

**Western  
Australian  
Herbarium  
Annual  
Report  
1978**



# WESTERN AUSTRALIAN HERBARIUM

## ANNUAL REPORT 1978

### 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 Annual Report.

The present report deals mainly with changes of detail for the period July 1976 to June 1978, 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

Studies in the genus *Acacia* (Mimosaceae) - 8. A revision of the Uninerves-Triangulares, in part (the tetramerous species). *Nuytsia* 2(5), in press.

*Acacia* (Mimosaceae): a critical study of the Series Pulchellae Benth. B.R. Maslin (with P. Guinet, J. Vassal and C.S. Evans). Paper presented to Int. Legume Conference and submitted for publication.

Studies in the genus *Acacia* (Mimosaceae) - 9. Additional notes on the Series Pulchellae Benth. B.R. Maslin. Manuscript completed.

A contribution to the study of Australian diaphyllodinous taxa. B.R. Maslin (with J. Vassal and P. Guinet). Paper in preparation.

Different categories of phyllodes and their main evolutionary trends within the genus *Acacia*. B.R. Maslin (with J. Vassal). Paper in preparation.

Mangrove species of Western Australia, P.G. Wilson, K.F. Kenneally and V.E. Semeniuk (Warwick, W.A.).

##### b) Ecology

Population dynamics study of *Livistona*, R.J. Hnatiuk.

##### c) Survey

The natural history of the Wongan Hills, K.F. Kenneally and members of the Western Australian Naturalists' Club. Mammals, vegetation and flora of the Mitchell Plateau, K.F. Kenneally and R.J. Hnatiuk.

Vegetation and flora of Fenelon and Descartes Islands, K.F. Kenneally.

### Naturalized flora and weeds

The naturalized species of *Lotus*, G. Perry and R.N. Glencross (Regional Services Division). Commenced 1977-78.

List of the naturalized grasses of Western Australia, G. Perry. Draft completed.

The weeds of the Ord Irrigation Project Area, T.E.H. Aplin, G. Perry and D.J. Gilbey (Plant Research Division).

### Editorship

Nuytsia, Vol. 2, No. 4, containing 9 papers, was published.

### EXTENSION

#### Talks

Staff members gave a number of talks to students and to other groups on aspects of the Western Australian flora.

#### Lectures

A series of 8 lectures on plant taxonomy, Rangeland Management Conference, Agricola College, Kalgoorlie, December 1977, T.E.H. Aplin.

#### Compilation

Keys to rangeland plants, T.E.H. Aplin.  
The Flora (of Western Australia), for Sesquicentenary Volume on "Science and the Environment", T.E.H. Aplin.

#### Publications

- Aplin, T.E.H. (1977). The Vegetation of Western Australia. In Western Australian Year Book. No. 16.
- George, A.S. (1977). Dampier found a new world of flowers. The Black Swan 14, 5: 6-9.
- George, A.S. (1978). A desert expedition in Western Australia. J. Kew Guild. 10: 584-588.
- Hnatiuk, R.J. (1977). Ludwig Diels and modern botanical research in Western Australia. Australian Systematic Botany Society Newsletter.
- Kenneally, K.F. (1978). The Wongan Hills. Australian Systematic Botany Society Newsletter. 14, 2-3.
- Kenneally, K.F. (1978). The Wongan Hills. S.W.A.N.S. 8(1), 10-11.

### STAFF

#### General

Mr. B.R. Maslin took up duties as Australian Botanical Liaison Officer at the Herbarium, Royal Botanic Gardens, Kew, U.K. in August 1977.

Mr. N.S. Lander, formerly of the National Herbarium of New South Wales, Sydney, commenced as Botanist in September 1977. This position is a new one.

Mr. K.F. Kenneally was awarded a Churchill Fellowship to study amateur participation in the collection of biological data. The fellowship is for a period of 14 weeks, commencing May 1979.

Mr. R.J. Cranfield commenced duties as Laboratory Technician in July, 1977. This position is a new one.

Mr. B.R. Maslin, Botanist, was promoted from level 2 to level 3.

Dr. R.J. Hnatiuk, Mr. K.F. Kenneally and Mrs. G. Perry, Botanists, were promoted from level 1 to level 2.

Miss V.L. Hamley, Typist, was promoted from level C-V to level C-III-I.

#### Resignations and transfers

Mr. B. Haberley, Laboratory Assistant.  
Miss C. Greenland, Clerical Assistant.

#### Appointments

Mr. N.S. Lander, Botanist level 1.  
Mr. R.J. Cranfield, Laboratory Technician grade 1.  
Mr. D. Butcher, Laboratory Assistant.  
Miss K. Barker, Laboratory Attendant.

#### Members of staff, as at 30.6.78 with main areas of responsibility

Dr. J.W. Green, Curator, administration, taxonomy.  
Mr. P.G. Wilson, Botanist level 3, 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 1, extension.  
Mr. R.J. Cranfield, Laboratory Technician grad 1, supporting services.  
Mrs. J.G. Goff, Laboratory Technician grade 2, supporting services.  
Mrs. J.W. Lee-Frampton, Laboratory Technician grade 2, supporting services.  
Miss C.M. Lynch, Laboratory Assistant, supporting services.  
Mr. D. Butcher, Laboratory Assistant, supporting services.  
Miss K. Barker, Laboratory Attendant, supporting services.  
Miss V.L. Hamley, Typist, supporting services.  
Miss S. Orr, Assistant Librarian, Department of Agriculture, Library, attached to Herbarium.

#### Temporary staff

Ms. L. Penny, Laboratory Assistant (Australian Orchid Foundation)

Grant).

Miss O. Siira, Laboratory Assistant (Commonwealth Youth  
Employment Scheme).

Mr. M. Randall, Laboratory Assistant (Commonwealth Youth  
Employment Scheme).