

**THE TECHNICAL CURATION OF THE
DECLARED RARE AND PRIORITY FLORA IN
THE W.A. HERBARIUM**

*A general report on the technical curation of the conservation
taxa accompanied by a listing of taxa not represented by
Herbarium collections.*

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October 1994

CONTENTS

<u>Part One:</u> Introduction and general report on the technical curation of the DRF and Priority Taxa in the W.A. Herbarium.	2
<u>Part Two:</u> A list of taxa on the Conservation List which are not represented by specimens in the Herbarium.	6
<u>Part Three:</u> A list of taxa on the Conservation List, not represented by collections in the Herbarium and pending answers from correspondence sent interstate.	80
<u>Part Four:</u> Conservation taxa that have been examined but unable to be resolved.	112
<u>Appendix One:</u> A table of taxa on the DRF and Priority List based only on collections held in other Herbaria.	113 [#]
<u>Index:</u>	114

PART ONE - A GENERAL REPORT ON THE CURATION OF THE DRF AND PRIORITY TAXA IN THE W.A. HERBARIUM.

Introduction

The Wildlife Branch of the Department of Conservation and Land Management (CALM) maintains a list of plant species which are either Declared as Rare or Priority species. This list is compiled by Senior Botanist Ken Atkins and currently comprises 282 Declared Rare, 39 Presumed Extinct, 565 Priority 1, 533 Priority 2, 363 Priority 3 and 210 Priority 4 taxa. This in total represents 1992 taxa and approximately 20 % of the State's flora.

Discrepancies between the List and the W.A. Herbarium

Until recently, this list was being compiled and amended independently of any curation being carried out at the W.A. Herbarium. Subsequently, several hundred discrepancies existed between the names on the list and those in the Herbarium.

The most common discrepancies where:

- taxa that are now nomenclatural synonyms
- taxa that are now taxonomic synonyms
- taxa which have been revised and now include infraspecific ranks
- manuscript names that have been published
- incorrect spelling of taxa
- incorrectly cited phrase names

Additionally, an estimated 200 taxa on the list were not represented in the Herbarium. Most of these discrepancies fell into the following categories:

- taxa based on personal communication relayed directly to the Wildlife Branch.
- taxa based on specimens on loan from PERTH currently under revision.
- taxa based on specimens which are not housed at PERTH.
- taxa based on informal reports from which phase names have been created by Wildlife Branch.

Correcting discrepancies

Over the last year one of my primary roles has been to accurately curate all taxa on the conservation list and resolve all discrepancies between the list and the Herbarium. During this time I have been assisted by Margaret Brims (volunteer working 2 days a week) and Ann Gunness (contract officer for 2 months).

The following steps show briefly how each taxa is dealt with:

- specimens are located of each taxa on the List and name is confirmed as current
- specimens are annotated where necessary
- phrase names are brought into line with current phrase name protocol
- changes to codes and names are edited on WACENS
- specimens are databased on WAHERB with correct code
- folders are stencilled and correct priority stickers attached
- names are captured on WACENSUS
- any changes are communicated to Ken Atkins

Missing taxa - unresolved taxa

During the course of checking through each taxa on the list, many people have been contacted to assist in answering queries and locating missing specimens. To name a few would include G.J.Keighery, A.P.Brown, P.Short, D.Foreman, M.D.Crisp, P.H.Weston, P.Olde, S.D.Hopper, A.H.Burbidge, D.Coates, E.Bennett, A.S.George, M.E.Trudgen, L.Craven, D.Halford, K.Wilson, J.Chappill, R.J.Chinnock, R.Hnatiuk, R.D. Henderson, B. Conn, D.Jones, K.Dixon, C.Robinson, T.Macfarlane.

Although the bulk of taxa have been located and curated there are a number of taxa missing and unresolved. Part Two lists and highlights each of these taxa (in alphabetical order) and explains why collections have not been located, what information has been collated about the taxa and what measures are being taken to locate collections for the Herbarium.

Interim measures - substitutes for Herbarium collections

As an interim measure, where there are no collections to represent a taxa, efforts have been made to find useful information to assist in identifying these taxa. This information is placed in an empty Herbarium folder. It may include photocopies of specimens, copies of descriptions and illustrations, information extracted from the conservation flora files, etc. Accompanying this information is a covering note copied from Part Two of

this report explaining why there are no collections and what is being done to rectify this. The note, signed and dated by myself, is databased on WAHERB. This allows each taxa to be queried electronically and highlights the status of the taxa in the Herbarium and what information can be found in the Herbarium folder.

Note: Record basis abbreviations on WAHERB for the above information commonly fall into four categories:

- I Illustration (drawings/paintings)
- L Published literature (can included illustration)
- U Unpublished literature (handwritten/typed)
- X Photocopy

The introduction of protocols that ensure no further discrepancies occur between the Conservation List and Herbarium curation.

To ensure such discrepancies did not continue, Ken Atkins and myself have worked closely together to introduce new protocols and improve communication channels between the Wildlife Branch and the Herbarium. These protocols now ensure that no "changes" (deletions, changes to names, changes to codes, additions) can be made to the Conservation List without the necessary curation firstly being carried out in the Herbarium and WAHERB and WACENSUS being updated accordingly. Important protocols include:

• **A Checklist for Priority Taxa**

Many additions are continually being made to the conservation list. These may be published names, manuscript names or phrase names. To ensure that these additions are captured in addition, collaboration between myself and Ken Atkins has now produced a *Checklist for Priority Taxa* which is attached to each Declared Rare and Priority Flora File. This ensures that new names to the List cannot be added before specimens have been housed in the Herbarium and also captures changes or modifications to any taxa on the List.

• **Up-to-date revisions**

In the past, the Wildlife Branch was printing revised "changes" to the conservation list only once or twice a year. This meant that these changes were not being recorded in the Herbarium until a revision was printed. It also meant a considerable back-log of curatorial work was being created in the Herbarium when the list eventually arrived. For example, the last printed revision (1/2/94 - 14/9/94) list about 120 "changes". Protocols are now in place that ensure any change is immediately communicated to the Herbarium via the conservation flora file.

• **EMAIL communications**

In the past the only quick method of communication between Wildlife Branch and the Herbarium was the phone, and this, of course was only effective if the person was at their desk. The networking of Wildlife Branch has enabled the use of EMAIL. This is quick, effective, not dependent on the person being at their desk and, what is most important, allows a hard copy of the information being relayed to be printed. Pertinent information can then be added to the conservation flora files.

The cryptogams on the conservation list

There are currently 2 fungi, 21 lichens and 4 mosses on the DRF and Priority Flora List. The fungi and mosses are all represented in the Herbarium. However, of the 21 lichens, only three are represented. Those missing are: *Canoparmelia macrospora*, *Neofuscelia kondininensis*, *N. scabrosina*, *N. subbarbatica*, *N. subimitatrix*, *Paraparmelia sammyi*, *P. sargentii*, *P. subalpina*, *Pertusaria trachyspora*, *Usnea pulvinata*, *Xanthoparmelia darlingensis*, *X. fumigata*, *X. gerhardii*, *X. hypoleia*, *X. louisii*, *X. norpraegnans*, *X. norpumila* and *X. xanthomelanoides*.

These names were listed by Ken Atkins based on information from G. Nell Stevens, Department of Botany, Queensland. Stevens wrote the section on lichens in the report to the Australian Nature Conservation Agency titled "Overview of the Conservation of Non-marine Non-vascular Plants in Australia" (K. Atkins pers. comm. 21 Sept. 1994).

In a meeting with Ken Atkins earlier in the year it was suggested that Ken write to Stevens to see if voucher specimens could be sent to PERTH. As no collections have been located in the Herbarium, a note was forwarded to Ken on 21 Sept. 1994 as a reminder.

Note: WACENSUS does not yet have the capacity to record the cryptogams. However, a meeting has been arranged for early Nov. 1994 with the Curation Committee, Alex Chapman and Paul Gioia to address this problem.

PART TWO - A LIST OF TAXA ON THE CONSERVATION LIST WHICH ARE NOT REPRESENTED BY SPECIMENS IN THE HERBARIUM.

This list highlights all taxa not represented by Herbarium collections, the reasons why and what has been done to rectify this situation.

Note: The cryptogams have not been included in this list. Please refer to the note regarding cryptogams in Part One of this report.

DECLARED RARE

Acacia sp. Dandaragan (S. van Leeuwin 269)

Although there are specimens of this taxon the voucher collection S. van Leeuwin 269 cannot be located in the Herbarium. It is however databased as PERTH 03256758 under the name of *Acacia* aff. *microbotrya*. A note has been made on the WAHERB entry to bring this specimen to Suzanne Curry when located.

PRIORITY 1

Amyema sp. Fortescue (M.E.Trudgen 5358)

The specimens of this taxon are held by M. Trudgen pending publication of a flora list for the Karijini (Hamersley Range) National Park. If access is needed to this material Malcolm Trudgen may be contacted on 337 5334.

A empty folder has been placed in the Herbarium with the above note.

PRIORITY 2

Angianthus newbeyi P.S. Short

There are no collections of this taxon in the Herbarium. *A. newbeyi* is based only on the type collection: 18 km E of Jyndabinbin Rocks, c. 50 km SE of Norseman, 22 Sept. 1980, K.R.Newbey 7567 (PERTH). An exhaustive search has failed to find this specimen.

A fax was sent to Phil Short (13 Sept. 1994) asking if the TYPE had been sent to PERTH. He confirmed that it had.

A comment has been placed in WAHERB requesting the specimen to be brought to my attention if found.

An empty folder has been placed in the Herbarium with a copy of the above note and a copy of the original description.

PRIORITY 1

Baeckea sp. Western Australia (J.Drummond s.n.)

There are no collections of this taxon in the Herbarium. It is based on one MEL collection consisting of several duplicates. This collection is currently on loan to PERTH for examination by Malcolm Trudgen.

A photocopy of two of the duplicates has been made and placed in a Herbarium folder. A draft letter has been prepared for Neville Marchant asking MEL if we may retain one of the duplicate collections at PERTH.

These comments have also been attached to the Herbarium folder.

PRESUMED EXTINCT

Beyeria lepidopetala F. Muell.

There are no collections of this taxon in the Herbarium. *B. lepidopetala* was first described in *Fragm. Phyt. Austral.* 1:230(1859).

It is known only from the type collection made by A. Oldfield from near the Murchison River, N of Geraldton (housed at MEL).

NB. This record is undated but made prior to 1859 (Marchant and Keighery 1979).

The conservation flora file contains an illustration of the type drawn by Sue Patrick.

An empty folder with the above information and copy of illustration has been placed in the Herbarium.

PRIORITY 3

Bulbine pendula Keighery ms

There are no specimens of this taxon in the Herbarium. The specimens are held by M. Trudgen pending publication of a flora list for the Karijini (Hamersley Range) National Park. If access is needed to this material Malcolm may be contacted on 337 5334.

An empty folder with the above information has been placed in the Herbarium.

PRIORITY 2

Calochilus sp. Hopetoun (H. Taylor s.n.)

There are no collections of this taxon in the Herbarium.

This taxon is the same as that cited as *Calochilus* aff. *campestris* (Mallee Beard Orchid) in *Orchids of South-West Australia*, Hoffman & Brown 1992.

According to Andrew Brown (pers. comm. 9 Sept. 1994) he has made a collection of this earlier this year which has not reached the Herbarium. I have asked him to direct it to me a.s.a.p. for immediate processing.

NB. In *Orchids of South-West Australia* (1992) the comment is made: "There is also an old record from south of the Stirlings but as it has not been found there since the original sighting many years ago, there is some doubt that it still occurs there."

A collection site between the Stirling and Porongurup Range has since been confirmed by Chris Robinson (A. Brown pers. comm. 9/9/94). Andrew does not know if a collection was made.

An empty folder has been placed in the Herbarium with the above note and a copy of the description from Hoffman & Brown 1992.

PRIORITY 1

Cryptandra glabrata Steud.

There are no collections of this taxon in the Herbarium. *C. glabrata* is based only on the type collection at LUND. Barbara Rye is currently working on the *Cryptandra* and has this type of loan to PERTH. She will ensure that a photograph of this type is taken for our type collection before the loan is returned (B. Rye pers. comm. 17 June 1994).

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 3

Cynanchum sp. Hamersley (M.E.Trudgen 2302)

There are no collections of this taxon in the Herbarium. The specimens of are held by M. Trudgen pending publication of a flora list for the Karijini (Hamersley Range) National Park. If access is needed to this material Malcolm may be contacted on 337 5334.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 1

Dampiera dielsii E. Pritzel

There are no specimens of this taxon in the Herbarium. *D. dielsii* was first described in Diels & Prizel, Bot. Jahrb. Syst. 35:581(1905).

According to Rajput & Carolin, Fl. Australia 35:79(1992) the type is cited as:

T: near Greenough River, beside Mullewa bridge, W.A., F.L.E. Diels 3288; holo: ?B (destroyed) n.v.

The comment is made that no specimens of the type collection have been found, nor any other specimen that agrees with the description.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 1

Dampiera eriantha K. Krause

There are no collections of this taxon in the Herbarium. *D. eriantha* was first described in *Planzenr.* 54: 185(1912).

According to Rajput & Carolin in *Fl. Australia* 35:62(1992) the type is cited as:

T; Camp 54, Great Victoria Desert, W.A. 17 Sept. 1891, R. Helms; holo: ?B (destroyed) n.v.; iso AD, MEL, NSW.

One other collection is cited:

Camp 43, Great Victoria Desert, R. Helms (MEL, NSW).

A formal request will need to be made to AD, MEL, NSW for photographs of these two collections.

An empty folder has been placed in the wings with the above note and copy of description from the *Fl. Australia*.

PRIORITY 2

Dampiera fitzgeraldensis Rajput & Carolin

There are no collections of this taxon in the Herbarium. *D. fitzgeraldensis* was first described in *Telopea* 3(2): 196(1988) and is based only on the type collection cited as :

HOLOTYPE: Western Australia: Ongerup-Ravensthorpe, Fitzgerald River, R.C. Carolin 3564, 11 Sept. 1961 (NSW).

A formal request will need to be made to NSW for a photograph of the type.

An empty folder has been placed in the wings with the above note and copy of the description from *Telopea* 3(2).

DECLARED RARE

Darwinia apiculata N.G. Marchant

There are no collections of this taxon in the Herbarium. It is known only from the type locality.

D. apiculata was described by N.G. Marchant in *Nutysia* 5(1):63-66(1984) and the type is cited as:

Typus: Uncleared area west of Alpine Rd, west of Kalamunda, 31° 58'S, 116° 02'E, Western Australia, 17 Oct. 1982, N.G. Marchant 82/111 (holo: PERTH,; iso: CANB, K).

As of the 24 June 1994 an extensive search has failed to locate this type and Neville does not know its whereabouts.

An empty folder has been placed in the Herbarium with a copy of the description and the above note.

PRIORITY 4

Darwinia sp. Chiddarcooping (S.D.Hopper 6944)

There is no record of this collection in the Herbarium. Several boxes of S.D. Hopper and A.P. Brown collections have been waiting sorting and labelling by Andy for some time. Perhaps the above collection is amongst them.

Neville Marchant (pers. comm. 24 June 1994) said it is quite likely that this taxon is the same as *Darwinia* sp. nov. 1 Billyacatting (PERTH colls 01351222, 1351214) but until sighted it cannot be verified.

An empty folder has been placed in the Herbarium with the above comments.

PRIORITY 3

Darwinia sp *Morawa* (C.A.Gardner 2662)

There is no record of this taxon in the Herbarium. According to Neville Marchant it is synonymous with *Darwinia* sp. nov. 6 'pom pom' of which there are 11 records on WAHERB. These specimens however, cannot be located on the Herbarium shelves.

A comment has been added to the WAHERB entries (on 28 June 1994) asking anyone who may know their whereabouts to bring them to the attention of Suzanne Curry.

An empty folder for *Darwinia* sp. *Morawa* has been placed in the Herbarium with the above note.

PRIORITY 1

Darwinia sp. Mt Baring (K.R. Newbey 9775)

There is no record of this taxon in the Herbarium (28 June 1994) and Neville Marchant does not know what this entity is. The conservation flora file contains a detailed description and locality map of Newbey 9775.

An empty folder has been placed in the Herbarium with a copy of this description, map and above note.

PRIORITY 4

Darwinia sp. Mt Burdett (N.G.Marchant 80/42)

There is no records of this taxon in the Herbarium (28 June 1994). It is synonymous with *Darwinia* sp. nov. 8 'ciliate leaves' of which there are 7 specimens on WAHERB. These specimens however, cannot be located on the Herbarium shelves.

A comment has been added to the WAHERB entries (on 28 June 1994) asking anyone who may know their whereabouts to bring them to the attention of Suzanne Curry.

An empty folder for *Darwinia* sp. Mt Burdett has been placed in the Herbarium with the above note.

PRIORITY 2

Darwinia sp. Peak Charles (A.S.George 10627)

This taxon is based only on the above collection. Although this collection has been databased on WAHERB (PERTH 1356569) the specimen cannot be located in the Herbarium. Neville does not know its whereabouts.

A comment has been added to the WAHERB entry (on 28 June 1994) asking anyone who may know its whereabouts to bring it to the attention of Suzanne Curry.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 2

Darwinia sp. Thumb Peak (K.R.Newbey 4847)

There are no collections of this taxon in the Herbarium and Neville is not familiar with this entity. No conservation flora file currently exists.

According to the Priority list entry this taxon has affinities to *D. diosmoides* and occurs at Thumb Peak, Quoin Head and Fitzgerald River National Park.

Ken Atkins has been requested to create a flora file and forward the information to Suzanne Curry (28 June 1994).

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 1

Dicrastylis gilesii var. *bagotensis* forma *brevipila* Munir

There are no collections of this taxon in the Herbarium. According to *Brunonia* 1:6(1978) it is based only on the type collection cited as:
Typus: R.Hill & T.R.N.Loethian 921: Blackstone Mining Camp, c. 630 km south-west of Alice Springs, c. 50 km north-east of Cavanagh Range, Western Australia, 11.vii.1958 (AD, holotype; K, NT).

A formal request will need to be made to AD, K or NT for photographs of the type.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 1

Dicrastylis gilesii var. *bagotensis* forma *irregularis* Munir

There are no collections of this taxon in the Herbarium. According to *Brunonia* 1:7(1978) it is based only on the type collection cited as:
Typus: P.G.Wilson 2405: 'Warrapi' (Warrabi) Gorge, on south-west side of Rawlinson Range, c. 15 km north-west of Giles, Western Australia, 3.viii.1962 (AD, holotype; B,E).

A formal request will need to be made to AD, B or E for photographs of this collection.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 1

Didymoplexis pallens Griffith

There are no collections of this taxon in the Herbarium. Although a spirit collection has been seen in the past exhaustive searches has failed to locate it. This spirit collection was used by Annette Wilson for the illustration that appears in the Kimberley Flora. Annette and Judy Wheeler are also unable to locate this spirit collection.

An empty folder has been placed in the Herbarium with the above note and photocopy of the illustration from the Kimberley Flora.

PRIORITY 4

Drosera graniticola N.G. Marchant

There are no collections of this taxon in the Herbarium.

It was described in the Fl.Australia 8:383(1982) by Neville Marchant.

According to this treatment there are three collections at PERTH -

1. T: Holt Rock, SE of Hyden, N.G. Marchant 72/635 (holo: PERTH, iso: CANB,K).
2. Lily McCarthy Rock, SE of Hyden, SE of Hyden, N.G. Marchant 72/633
3. Varley Rock, SE of Hyden, N.G. Marchant 72/644

An exhaustive search of the Herbarium has failed to find them and Neville does not know their whereabouts.

An empty folder has been placed in the Herbarium with the above information..

DECLARED RARE

Epiblema grandiflorum var. *cyanea* K. Dixon ms

There are no collections of this taxon in the Herbarium. Kingsley (pers. comm. 21/6/1994) said that the type collection was sent to the Herbarium some 2 years ago. An exhaustive search has failed to find it.

Andrew Brown (pers. comm. 9 Sept. 1994) says he intends to re-collect this taxon at some stage.

An empty folder has been placed in the Herbarium with a photocopy of the description and photograph from Brown and Hoffmans' *Orchids of south-western Australia*.

PRIORITY 1

Eremophyllum hemisphaericum Paul G. Wilson

There are no collections of this taxon in the Herbarium. According to P. Wilson in *Nuytsia* 7(1): 113(1989) this taxon is based only on the type collection cited as:

Typus: Champion Bay, Western Australia, s.dat., A. Oldfield (holo: MEL 109800).

Although a photograph was taken of this type when it was on loan to PERTH, it did not reproduce well and has not been developed from the negative (P. Wilson pers. comm. 25 Sept. 1994).

A formal request will therefore need to be made to MEL for a photograph of the type.

An empty folder has been placed in the wings with the above note and copy of the description from *Nuytsia*.

PRIORITY 1

Eucalyptus sp. Marandoo (M.E.Trudgen 10362)

There are no specimens of this taxon in the Herbarium. The specimens are held by M. Trudgen pending publication of a flora list for the Karijini (Hamersley Range) National Park. If access is needed to this material, Malcolm may be contacted on 337 5334.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 3

Flaveria sp. Tom Price (M.E.Trudgen 11246)

There are no collections of this taxon in the Herbarium. The specimens are held by M. Trudgen pending publication of a flora list for the Karijini (Hamersley Range) National Park. If access is needed to this material, Malcolm may be contacted on 337 5334.

An empty folder has been placed in the Herbarium with the above note.

PRESUMED EXTINCT

Frankenia parvula Turcz.

There are no collections of this taxon in the Herbarium. The Fl. Australia 8:123(1982) cites only the Type collection:

T: south-western W.A., 1850, J. Drummond 5:81; n.v.

PERTH does not hold this type.

An empty folder has been placed in the Herbarium with the above information.

PRESUMED EXTINCT

Glyceria drummondii (Steudel) C.E. Hubb.

There are no collections of this taxon in the Herbarium. The flora file contained photocopies of three descriptions:

1. Kew Bull:450(1934) which cites Drummond 277, 390 (both from Swan River) and Palmer 22 ("without precise locality").
2. Fl.West.Aust.1:102(1952) which cites Palmer 22 as Nangetty Station.
3. Fl.Austral.7:658(1878), described as *Porroteranthe drummondii*, cites no collections.

There is no mention of where any of the above collections are housed.

An empty folder has been placed in the Herbarium with a copy of the above descriptions.

PRIORITY 2

Gompholobium eatoniae F. Muell.

There are no collections of this taxon in the Herbarium.

The following information has been extracted from the flora file.

"This species was described by von Mueller in 1889 from material collected by Miss Martha Eaton from "near the eastern sources of the Swan-River."

J.R.Wheeler has notes in 1983 that material previously in the *G. eatoniae* folder does not agree with the original description for *G. eatoniae*, F. Muell. Vic. Nat.6:38(1889) and the shorter calyx lobes suggest that *G. eatoniae* may not be a *Gompholobium* and could well prove to be *Burtonia scabra*.

The specimen from west of Coomberdale, Whibley 4922, formerly identified as *G. eatoniae* is now placed under *Gompholobium* sp.

Marchagee (B.R.Maslin 1427).

References: Mueller (1889), J.R.Wheeler (pers. comm.)".

Notes:

- a. Since the above info. was placed on file, all *Burtonia*'s have been synonymised under *Gompholobium* - i.e. *B. scabra* is now *Gompholobium scabrum*. *G. scabrum* is a widespread species.
- b. *Gompholobium* sp. Marchagee (B.R.Maslin 1427) is a Priority 2 taxon.

An empty folder has been placed in the Herbarium with the above information.

PRIORITY 2

Gonocarpus ericifolius Orchard

There are no collection of this taxon in the Herbarium. According to Nuytsia 5(3):329(1986) it is based only the type collection which is cited: Typus: 33 km E of Pingaring along road to Varley, Western Australia, 32 44'S, 118 56'E, gravelly sand over laterite, tall heath with *Casuarina campestris*, 29 Jan. 1979, B.Barnesley 980 (holo: CBG 7902172; iso: HO).

A formal request will need to be made to CBG for a photograph of the type.

An empty folder has been placed in the Herbarium with the above note and copy of the description.

PRIORITY 1

Goodenia anfracta J.M. Black

There are no collections of this taxon in the Herbarium. According to R.C. Carolin in Fl. Australia 35:236(1992) *G. anfracta* is based on only three collections, all of which are housed at AD. They are as follows:

1. Type: Cootanoorina, S.A. May 1891, R. Helms; holo: AD.
2. W end of Hopkins Lake, D.E. Symon 2343 (AD).
3. Strangways Springs, D.E. Symon 11137 (AD).

A formal request will need to be made to AD for photographs of these collections.

An empty folder has been placed in the Herbarium with the above note and copy of description from Fl. Australia.

PRIORITY 1

Goodenia pallida Carolin

There are no collections of this taxon in the Herbarium. According to R. Carolin in Fl. Australia 35:261(1992) *G. pallida* is known only from the type collection cited as :

T: 127 miles [c. 203 km] from Onslow on Roebourne Road, W.A. 11 Aut. 1970, R.C. Carolin 7845; holo: NSW; iso: SYD.

A formal request will need to be made to NSW or SYD for photographs of the type.

An empty folder has been placed in the Herbarium with the above note and copy of the description.

PRIORITY 1

Grevillea sp. Eragilga (P. Olde 9196)

There are no collections of this taxon in the Herbarium. According to the conservation flora file its only known location is 26.5 km W of Brand Highway on Cantabilling Road. It is a prostrate plant and is commonly in cultivation under the name of *Grevillea thelemanniana*. The collection may be with P. Olde or the Victorian *Grevillea* Study Group.

An empty folder with the above note has been placed in the Herbarium.

PRIORITY 1

Gunniopsis sp. Fortescue (M.E.Trudgen 11019)

There are no collections of this taxon in the Herbarium. The specimens are held by M. Trudgen pending publication of a flora list for the Karijini (Hamersley Range) National Park. If access is needed to this material, Malcolm may be contacted on 337 5334.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 2

Hakea rigida C.A. Gardner ms

There are two collections of this taxon in the Herbarium. This note is simply to highlight that the species is a manuscript name of Charles Gardner.

PRIORITY 2

Hakea undulata R.Br. - limestone form (B.Keighery & N.Gibson 237)

There are no collections of this taxon in the Herbarium. The voucher collection is still with Neil Gibson and will not be able to be processed before Jan. 1995 (N. Gibson pers. comm. 25 Oct. 1994). If information is required about this collection Neil can be contacted on 405-5160 at the Woodvale Research Centre.

PRIORITY 1

Hemiandra sp. Dowerin

There are no collections of this in the Herbarium. Apparently, our specimen/s are on loan to Barry Conn and this phrase name taxon is actually true *Hemiandra rutilans*. What we currently have in the Herbarium as *Hemindra rutilans* (which is on the Declared Rare List) is really an undescribed species - Sue Patrick (pers. comm. 26/6/94). A copy of the specimen with Barry Conn (PERTH 01257331, S. Patrick 504) has been received and placed in an empty herbarium folder.

PRIORITY 2

Indigofera ixocarpa Peter G. Wilson ms

Although there are 2 records for this taxon on WAHERB they cannot be located in the Herbarium. An empty folder is on the shelves with a print-out of these two records.

PRIORITY 2

Isoetes brevicula E.R.L. Johnson

There are no collections of this taxon in the Herbarium. It seems to be known only from one spirit collection made by Neville Marchant. As of 13/12/1993 the collection would appear to still be in Neville's possession. Sue Patrick has requested its incorporation into the Herbarium.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 1

Josephinia sp. Marandoo (M.E.Trudgen 1554)

There are no collections of this taxon in the Herbarium. The specimens are held by M. Trudgen pending publication of a flora list for the Karijini (Hamersley Range) National Park. If access is needed to this material, contact Malcolm on 337 5334.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 1

Labichea deserticola J.H. Ross

There are no specimens of this taxon in the Herbarium. *L. deserticola* was described by J.H.Ross in *Muelleria* 6:32(1985). It is based only on the type collection:

TYPE: Western Australia, Victoria Desert Camp 44, 27 44"S, 126 33"E, 7 April 1891, R.Helms s.n. (AD 98223004), holo: MEL 616545, NSW 150255-150257, iso.)

A formal request will need to be made to one of the above Herbaria for a photograph of the collection.

An empty folder with a copy of the description (which has an excellent line drawing) and the above note have been placed in a Herbarium.

PRIORITY 1

Lachnostachys ferruginea var. *ferruginea* forma *reticulata* Munir

There are no collections of this taxon in the Herbarium. According to Brunonia 1(4):659(1978) it is based only on the type collection cited as: Typus: A.M. Ashby 1279; from Tarin Rock, South-West Division, Western Australia, 26.x.1964 (AD, holotype).

A formal request will need to be made for a photograph of this type.

An empty folder has been placed in the Herbarium with a copy of the description and the above note.

PRESUMED EXTINCT

Lepidium drummondii Thell.

There are no collections of this taxon in the Herbarium.

According to Fl.Australia 8:280(1982) this taxon is based on:

T: Swan River, W.A., J. Drummond 2:50; lecto: G; iso: G, K, LE, P, W, fide H.J. Hewson, Brunonia 4:294(1982).

A series of photographs of the type have been sent from K to PERTH.

Sue Patrick attached photocopies of these illustrations to the flora file.

However, the current whereabouts of the original photographs is not known.

An empty folder has been placed in the Herbarium with the above information and a copy of the illustrations.

PRIORITY 1

Lepidosperma rostratum S.T. Blake

There are no collections of this taxon in the Herbarium. The only information available is the original description which cites a S.T.Blake 17988 collection from Cannington, near Perth. Karen Wilson (pers. comm. 10/5/1994) confirmed this as a good species which requires further investigation.

An empty folder has been placed in the Herbarium with the above note.

PRESUMED EXTINCT

Leptomeria dielsiana Pilger

There are no collections of this in the Herbarium. It is known only from the type collection of J. Drummond 228 (locality unknown). The original description in Bull. Herb. Boissier ser 2., 6:103(1906) cites "typus in Herb. Boissier".

The description from Fl. Australia 22:55(1983) says there is an isotype at NSW.

Further to this, Sue Patrick has illustrated the 'type' from a collection she examined at MEL.

An empty folder has been placed in the Herbarium with a copy of Sue's illustration and a copy of the above descriptions.

PRESUMED EXTINCT

Leptomeria laxa Miq.

There are no collections of this in the Herbarium. It is known only from the type collection of Preiss 2120, Nov. 1840 (from south-west Western Australia). The original description is in Pl. Preiss 1:612(1845).

In Helen Hewson's revision of *Leptomeria* in Fl. Australia 22:58(1984) she includes this taxon under 'doubtful and excluded names'. She did not see the type material but states that:

"*L. laxa* may belong under *L. cunninghamii* but until the type is studied the application of the name remains doubtful".

An empty folder has been placed in the Herbarium with the above note.

PRESUMED EXTINCT

Leptomeria laxa Miq.

There are no collections of this in the Herbarium. It is known only from the type collection of Preiss 2120, Nov. 1840 (from south-west Western Australia). The original description is in Pl.Preiss 1:612(1845).

In Helen Hewson's revision of *Leptomeria* in Fl. Australia 22:58(1984) she includes this taxon under 'doubtful and excluded names'. She did not see the type material but states that:

"*L. laxa* may belong under *L. cunninghamii* but until the type is studied the application of the name remains doubtful".

An empty folder has been placed in the Herbarium with the above note.

PRESUMED EXTINCT

Leucopogon marginatus W.V. Fitzg.

There are currently no collections of this taxon in the Herbarium. Several recent collections have been made but the taxonomy of the species is in question. Accordingly, Sue Patrick has sent (in August 1994) all PERTH collections to Elizabeth Brown at NSW for examination and confirmation.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 2

Mitrasacme sp. South-west (G.J. Keighery 343)

This taxon is based on one specimen currently on loan to Clive Dunlop (NT). A fax forwarded to Clive has produced a photocopy of the above collection. Although Clive has yet to annotate this collection, he has commented that the specimens in **not** a *Mitrasacme*. However, until the specimen is re-determined and returned, Ken Atkins will leave this name on the Priority List.

An empty folder has been placed in the Herbarium with the photocopy of the specimen, correspondence from Clive Dunlop and the above note.

PRIORITY 1

Mimulus clementii Domin

There are no collections of this taxon in the Herbarium. The only information existing on file is a photocopy of the original description from *Biblioth.Bot.*89:1149(1929). There is no mention of a type collection. Description cites an E. Clement collection from between the Ashburton and De Gray Rivers.

An empty folder has been placed in the Herbarium with the above note and photocopy of the above description.

PRESUMED EXTINCT

Opercularia acolytantha Diels

There are no collections of this taxon in the Herbarium. *O. acolytantha* was first described in Diels & Pritzel, Bot. Jahrb. Syst. 35:547(1905). One collection is cited in the description:

"Hab. in distr. Eyre a sinu Esperance Bay circ. 60 km septentrionem versus in apertis arenosis fruct. m. Novemb. (D. 5967)."

This roughly translates to: "About 60 km N of Esperance in open arid sand, Nov., Diels 5967."

This collection, housed at the Berlin Herbarium, was presumably destroyed during the war.

An empty folder has been placed in the Herbarium with the above note and a copy of the original description.

PRIORITY 2

Paracaleana sp. Nuytsland (A.P. Brown s.n.)

There are no collections of this taxon in the Herbarium. Andrew Brown was not aware that this taxon was on the list. He assumes this is the same as the *Paracaleana* sp. (Esperance Duck Orchid) in *Orchids of South-West Australia*, Hoffman & Brown (1992). No collections have been made of this taxon or any work to find out more about it. Given that it grows within the Nuytsland Reserve and there are many other areas of suitable habitat, Andy suspects it will not need conservation status and suggests it be removed from the list. (A.P. Brown pers. comm. 9 Sept.) However, Ken Atkins says it is inappropriate to remove the name from the list as it is intended to highlight taxa that require further survey. (K. Atkins pers. comm. 12 Sept.)

Andy does not expect collections to be made in the near future due to the remoteness of this area.

An empty folder has been placed in the Herbarium with the above note and copy of description and photographs from Hoffman & Brown 1992.

PRIORITY 1

Phlegmatospermum richardsii (F. Muell.) E. Shaw

There are no collections of this taxon in the Herbarium.

According to Contr. Gray Herb. 205:153 (1974) the type is cited as:

Holotype: Eucla, Mrs Richards (MEL 771), fragments (AD).

Under "other specimens seen" is cited:

Near Eucla, Mrs Richards, 1879 (AD).

There are no illustrations of any kind.

A formal request will need to be made to MEL or AD to for photographs.

An empty folder has been placed in the Herbarium with this information.

PRIORITY 1

Phyllanthus indigoferoides Benth.

There are no collections of this taxon in the Herbarium.

Described in Fl.Austral.6:110(1873) and based on one collection - York Sound, N.W.Coast, A. Cunningham.

There is no other information on flora file and no illustrations.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 1

Picris wagenitzii Lack

There are no collections of this taxon in the Herbarium. According to Holzapfel in Willdenowia 24:210(1994) the only known collections are:

1. collected by J. Drummond, F. v. Mueller and Morrison.
2. collected before 1900.
3. collected from the Swan River and Darling Range.
4. housed at K and MEL (no collections at PERTH)

Distribution data collated by Holzapfel extends the distribution from about Perth to Albany.

Holzapfel also states: "As the most recent collection of this species dates from 1899 (Darlington, Morrison), *P. wagenitzii* is regarded as a presumably extinct species (Hopper et al. 1990: 137,.....)".

A formal request will need to be made from either K or MEL requesting photographs of these collections.

An empty folder has been placed in the wings with the above note and copy of descriptions from Bot. Jahrb. Syst. (1987) and Willdenowia 24(1994).

PRIORITY 3

Plantago sp. Hamersley (M.E.Trudgen 11207)

There are no collections of this taxon in the Herbarium. The specimens are held by M. Trudgen pending publication of a flora list for the Karijini (Hamersley Range) National Park. If access is needed to this material, Malcolm may be contacted on 337 5334.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 3

Polymeria sp. Hamersley (M.E.Trudgen 11353)

There are no collections of this taxon in the Herbarium. The specimens are held by M. Trudgen pending publication of a flora list for the Karijini (Hamersley Range) National Park. If access is needed to this material, Malcolm may be contacted on 337 5334.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 1

Ptilotus appendiculatus var. *minor*

There are no collections of this taxon in the Herbarium. According to G. Benl in *Nuytsia* 4(3):267(1983) this variety is known only from the type collection cited as:

Typus: Boodardee, about 15 miles (24 km) W of Port Hedland, Western Australia. 9 Sept. 1969, S.L. Everist 9195 (holo: BRI 205778).

A formal request will need to be made to BRI for photograph of the type.

An empty folder has been placed in the Herbarium with the above note and cop of the description.

PRESUMED EXTINCT

Ptilotus fasciculatus W.V. Fitzg.

There are no collections of this taxon in the Herbarium. It is known only from the type collection of W.V.Fitzgerald s.n. Nov. 1907 (from near Cunderdin) and was described in J.Bot.50:128(1912).

According to the flora file, Sue Patrick states that a fragment is housed at MEL ex the Herb.Musei.Brittannici. Sue has illustrated this fragment and placed a copy on file.

An empty folder has been placed in the Herbarium with the above note and copy of illustration.

PRESUMED EXTINCT

Pseudanthus nematophorus F. Muell.

There are currently no specimens of this taxon in the Herbarium. The name is based on two collections which are on loan to Rod Henderson, BRI (loan 93-047). Rod has requested an extension on this loan and has, as an interim measure, sent photocopies of the two PERTH sheets.

Note: Although he has not examined these specimens critically, he believes that these two collections are different, with PERTH 01617400 from Mt Maxwell possibly being a new species.

The two photocopies have been temporarily sorted as *P. nematophorus* and placed in An empty folder in the Herbarium with the above note.

PRIORITY 2

Restio isomorphus

There are no collections of this taxon in the Herbarium. According to Dixon et al. in *Nutysia* 9(1): 91(1993) *R. isomorphus* is based only on the type which is cited as:

Typus: Scott River along Governor Broome Road and Dennis Road (34 15'S, 115 17'E), Dec. 1988, Meney & Dixon (KM110, female plant) (holotype: PERTH; isotype: K, SYD).

An exhaustive search of the Herbarium (June 1994) failed to find this collection. Kingsley Dixon (pers. comm. June 1994) is confident that the Type was sent to the Herbarium from Kings Park.

An empty folder has been placed in the Herbarium with the above note and copy of description. WAHERB has also been annotated with a request to all staff to forward the type to myself if it is found.

If the type is not found, a formal request will need to be made to K or SYD for a photograph of the type.

PRIORITY 1

Rumex crystallinus Lange

There are no collections of this taxon in the Herbarium. According to K.H. Rechinger in *Nuytsia* 5(1): 110(1984) it is represented by only one W.A. collection:

Lyndon River about 16 miles inland 23°32'S, 114°50'E, 1185, H.S.Carey s.n. (MEL).

An empty folder has been placed in the Herbarium with the above note, a description of this species from *Nuytsia* and a *photocopy* of the Carey collection (via Phil Short (MEL)).

Although we have this photocopy, a formal request should be made to MEL for the photograph of the collector.

PRIORITY 3

Rumic astrum chamaecladum (Diels)Ulbr.

There are no collections of this taxon in the Herbarium. There is however one record with this name on WAHERB (PERTH 354694). An exhaustive search has failed to locate this collection.

A comment has been added to the WAHERB record asking the specimen to be brought to myself if found.

An empty folder has been placed in the wings with the above note and print-out of the WAHERB record.

PRESUMED EXTINCT

Scaevola macrophylla Benth.

There are no collections of this taxon in the Herbarium. Only two collections are cited by R.J. Carolin in Fl. Australia 35:133(1992):

1. T; Swan River, W.A., J. Drummond 5:362; holo: K; iso: BM, MEL, P, W.
2. Konkoberup promotory, Cape Riche; *coll. unknown* (MEL).

A formal request will need to be made to these institutions requesting a photograph.

An empty folder has been placed in the Herbarium with the above note and copy of description from Fl. Australia.

PRIORITY 3

Sida sp. Marandoo (M.E.Trudgen 10976)

There are no collections of this taxon in the Herbarium..The specimens are held by M. Trudgen pending publication of a flora list for the Karijini (Hamersley Range) National Park. If access is needed to this material, contact Malcolm on 337 5334.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 1

Stemodia linophylla F. Muell.

There are no collections of this taxon in the Herbarium. It was first described by F. Muell. in 1876 in *Fragm. Phyt. Austral* 10:88. It is known only from this original description. The locality is cited as:

"Interflumen Ashburton's River et montes Alfred-Marie's Ranges; E. Giles".

This can be interpreted as "Between the Ashburton River and the Alfred and Marie Range".

There is no indication of where this E. Giles collection may be housed.

An empty folder has been placed in the Herbarium with a copy of the above note and a copy of the original description.

PRIORITY 1

Stylidium sp. Coolcalalaya (A.H. Burbidge s.n.)

There are no specimens on this taxon in the Herbarium. This phrase name has been created based on a citing by David Coates and Allan Burbidge of an undescribed *Stylidium* near Coolcalalaya Station on the Murchison River. No collection was made. If and when the area is revisited, a collection will be made. In the interim, anyone wishing to know about the taxon can contact David Coates on 334 0490.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 1

Synaphea sp. Moora (A.S. George 17055)

There are no specimens of this taxon in the Herbarium. It is based on two collections:

1. J.B. Cleland s.n. Oct. 1908 (NSW). A photocopy of this collection has been placed in the Herbarium folder.
2. An A.S. George 17055 collection not yet in the Herbarium. This collection is still amongst several boxes of Alex's which he is currently working through. He will forward this collection as soon as possible.

PRESUMED EXTINCT

Taraxacum cygnorum Hand.-Mazz.

There are no collections of this taxon in the Herbarium. *T. cygnorum* was first described in Monogr. Taraxacum 55(1907). A translation of the description (without distribution details) done on the 4 March 1994 is in the Herbarium folder. There is no mention of who did this translation.

An empty folder has been placed in the Herbarium with the above note and translation of original description.

Note: The Herbarium has one Victorian collection determined as *T. cygnorum* (PERTH 00522805) but this has yet to be confirmed by Gillian Perry.

PRESUMED EXTINCT

Tetradthea fasciculata J. Thompson

There are no collections of this taxon in the Herbarium.

J. Thompson described this taxon in *Telopea* 1(3):172(1976) and cites two collections:

1. Holotype: Sources of the Blackwood River (W.A.), Miss Cronin 1889 (MEL 1008329).
2. Stirling district near Lake Wagin, Cronin 1895.

The flora file has as copy of an illustration done by Sue Patrick of the type collection.

An empty folder with the above information and copy of illustration has been placed in the Herbarium.

Note: Jenny Alford (pers. comm. 23/6/94) said that extensive searches by herself and Mal Graham have failed to relocate this taxon. She suspects it may be something else but further taxonomic work is required.

DECLARED RARE

Thelymitra dedmaniarum R. Rogers

There are no collection of this taxon in the Herbarium.

In the Transactions of the Royal Society of South Australia 62:13(1938) the type is cited as:

Type: Western Australia, Toodyay, 11 Nov. 1934, Mr and Miss Dedman (holo: AD).

According the Andrew Brown (pers. comm. 9 Sept. 1994) Steve Hopper made a collection which was sent to the Herbarium, probably under the name of *T. benthamiana*. An exhaustive search has failed to locate it. Andrew also commented that he intends to re-collect the species later this year (flowering time is November). I have asked Andrew to direct this collection to me for immediate processing.

An empty folder has been placed in the Herbarium with the above note. A copy of the description from *Orchids of South-West Australia*, Hoffman & Brown (1992) has also been included.

PRIORITY 3

Thelymitra jacksonii

There are no collections of this taxon in the Herbarium. Andy Brown (pers. comm. Aug. 1994) has lodged specimens of this taxon at the Herbarium but exhaustive searches by Andy and Ann Guinness have failed to locate them. A. Brown has sent a collection to D. Jones in Canberra and may chase him for material.

An empty folder with this information has been placed in the Herbarium.

PRIORITY 1

Trymalium litorale (Diels) Domin

The two PERTH sheets (01518437, 01531115) are currently on loan to K. Thiele, CANB (loan 94-022). A fax sent to Kevin on the 14 Sept. 1994 has produced a photocopy of each sheet. Kevin wishes to keep the specimens until he has completed writing up the *Trymalium* descriptions for the Flora of Australia.

These photocopies has been placed in the Herbarium folder.

PART THREE. A LIST OF TAXA ON THE CONSERVATION LIST, NOT REPRESENTED BY COLLECTIONS IN THE HERBARIUM AND PENDING ANSWERS FROM CORRESPONDENCE SENT INTERSTATE.

PRIORITY 2

Astroloma microphyllum Stschegl.

There are currently no collections of this taxon in the Herbarium. According to the loans paperwork, the PERTH collections were sent to Annette Wilson (AD) in 1991 (loan 91-026). A fax was sent to Annette on 9 Sept. 1994 requesting their return or photocopies as an interim measure. An answer is yet to be received.

PRIORITY 2

Astroloma sp. Yalgorup

This taxon is based on a Malcolm Trudgen collection which is not in the Herbarium. Malcolm has been made aware of this (on 9 Sept. 1994) and will locate this specimen as soon as possible.

PRIORITY 1

Brachysema sp. Williamson (G.J.Keighery 12719)

Based only on the above collection which is not in the Herbarium. Additionally, the voucher collecting number is in error. Keighery 12719 is actually *Platysace eatoniae*. Greg has been asked about this but no outcome as yet.

PRIORITY 2

Caesia viscida

According to Nuytsia 7(1990) this taxon is based only on the type collection, G.J.Keighery 2010 & J.J. Alford (holo: PERTH, iso: MEL, K). The type is not in the Herbarium. Additionally the collecting number 2010 seems to be in error. We have a Keighery 2010 collection which is *Commersonia gaudichaudii*. Grey has been asked about this but no outcome as yet.

PRIORITY 2

Calandrinia dielsii Poelln.

There are currently no collections of this taxon in the Herbarium. It would appear from the loans paperwork that the collections are with Judy West in CANB. A fax has been sent to Judy on the 21 Sept, 1994 requesting their return or photocopies of the specimens as an interim measure.

An empty folder has been placed in the Herbarium with the above note.

PRIORITY 1

Eremophila annosocaula Chinnock ms

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this ms name to Ken Atkins. He has applied the name to PERTH collections on loan. A fax has been sent on 12 Spet. 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 1

Eremophila arguta Chinnock ms

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this ms name to Ken Atkins. He has applied the name to PERTH collections on loan. A fax has been sent on the 12 Sept. 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 1

Eremophila attenuata Chinnock ms

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this ms name to Ken Atkins. He has applied the name to PERTH collections on loan. A fax has been sent on the 12 Sept. 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 1

Eremophila aureivisca Chinnock ms

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this ms name to Ken Atkins. He has applied the name to PERTH collections on loan. A fax has been sent on the 12 Sept. 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 1

Eremophila coacta Chinnock ms

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this ms name to Ken Atkins. He has applied the name to PERTH collections on loan. A fax has been sent on the 12 Sept. 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 1

Eremophila congesta Chinnock ms

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this ms name to Ken Atkins. He has applied the name to PERTH collections on loan. A fax has been sent on the 12 Sept. 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 1

Eremophila gracillina Chinnock ms

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this ms name to Ken Atkins. He has applied the name to PERTH collections on loan. A fax has been sent on the 12 Sept. 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 1

Eremophila everta Chinnock ms

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this ms name to Ken Atkins. He has applied the name to PERTH collections on loan. A fax has been sent on the 12 Sept. 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 4

Eremophila hillii E. Shaw

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this name to Ken Atkins. He has all PERTH collections on loan. A fax has been sent on the 12 Sept. 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 1

Eremophila hirsuta Chinnock ms

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this ms name to Ken Atkins. He has applied the name to PERTH collections on loan. A fax has been sent on the 12 Sept. 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 2

Eremophila occidentis Chinnock ms

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this ms name to Ken Atkins. He has applied the name to PERTH collections on loan. A fax has been sent on the 12 Sept. 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 2

Eremophila pallida Chinnock ms

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this ms name to Ken Atkins. He has applied the name to PERTH collections on loan. A fax has been sent on the 12 Sept, 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 1

Eremophila pilosa Chinnock ms

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this ms name to Ken Atkins. He has applied the name to PERTH collections on loan. A fax has been sent on the 12 Sept. 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 1

Eremophila retropila Chinnock ms

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this ms name to Ken Atkins. He has applied the name to PERTH collections on loan. A fax has been sent on the 12 Sept. 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 1

Eremophila rigens Chinnock ms

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this ms name to Ken Atkins. He has applied the name to PERTH collections on loan. A fax has been sent on the 12 Sept. 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 1

Eremophila rigida Chinnock ms

There are currently no collections of this taxon in the Herbarium. R.J. Chinnock has communicated this ms name to Ken Atkins. He has applied the name to PERTH collections on loan. A fax has been sent on the 12 Sept. 1994 requesting their return or photocopies as an interim measure. A reply has yet to be received.

PRIORITY 4

Eucalyptus sp. Bluff Knoll

There is no flora file or WAHERB records of this. Ken Atkins has been asked to create a file and attach information on this and to amend the phrase name to include a voucher.

PRESUMED EXTINCT

Frankenia conferta Diels

There are no collections of this taxon in the Herbarium. The taxon is apparently only known from the TYPE collections in south-western W.A. In the Fl. Australia 8:117(1982) the type collections are stated as:
T: Avon district, 1890, M. Heal (Diels 7836); probable iso: Cummering, E of York, M. Heal.

The Diels collection 7836 was sent to M. Whalen at AD as part of PERTH loan 86-017 in March 1986 (this loan consists of six types and 373 sheets).

A formal request will need to be made for the return of this loan.

An empty folder has been placed in the Herbarium with the above information.

PRIORITY

Frankenia confusa Summerh.

There are no collections of this taxon in the Herbarium. However, three collections were sent to M. Whalen at AD as part of PERTH loan 86-017 in March 1986 (this loan consists of six types and 373 sheets). The collections are:

Roderick River, Boolardy, D.G. Wilcox M3822
Red Bluff, Murchison River, R.D. Royce 7767
M. Wittwer S1741 (locality details not available).

A formal request will need to be made for the return of this loan.

An empty folder has been placed in the Herbarium with the above information.

PRESUMED EXTINCT

Frankenia decurrens Summerh.

There are no collections of this taxon in the Herbarium. The Fl. Australia 8:119(1982) cites only the Type collection:

T: near Cape Riche, W.A., 1850, J. Drummond 5, suppl. 78; n.v.

PERTH does not hold this type. One collection with the name *F. decurrens* (P. van der Moezel PGV22) was sent on loan to M. Whalen at AD as part of PERTH loan 86-017 in March 1986 (this loan consists of six types and 373 sheets).

A formal request will need to be made for the return of this loan.

An empty folder has been placed in the Herbarium with the above information.

PRIORITY 4

Grevillea astericosa Diels

There are currently no collections of this taxon in the Herbarium. However, 29 specimens have been recorded on WAHERB. The loans paperwork does not include this species on loan. An exhaustive search in the wings has failed to locate the collections.

An empty folder has been placed in the wings on the 21 Sept. 1994 with the above note. An EMAIL message has been send to all staff asking if they know where the collections are.

PRIORITY 2

Grevillea integrifolia subsp. *Eneabba* (P. Olde 91/103)

There are no collections of this taxon in the Herbarium and staff are not familiar with this entity. The only available information is a letter attached to the conservation flora file from P. Olde, dated 19 May 1992. Ken Atkins was informed that a collection is needed and he has written to Peter requesting information and specimen (as of 20 Oct. 1994). An answer has yet to be received.

An empty folder has been placed in the Herbarium with the above note and copy of letter from P. Olde.

PRIORITY 1

Leucopogon sp. Munghlinup (K.R. Newbey 8123)

We currently do not have this collection in the Herbarium.

According to the loans, this collection was sent to Jocelyn Powell (NSW) in 1981.

Elizabeth Brown at NSW (pers. comm. 12 Sept. 1994) said it would be very difficult to locate this collection if no other details can be forwarded.

There are few details on the conservation flora file except a short description compiled by K. Newbey in 1980 which I have forwarded.

Elizabeth will continue to search for this collection.

PRIORITY 1

Monotoca sp. Mt Maxwell (K.R. Newbey 4727)

There are currently no collections of this taxon in the Herbarium. According to paperwork attached to the conservation flora file, this collection has been given the manuscript name of *M. aristata*. According to the loans paperwork, the collection was sent on loan to Jocelyn Powell (NSW) several years ago. Elizabeth Brown at NSW (pers. comm. 12 Sept. 1994) has located this collection and several other PERTH sheets annotated as *M. aristata* ms. These collections will be returned to PERTH if Jocelyn does not need them (unlikely) within the next 4-6 weeks (end of October 1994).

PRIORITY 1

Nicotiana heterantha Symon & Kenneally

There are currently no collections of this taxon in the Herbarium. According to Kevin Kenneally (pers. comm. 3 Aug. 1994) the PERTH specimens are on loan to David Symon (AD). A fax was sent to AD on the 4 Aug. 1994 requesting their return. An answer was received on the 5 Aug. assuring their prompt return. They have yet to be received.

PRIORITY 2

Platysace sp. Yalgorup

This taxon is based on a Malcolm Trudgen collection which is not in the Herbarium. Malcolm has been made aware of this (on 9 Sept. 1994) and will locate this specimen as soon as possible.

PRIORITY 2

Thryptomene sp. Mt Channar (M.E.Trudgen 4920)

This taxon is based on a Malcolm Trudgen collection which is not in the Herbarium. Malcolm has been made aware of this (on 12 Sept. 1994) and will locate this specimen as soon as possible.

PART FOUR. TAXA THAT HAVE BEEN EXAMINED BUT UNABLE TO BE RESOLVED.

PRIORITY 2

Conospermum sp. Scott River (Wittwer 1242)

There are no collections of this taxon in the Herbarium. Its whereabouts is not known. There also appears to be an anomaly with the citation of the voucher as WAHERB records Wittwer 1242 as *Eriostemon glaber*. This particular collection is currently on loan to MEL (93-007).

APPENDIX 1

A listing of those taxa on the Declared Rare and Priority Flora List based ONLY on collections held in other Herbaria.

NAME OF TAXON	CODE	HOUSED AT
<i>Beyeria lepidopetala</i> .	DRF	MEL
<i>Dampiera eriantha</i>	P1	AD, MEL, NSW
<i>Dampiera fitzgeraldensis</i>	P2	NSW
<i>Dicrastylis gilesii</i> var. <i>bagotensis</i> forma <i>brevipila</i>	P1	AD, K, NT
<i>Dicrastylis gilesii</i> var. <i>bagotensis</i> forma <i>irregularis</i>	P1	AD, B, E
<i>Eremophyllum hemisphaericum</i>	P1	MEL
<i>Gonocarpus ericifolius</i>	P2	CBG
<i>Goodenia anfracta</i>	P1	AD
<i>Goodenia pallida</i> -	P1	NSW, SYD *
<i>Labichea deserticola</i>	P1	AD, MEL, NSW
<i>Lachnostachys ferruginea</i> var. <i>ferruginea</i> forma <i>reticulata</i>	P1	AD
<i>Leptomeria dielsiana</i>	DRF	MEL
<i>Phlegmatospermum richardsii</i>	P1	AD, MEL
<i>Picris wagenitzii</i>	P1	K, MEL
<i>Ptilotus appendiculatus</i> var. <i>minor</i>	P1	BRI
<i>Ptilotus fasciculatus</i>	DRF	MEL
<i>Rumex crystallinus</i>	P1	MEL
<i>Scaevola macrophylla</i>	DRF	BM, MEL, P, W
<i>Tetralthea fasciculata</i>	DRF	MEL

INDEX

DECLARED RARE

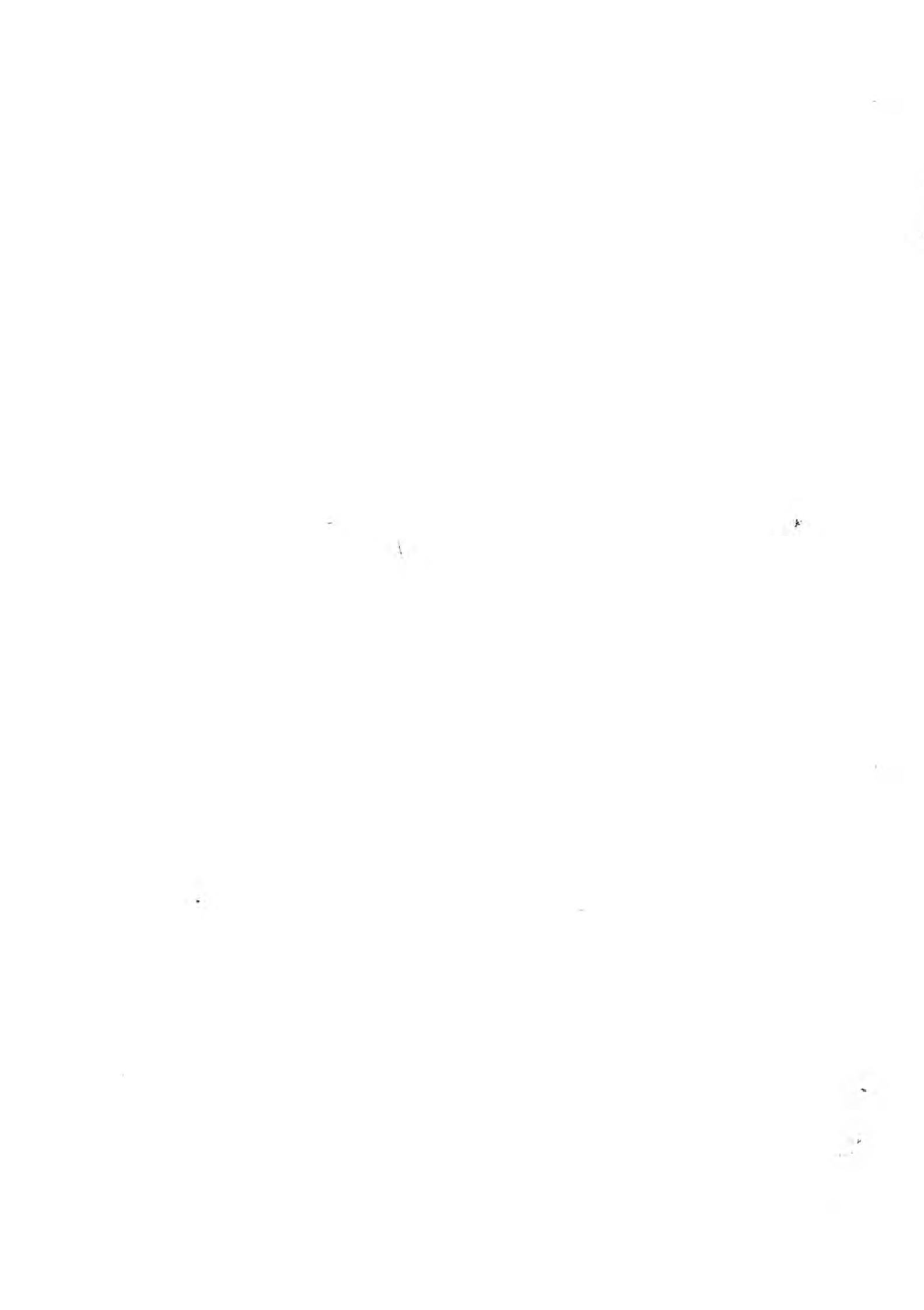
<i>Acacia</i> sp. Dandaragan (S.van Leeuwin 269)	7
<i>Darwinia</i> <i>apiculata</i>	19
<i>Epiblema</i> <i>grandiflorum</i> var. <i>cyanea</i>	30
<i>Thelymitra</i> <i>dedmaniarum</i>	77

PRESUMED EXTINCT

<i>Beyeria</i> <i>lepidopetala</i>	11
<i>Frankenia</i> <i>conferta</i>	102
<i>Frankenia</i> <i>decurrens</i>	104
<i>Frankenia</i> <i>parvula</i>	34
<i>Gyneria</i> <i>drummondii</i>	35
<i>Lepidium</i> <i>drummondii</i>	50
<i>Leptomeria</i> <i>dielsiana</i>	52
<i>Leptomeria</i> <i>laxa</i>	53
<i>Leucopogon</i> <i>marginatus</i>	54
<i>Opercularis</i> <i>acolyantha</i>	57
<i>Pseudanthus</i> <i>nematophorus</i>	66
<i>Ptilotus</i> <i>fasciculatus</i>	65
<i>Scaevola</i> <i>macrophylla</i>	70
<i>Taraxacum</i> <i>cygnorum</i>	75
<i>Tetratheca</i> <i>fasciculata</i>	76

PRIORITY 1

<i>Amyema</i> sp. Fortescue (M.E.Trudgen 5358)	8
<i>Baeckea</i> sp. Western Australia (J.Drummond s.n.)	10
<i>Brachysema</i> sp. Williamson (G.J.Keighery 12719)	82
<i>Cryptandra</i> <i>glabrata</i> Steud.	14
<i>Dampiera</i> <i>dielsii</i>	16
<i>Dampiera</i> <i>eriantha</i>	17
<i>Darwinia</i> sp. Mt Baring (K.R.Newbey 9775)	22
<i>Dicrasyllis</i> <i>gilesii</i> var. <i>bagotensis</i> forma <i>brevipila</i>	26
<i>Dicrasyllis</i> <i>gilesii</i> var. <i>bagotensis</i> forma <i>irregularis</i>	27
<i>Didymoplexis</i> <i>pallens</i>	28
<i>Eremophila</i> <i>annosocaula</i>	85
<i>Eremophila</i> <i>arguta</i>	86
<i>Eremophila</i> <i>attenuata</i>	87
<i>Eremophila</i> <i>aureivisca</i>	88
<i>Eremophila</i> <i>coacta</i>	89
<i>Eremophila</i> <i>congesta</i>	90
<i>Eremophila</i> <i>everta</i>	91
<i>Eremophila</i> <i>gracillina</i>	92
<i>Eremophila</i> <i>hirsuta</i>	94
<i>Eremophila</i> <i>pilosa</i>	97
<i>Eremophila</i> <i>retropila</i>	98
<i>Eremophila</i> <i>rigens</i>	99
<i>Eremophila</i> <i>rigida</i>	100
<i>Eremophyllum</i> <i>hemisphaericum</i>	31
<i>Eucalyptus</i> sp. Marandoo (M.E.Trudgen 10362)	32
<i>Goodenia</i> <i>anfracta</i>	38
<i>Goodenia</i> <i>pallida</i>	39
<i>Grevillea</i> sp. <i>Eragilga</i> (P.Olde 9196)	40
<i>Gunniopsis</i> sp. Fortescue (M.E.Trudgen 11019)	41
<i>Hemiandra</i> sp. Dowerin	44
<i>Josephinia</i> sp. Marandoo (M.E.Trudgen 1554)	47
<i>Labichea</i> <i>deserticola</i>	48
<i>Lachnostachys</i> <i>ferruginea</i> var. <i>ferruginea</i> forma <i>reticulata</i>	49
<i>Lepidosperma</i> <i>rostratum</i>	51
<i>Leucopogon</i> sp. Munghlinup (K.R.Newbey 8123)	107



Mimulus clementii	56
Monotoca sp. Mt Maxwell (K.R.Newbey 4727)	108
Nicotiana heterantha	109
Phlegmatospermum richardsii	59
Phyllanthus indigoferoides	60
Picris wagenitzii	61
Ptilotus appendiculatus var. minor	64
Rumex crystallinus	68
Stemodia linophylla	72
Stylidium sp. Coolcalalaya (A.H. Burbidge s.n.)	73
Synaphea sp. Moora (A.S.George 17055)	74
Trymalium litorale	79
PRIORITY 2	
Angianthus newbeyi	9
Astroloma microphyllum	80
Astroloma sp. Yalgorup	81
Caesia viscida	83
Calandrinia dielsii	84
Calochilus sp. Hopetoun (H. Taylor s.n.)	13
Conospermum sp. Scott River (Wittwer 1242)	112
Dampiera fitzgeraldensis	18
Darwinia sp. Peak Charles (A.S.George 10627)	24
Darwinia sp. Thumb Peak (K.R.Newbey 4847)	25
Eremophila occidens	95
Eremophila pallida	96
Frankenia confusa	103
Gompholobium eatoniae	36
Gonocarpus ericifolius	37
Grevillea integrifolia subsp. Eneabba (P.Olde 91/103)	106
Hakea rigida	42
Hakea undulata - limestone form (B.Keighery & N.Gibson 237)	43
Indigofera ixocarpa	45
Isoetes brevicula	46
Mitrasacme sp. South-west (G.J.Keighery 343)	55
Paracaleana sp. Nuytsland (A.P.Brown s.n.)	58
Platysace sp. Yalgorup	110
Restio isomorphus	67
Thryptomene sp. Mt Channar (M.E.Trudgen 4920)	111
PRIORITY 3	
Bulbine pendula Keighery ms	12
Cynanchum sp. Hamersley (M.E.Trudgen 2302)	15
Darwinia sp. Morowa (C.A.Gardner 2662)	21
Flaveria sp. Tom Price (M.E. Trudgen 11246)	33
Plantago sp. Hamersley (M.E.Trudgen 11207)	62
Polymeria sp. Hamersley (M.E.Trudgen 11353)	63
Rumic astrum charmaecladum	69
Sida sp. Marandoo (M.E.Trudgen 10976)	71
Thelymitra jacksonii	78
PRIORITY 4	
Darwinia sp. Chiddarcooping (S.D.Hopper 6944)	20
Darwinia sp. Mt Burdett (N.G.Marchant 80/42)	23
Drosera graniticola	29
Eremophila hillii	93
Eucalyptus sp. Bluff Knoll	101
Grevillea astericosa	105

