

**Western  
Australian  
Herbarium  
Annual  
Report  
1979**



# WESTERN AUSTRALIAN HERBARIUM

## ANNUAL REPORT 1979

### INTRODUCTION

The work of the Herbarium, which is concentrated on the native flora of the State, continued in the principal areas of research, collecting and advisory services, as elaborated in the 1976 Annual Report and amended in the 1977 and 1978 Annual Reports.

The present report deals mainly with changes of detail for the period July 1978 to June 1979, such as new publications, new projects, projects completed and staff changes. Activities not mentioned can be assumed to be unchanged from the previous year.

### RESEARCH

#### Fundamental studies

#### 1. Projects completed

##### a) Flora

*Corynanthera*, A New Genus of Myrtaceae (Subfamily Leptospermoideae, Tribe Chamelaucieae). J.W. Green, *Nuytsia* 2(6), in press.

Revision of the Salicornieae (Chenopodiaceae). P.G. Wilson.

Check list of the naturalized Poaceae of Western Australia, G. Perry.

##### b) Survey

Vegetation Survey of Frank Hann National Park. D. Monk, R.J. Hnatiuk, A.S. George.

##### c) Morphology

A revised terminology for the spore-containing parts of anthers. J.W. Green, *New Phytol.* 84(2), in press.

##### d) General

Voucher specimens for published plant names. J.W. Green, *Search*, in press.

#### 2. Projects commenced

##### a) Flora

Revision of *Melaleuca* (Myrtaceae) in Western Australia. R.J. Hnatiuk.

Generic flora of Western Australia. P.G. Wilson and B.R. Maslin (Co-ordinators).

Typification of Robert Brown's Australian *Acacia* species. B.R. Maslin.

Census of The Vascular Plants of Western Australia.

J.W. Green.

Check list of the naturalized species of Asteraceae in Western Australia. G. Perry.

Revision of the genus *Calothamnus*. T.J. Hawkeswood (Graduate student, Univ. of W.A., J.W. Green joint Supervisor).

b) Survey

Biological Survey, Canning Stock Route. A.S. George (with A.A. Burbidge, R.E. Johnstone, A.S. Mitchell and A.N. Start).

c) Biochemistry

Cyanide production in *Acacia*. B.R. Maslin (with D. Seigler and E. Conn).

Expeditions and collecting trips

Albany (July 1978, November 1978, January 1979), Kalbarri (August 1978), Gingin (September 1978), Frankland River (October 1978), Canning Stock Route (April-May 1979). A.S. George (General collecting, *Banksia*).

Stirling Range-Albany-Bremer Bay (August 1978). J.W. Green (General collecting).

Exmouth (August-September 1978). G. Perry (mainly *Logania*).

Eneabba-Jurien (September 1978). N.S. Lander (Asteraceae).

Eneabba (September 1978, October 1978, April 1979, May 1979), Kalbarri (December 1978), Badgingarra (November 1978).

R.J. Hnatiuk (mainly *Eremaea*).

Ravensthorpe-Esperance (November 1978). J.W. Green (*Thryptomene*, *Micromyrtus*).

Carnamah (December 1978). J.W. Green (*Corynanthera*).

Wongan Hills-Southern Cross (January 1979). B.R. Maslin (*Acacia*).

Mitchell Plateau (February 1979), Broome-Cape Levique (September 1978), Wongan Hills (January 1979). K.F. Kenneally (General collecting).

Morawa (April 1979). P.G. Wilson (*Halosarcia*).

Munglinup (June 1979). B.R. Maslin, A.S. George (*Acacia*, *Rhizanthella*).

Committees

Australian Systematic Botany Society, Western Australian Chapter Committee. N.S. Lander.

The Tree Society, Vice-President, T.E.H. Aplin.

Australian Systematic Botany Society, council (to January 1979). A.S. George.

Seminars and Symposia

1. Herbarium Seminars

Flora adaptation to pollination in the Myoporaceae.

R.J. Chinnock, State Herbarium, Adelaide, November 1978.

Rodent pollination in African Proteaceae. D. Wiens, University of Utah, December 1978.

2. Annual Research Seminars

A one-day meeting was held on 29 June, 1979, at which research staff at the Herbarium presented a summary of their findings over the past twelve months.

### Committees

Dampier Salt Environment Study working group. R.J. Hnatiuk.

### Editorship

Nuytsia, Vol. 2, No. 5, containing one paper, was published. Western Australian Herbarium Research Notes No. 1 (containing 5 papers) and No. 2 (2 papers) were published.

### EXTENSION

#### Talks

Staff members gave a number of talks to students and other groups on aspects of the Western Australian flora. Groups of students were taken through the Herbarium.

#### Lectures

A series of 6 lectures on plant taxonomy. Wildlife Officer's Conference, Noalimba. T.E.H. Aplin and N.G. Marchant.

#### Extension Publications

- Aplin, T.E.H. (1979). The Flora in Environment and Science (Ed. B.J. O'Brien): 53-76. University of Western Australia Press, Nedlands.
- Aplin, T.E.H. (1979). The Vegetation of Western Australia in Western Australian Year Book No. 17 (Ed. W.M. Bartlett): 64-78. Government Printer, Perth.
- George, A.S. (1978). *Casuarina fibrosa* C.A. Gardner. In I.U.C.N. Plant Red Data Book: 125-126.
- Maslin, B.R. (1978). *Acacia aphylla* B.R. Maslin. In I.U.C.N. Plant Red Data Book: 255-256.

### STAFF

#### General

Mr. B.R. Maslin recommenced duties in the Herbarium in December 1978, after completing his term as Australian Botanical Liaison Officer at the Herbarium, Royal Botanic Gardens, Kew.

Mr. K.F. Kenneally took up his Churchill Fellowship, to study amateur participation in the collection of biological data, in May 1979.

Mrs. G. Perry was awarded the degree of Master of Science, University of Western Australia.

Mr. P.G. Wilson was promoted to Senior Botanist, level 4.

Mr. N.S. Lander was promoted to Botanist, level 2.

Miss C.M. Lynch was promoted to Laboratory Technician, Grade 2.

Miss K.D. Barker was promoted to Laboratory Assistant.

Miss S. Orr, Assistant Librarian, resigned her position and was replaced by Mrs. M.L. Wickham, Librarian.

Members of staff, as at 30.6.79 with main areas of responsibility

Dr. J.W. Green, Curator, administration, taxonomy.  
Mr. P.G. Wilson, Senior Botanist level 4, taxonomy.  
Mr. T.E.H. Aplin, Botanist level 3, extension.  
Mr. A.S. George, Botanist level 3, taxonomy, regional floristics.  
Dr. N.G. Marchant, Botanist level 3, biosystematics.  
Mr. B.R. Maslin, Botanist level 3, taxonomy.  
Mr. K.F. Kenneally, Botanist level 2, regional floristics.  
Dr. R.J. Hnatiuk, Botanist level 2, plant ecology.  
Mrs. G. Perry, Botanist level 2, taxonomy.  
Mr. N.S. Lander, Botanist level 2, extension.  
Mr. R.J. Cranfield, Laboratory Technician grade 1  
Mrs. J.G. Goff, Laboratory Technician grade 2.  
Mrs. J.W. Lee-Frampton, Laboratory Technician grade 2.  
Miss C.M. Lynch, Laboratory Technician grade 2.  
Mr. D.N. Butcher, Laboratory Assistant.  
Miss K.D. Barker, Laboratory Assistant.  
Miss V.L. Hamley, Typist  
Mrs. M.L. Wickham, Librarian, attached to Herbarium.  
Mr. R.C. Cole, Ground Attendant, attached to Herbarium.

Temporary Staff

Mr. M.E. Trudgen, Temporary Botanist  
Mr. I.G. Fetwadjieff, Laboratory Technician grade 2 (Australian Biological Resources Study Grant).  
Misses H. Lee, O. Siira, S. Curry, R. Johnson, C. Jackson,  
H. Morcombe, Messrs. G. Lewis, D. Spolc, R. Cummings, S. Cole,  
Temporary Assistants.