reports are that the Waite Institute is not appointing another botanist and as a consequence, David is bringing the ADW herbarium with him!

At this meeting we also welcomed back Robyn and Bill Barker and family who had just returned after an overseas absence of 8 months on duty based at Kew and elected Dr Barbara Randell as Convener for the next two years.

Laurie Haegi

Book Review

To sail beyond the sunset. Natural History in Australia 1699-1829: Finney, Colin M. (1984). (Rigby) 1985 206 pp. Price \$20.00.

In drawing attention to this book, I have to admit that to date I've only read about 80 pages in detail and have scanned the rest but it is clearly a 'must' for anyone interested in Australian natural history. The book deals chronologically with the history of the discovery of our native flora and fauna and consists of ten major chapters:

1. Discovery 1699-1777
2. Van Diemens Land and the western coast of New Holland: 1788-93
3. Establishment of the British Colony, the initial years: 1788-92
4. Establishment of the British Colony - survival assured: 1793-99
5. The continent defined: the voyage of the Investigator: 1800-01
6. French exploration - Nicholas Baudin and Le Geographe: 1802
7. Settlement and expansion in Van Diemens Land: 1803-10
8. Penetrating the Interior: 1811-18
9. Coastal exploration - British and French: 1819-21
10. The infrastructure of natural history: 1821-28

There is also an informative introduction, an epilogue, both a scientific and general index and a 'Notes' section. The latter is in fact a full citation of the references which are referred to by number in the general text. Too frequently the more popular history books, e.g. Kyanston's "A man on edge" fail to accurately cite their sources of information. Finney has "tried to avoid the use of anecdotal material" throughout the book and this is one of the most pleasing features of the publication.

The text is not limited to an account of the various expeditions to our shores but also deals with the history of publication of books and journals of the armchair scientists in Europe, e.g. James E. Smith, the travelled scientists, e.g. Robert Brown and La Billardiere, and the artists such as Ferdinand Bauer, George Raper and John Doody whose works often accompanied the various accounts of our flora and fauna.

The book also contains a collection of over 100 illustrations, both colour and black and white, which are reproductions of works by artists such as the abovementioned. Some illustrations are of previously unpublished works e.g. a painting by John Lewin of the Ground Parrot. It is regrettable that some of the illustrations used carry the stamp of the museum or library which provided them. However, in many cases they were the only illustrations readily available in Australia and it is just unfortunate that "even with today's technology the Publishers have been unable to remove the stamps."

There seem to be few errors in the book. I've noted several:

- p. 32, 33 - the captions referring to the paintings of *Hormosira banksii* and *Ecklonia radiata* need to be reversed
- p. 35, 166 - the native celery, *Apium prostratum* is referred to as native parsley
- p. 71 - the caption should not refer to Smith's but Shaw's 'Zoology of New Holland'.

Regrettably the book has been poorly distributed by Rigby, and Colin Finney has recently purchased the entire stock. It can be obtained directly from Colin for the most reasonable price of \$20 (plus postage) per copy.

Address: Mr C.M. Finney,
Museum of Victoria,
328 Swanston Street,
MELBOURNE. Vic. 3000

Cheques to be made out to 'C.M. Finney'. Cost \$20 plus \$4.00 for postage.

Philip Short

JOHN SPENCER WOMERSLEY 1920-1985

It was with a sense of considerable loss that the botanical community in Australia learnt of the death in Sydney on 2 September, of their colleague John Womersley after a short illness*. They may have known he had come to Australia from England in 1930 and, two years later as a 12 year old, went to Adelaide High School, then the University of Adelaide and South Australian Teachers' College. His first job as a teacher lasted about 18 months; he then joined the CSIRO Division of Soils.

In June 1946 he was offered the position of Forest Botanist with the Provisional Administration of Papua and New Guinea, and in August arrived in Lae. During the next 29½ years John lived in Lae, became Assistant Director, Division of Botany, of the Department of Forests, and expanded the 2000 or so botanical collections of the Australian Army Forestry Company to in excess of 250,000 as the National Herbarium. He developed the National Botanic Garden at Lae. With his wife Mary he raised five children.

* The date and place of John's death and the duration of his illness was incorrectly stated in the last Newsletter. Ed.

There are few contemporaries who travelled so widely in Papua New Guinea, much of it on foot. He also visited the Solomon Islands adjacent and Dutch New Guinea, as it was then called. Many overseas contacts, scientific and otherwise, benefitted from John's intimate knowledge of the geography, natural history and people of Papua New Guinea: close links were made with colleagues in Indonesia, Singapore, Malaya and Thailand and these countries visited frequently.

John's interest in showy species suitable for display in gardens or botanic gardens included a detailed appreciation of the genera *Rhododendron*, *Begonia*, *Hoya* and *Tecomnanthe*, their cultural requirements and where they could be located in the forest. Many groups of scientists enjoyed John's leadership on field excursions, and in 1971 he was a chief organiser for the Australian and New Zealand Association for the Advancement of Science Congress held in Port Moresby: he organised all conference tours.

He inaugurated the Division of Botany publication programme, and was the author of numerous books and papers including being a major contributor to the Encyclopaedia of Papua New Guinea. He was a Trustee and Board Member of the National Museum, was Councillor and President of the Papua New Guinea Scientific Society and, characteristically, a member of Lae Town Council! Only in his retirement in Adelaide did I come to know John and learn to admire his unflagging enthusiasm for matters botanical. The U.N. Food and Agriculture Organisation engaged him on consultancies in Bangladesh and Cameroon: the Singapore Government sought his advice, and Bougainville Copper asked his advice on revegetation of mine tailings. The P & O shipping line engaged the services of both John and Mary as experienced escorts and lecturers on their Pacific cruises.

His obvious affection for Papua New Guinea was regularly satisfied with tours he organised on behalf of the International Horticulture Congress held in Sydney in 1980, and two Australian Rhododendron Society tours to Papua New Guinea in 1981 and 1983. In 1984 he organised a tour and escorted Friends of the Botanic Gardens of Adelaide to Papua New Guinea. He was vice-President of the Friends, President of the Royal Society of South Australia and active in the work of these and other organisations.

He was working with Dr Bob Withers on *Vireya* section of *Rhododendron* in anticipation of a book on the group. He was co-operating with Dr Nancy Bowers of the Department of Anthropology, University of Auckland on *Saccharum edule*. He had recently completed the work of supervision of 'Friends' volunteers in the State Herbarium of South Australia, permitting publication of the first two editions of a computerised census of the South Australian flora.

I already miss his large frame and jovial comments. I am sorry he will not see the new tropical conservatory completed in the Adelaide Botanic Garden, a project for which he was a staunch advocate from the very beginning, but a number of the tropical plants he introduced will certainly be growing inside giving public pleasure for many years to come.

Brian Morley

Notices

WATTLE BIOLOGY

Dr David Murray of the University of Wollongong is writing a book on 'The Biology of Australian Acacias' and is interested to hear from anyone with relevant information, either published or unpublished. Anyone wishing to co-operate with Dr Murray should communicate directly with him at the following address:-

Dr D.R. Murray,
The University of Wollongong,
P.O. Box 1144,
WOLLONGONG. N.S.W. 2500

A.B.C. SCIENCE PROGRAMMES - RADIO AND TELEVISION

Members are invited by Professor R.D. Brown, Chairman of the A.B.C. Advisory Committee on Science and Technology, to send in comments on their favourite (or other) science programmes on A.B.C. radio (Technology Report, The Science Show, Ockham's Razor, Science Bookshop, Science Review, Science Talkback, Warmboot) or television (Quantum). Professor Brown writes:-

At present it seems that the A.B.C. tends to receive letters or telephone calls from just a few particularly active listeners or viewers and so the responses may not represent a good cross section of audience attitudes. I am most anxious to encourage members of the scientific community to communicate with the Committee so that we can digest the opinions and comments and pass on such information. Naturally, some people might prefer to communicate directly with the A.B.C. and we would not wish to inhibit this in any way, but apart from acting as a communication channel my Committee is anxious to inform itself of community views so that it can function still more efficiently as an Advisory Committee.

The contact address is:-

Professor R.D. Brown,
Chairman,
A.B.C. Advisory Committee on Science and Technology,
C/- Department of Chemistry,
Monash University,
Wellington Road,
CLAYTON. Vic. 3168

INTERNATIONAL ORGANIZATION OF PLANT BIOSYSTEMATISTS

The Executive and Council of the International Organization of Plant Biosystematists (IOPB) will meet during the IOPB 1986 Symposium, "Differentiation Patterns in Higher Plants", Zurich, Switzerland, 13-18 July, 1986. Anyone wishing to place an item on the agenda for discussion should write to Dr Liv Borgen, Secretary, IOPB, Botanical Garden and Museum, Trondheimsveien 23B, N-OSLO 5, NORWAY.

Information on participation may be obtained from the Chairperson, Dr Krystyna Urbanska, Geobotanisches Institut, ETH, Stiftung Rubel, Zurichbergstrasse 38, CH-8044 ZURICH, SWITZERLAND.

IOPB publishes the IOPB NEWSLETTER. Information for the IOPB NEWSLETTER may be sent to the Editor, Dr Krystyna Urbanska.

Application forms for membership in IOPB may be obtained from the Secretary by sending US \$25 (for the period 1983-1987) directly to the Secretary-Treasurer of IOPB, Dr L. Borgen at the above address.

ACADEMIA SINICA EXCHANGE AGREEMENT 1986/87

A scientific exchange agreement between the Australian Academy of Science and Academia Sinica (Beijing) has been in operation since 1977. Applications are invited from scientists wishing to participate in the 1986/87 programme.

The Academy funds exchanges in the field of natural science. Applications from individual scientists or groups (up to a maximum of six in number) should have a specific programme or project in mind, preferably one that has been developed in consultation with the Academia Sinica Institutes which applicants wish to visit. Visits may be short-term (3 to 4 weeks) exploratory or fact-finding visits or long-term (up to 12 months) visits to carry out joint research work or field studies.

Under the terms of the agreement, travel expenses to and from China are the responsibility of the Academy, and expenses within China are the responsibility of Academia Sinica. The Australian side of the agreement is funded by the Commonwealth Government.

Application forms and a list of Academia Sinica Institutes are available from the Academy. Scientists interested in participating in the 1986/87 programme should write to: International Relations Section, The Australian Academy of Science, GPO Box 783, Canberra, A.C.T. 2601.

Applications must reach the Academy by 1 February, 1986. For enquiries please telephone (062) 47 3966.

JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE EXCHANGE AGREEMENT 1986/87

The Australian Academy of Science invites applications from scientists resident in Australia to participate in an exchange programme with the Japan Society for the Promotion of Science. Applications will be considered from biological and physical scientists for short-term visits and for post-doctoral fellowships.

Senior scientists may apply for short-term visits which will not normally exceed four weeks. The purpose of the visits is to exchange lectures, information and ideas between scientists in the two countries.

For short-term visits, the Academy provides APEX international airfares and the Japan Society for the Promotion of Science provides maintenance allowances and the cost of travel within Japan.

Scientists who have less than five years of post-doctoral experience may apply for fellowships to visit Japan for six to twelve months.

For fellowships, the Academy provides APEX international airfares and the Japan Society for the Promotion of Science provides remuneration.

Scientists interested in participating in the exchange programme in the 1986/87 financial year may obtain more information about the programme and application forms from: International Relations Section, The Australian Academy of Science, GPO Box 783, Canberra, A.C.T. 2601.

Applications must reach the Academy by 1 February, 1986. For enquiries please telephone (062) 47 3966.

1985 INDEX

Australian Systematic Botany Society Newsletter

INDEX TO NUMBERS 42-45

- ABRS Grants 1986, 45: 8-10
 ASBS:
 Council Meeting Report, 45: 6
 Minutes of 9th General Meeting,
 42: 1-6
 Aston, H.I.: Nymphoides search in
 South Australia, 43: 25
 Australian National Botanic Gardens,
 42: 17-18
 Barlow, B.: Publication of Taxonomic
 Research in Australia, 42: 8-11
 Bedford, D.: A clarification of the
 correct citation of NSW specimens,
 43: 24
 Book Reviews:
 A Biology of Acacias by T.R. New,
 43: 26-27
 Eucalyptus 1 by D.J. & S.G.M.
 Carr, 44: 12-14
 To Sail beyond the Sunset. Natural
 History in Australia 1699-1829 by
 C.M. Finney, 45: 16-17
 Brennan, Pat (1917-85), 44: 16
 Brownsey, P.J.: A plea for better
 collection & curation of large
 ferns, 43: 17-19
 Bureau of Flora & Fauna Report,
 43: 22, 44: 7, 45: 6-7
Carpobrotus - anybody interested?
 43: 24
Ceratocephalus pungens, 44: 10-11
 CHAH Meeting Report, 45: 6
 Chapter News: Adelaide 45: 14-16
 Canberra, 42: 13, 43: 23
 Melbourne, 43: 22, 44: 8-9
 Perth 43: 22-23, 44: 8
 Sydney, 42: 12-13
 Connor, H.E.: The effect of
 Australian Dicotyledons on
 the Taxonomy of the Angiosperms,
 43: 1-15
Cupania cordieri F. Muell., 43: 21
 Deaths, 44: 11
 Ecology of the Australian Wet
 Tropics Symposium, 42: 19,
 43: 27
 Flora of Australia:
 Reports 43:22, 44:7, 45:6-7
 Spelling of Possessive Place Names,
 44: 8
 Flora of Central Australia (update),
 44: 9
 Flora of North America, 42: 18
 Garnock-Jones, P.: Please look for
 Ceratocephalus in Australia, 44:
 10-11
 Henderson, R.J. & S.T. Reynolds:
 Synima & the Cordier brothers - a
 nomenclatural note, 43: 21-22
 Heyligers, P.C.: *Carpobrotus* -
 anyone interested?
Hypolepis, 43: 17-18
 Identification Manual Project at NSW,
 44: 9-10
 Kanis, A., reviewer: The Kew Magazine,
 43: 25-26
 Kenneally, K.F.: Plants collected by
 J.W.O. Tepper from Roebuck Bay,
 SW Kimberley & cited by J.G.D.
 Tepper in "The Flora of Roebuck Bay,
 W.A.", 45: 1-5
 Letters to the Editor, 42: 13-16
 Looker, M.: Cultivars, 43: 20-21
 Monteith, G.B.: Terrorist Tactics in
 Taxonomy, 44: 1-5
 Morley, B.: John Spencer Womersley
 (1920-85), 45: 17-18
 Mosses & Liverworts Course, 42: 16
 Nancy Burbidge Memorial Lecture (1985),
 43: 1-15
 National Concern on Science & Tech-
 nology, 44: 15-16
 News & Notices 42: 17-19
 Newsletter Editor's Report, 42: 2
 Notices, 45: 19-21
Nymphoides search in South Australia,
 43: 25
N. crenata, 43: 25

Paspalum distichum L. is not rejected, B.K. Simon, 44: 7

P. distichum L., 44: 7

P. paspalodes (Michaux) Scribner, 44: 7

P. vaginatum Swartz, 44: 7

Pedley, L., reviewer: *Eucalyptus* 1, 44: 12-14

Publications available from NSW, 42: 18-19

Short, P., reviewer: To sail beyond the sunset. Natural history in Australia 1699-1829, 45: 16-17

Simon, B.K.: What is the correct name for Kangaroo grass?, 43: 15-17

Simon, B.K.: *Paspalum distichum* L. is not rejected, 44: 7

Symon, D.E.: Farewell ADW, 45: 12-14

Symon, D.E., reviewer: A Biology of Acacias, 43: 26-27

Symposia:

Ecology of the Australian Wet Tropics, 42: 19-20, 43: 27-28

Nature surveyed: Natural History

Past, Present & Future, 44: 11-12

Origin & evolution of Australian

Alpine Biota, 42: 7-8

Synima, 43: 21

S. cordieri (F. Muell.) Radlk., 43: 21

S. cordierorum (F. Muell.) Radlk., 43: 22

Taxonomic research in Australia, publication, 42: 9-11

Themeda australis (R.Br.) Stapf, 43: 15-17

T. triandra Forssk., 43: 15-17

Treasurer's report, 42: 1-4

van Steenis, C.G.G.J.: The undesirability of splitting *Eucalyptus*, 42: 13-16

Womersley, John (1920-85), 44: 16, 45: 17-18

WWF-IUCN Plant Advisory Group Meeting (1984), 42: 17

The Society

The Australian Systematic Botany Society is an association of over 300 people with professional or amateur interest in Botany. The aim of the Society is to promote the study of plant systematics.

Membership

Membership is open to all those interested in plant systematics and entitles the member to attend general and chapter meetings and to receive the Newsletter. Any person may become a member by forwarding the annual subscription to the Treasurer. Subscriptions become due on the 1st January.

The Newsletter

The Newsletter appears quarterly and keeps members informed of Society events and news, and provides a vehicle for debate and discussion. In addition original articles, notes and letters (not exceeding ten pages in length) will be published. Contributions should be sent to the Editor at the address given below, preferably typed in duplicate and double-spaced. All items incorporated in the Newsletter will be duly acknowledged. Authors are alone responsible for the views expressed. The deadline for contributions is the last day of February, May, August and November.

Notes

- (1) The deadline for the next Newsletter is 28th February.
- (2) ASBS Annual Membership is \$13 (Aust.) if paid by 31st March, \$15 thereafter. Students (full-time) \$10. Please remit to the Treasurer.
- (3) Advertising space is available for products or services of interest to ASBS members. Current rates are \$30 per full page, \$15 per half page, Contact the Newsletter Editor for further information.

Mailing List

All address changes should be sent to the Treasurer or the Editor.

Editor

Dr. G.P. Guymer,
Queensland Herbarium,
Meiers Road,
INDOOROOPIILLY. Q. 4068

Typist: Terri Greenfield
Illustrator: Gillian Rankin

