



# ENDANGERED!



BRACHYSEMA  
SUBCORDATUM



HIBBERTIA  
BRACTEOSA



BILLARDIERA  
GRANULATA



APIUM  
PROSTRATUM



VILLARSIA  
CALTHIFOLIA

## P O R O N G U R U P   P L A N T S

THE Porongurup Range National Park, a line of granite hills 30 km north-east of Albany well known for its scenic views and walks, has a rich flora of about 500 species of flowering plants. Many, including the karri, are at the inland margins of their geographic range.

Five plants are confined within the Park boundary: *Brachysema subcordatum*, *Hibbertia bracteosa*, *Billardiera granulata*, *Apium prostratum* ssp. nov. and *Villarsia calthifolia*. Because of their limited range, any long term change in the climate (viz the greenhouse effect) or park management (increased tourism, frequent bushfires) could be disastrous. The species are

constantly monitored. All were surveyed in 1986 and populations mapped.

*Billardiera granulata*, a post fire vine, is very abundant, although only found within the Range. The others are less common and have been gazetted rare.

*Brachysema subcordatum*, *Hibbertia bracteosa* and *Villarsia calthifolia* are largely confined to the Range's massive granite slopes. They are currently secure, being in a National Park, but could be damaged by trampling (along walk trails), drought (there was a massive collapse of *Hibbertia bracteosa* in 1986, but numerous seedlings were recorded after good rains in 1987/88) and fire (all are killed by hot fires, although seedlings of *Villarsia calthifolia* have

only been found after fire has killed the adult plants).

All are very attractive and easily grown. *Villarsia* in particular could prove a very attractive pot plant.

The final plant in this group is *Apium prostratum*. It is a subspecies of native celery. First collected by botanist Baron Ferdinand Von Mueller in 1867, it was rediscovered in 1986 along creeks in the karri forest in the Park. The area where it grows has been invaded by the garden escape, *Myosotis sylvatica* (Forget-me-not), but given correct management it is likely that the *Apium* will continue to form part of the rich floral heritage of the Porongurup Range.

TEXT - GREG KEIGHREY

# LANDSCOPE

VOLUME 4 NO 4 WINTER EDITION 1989



*Effluent disposal ponds from industry disfigure an idyllic strip of coastal land. But restoration work and a new conservation park are planned for the Leschenault Peninsula, near Bunbury. Turn to p.8.*



*Wood that was once only suitable for firewood can now be used to make high grade furniture. Find out how on p.24.*



*With spring approaching, the bush beckons...but without proper planning your walk could turn to disaster. See p.40.*



*A spectacular landscape, with an astounding array of plants and animals lies inland from Jurien Bay. Read about the Mt Lesueur area on p.28.*



*A population explosion of coral-eating snails threatens the unique reefs of Ningaloo Marine Park. How does CALM plan to counter their attack? See p.14.*

## COVER



*In W.A.'s far north, Aboriginal rangers with ties to land now in national parks draw on the traditional wisdom of their people for use in Park management. Photo-Robert Garvey*

## FEATURES

- |                                      |    |
|--------------------------------------|----|
| THE GREAT ESCAPE                     | 8  |
| BOB CHANDLER                         |    |
| FATAL ATTRACTION                     | 14 |
| JIM STODDART                         |    |
| FRIENDS FOR LIFE                     | 21 |
| KYLIE BYFIELD                        |    |
| VALWOOD, NEW WOOD                    | 24 |
| RAY BAILEY                           |    |
| MT LESUEUR - JURIEN JEWEL            | 28 |
| ANGUS HOPKINS & STEVE HOPPER         |    |
| FRAGRANT HARVEST                     | 35 |
| IAN KEALLEY                          |    |
| WALK ON THE WILD SIDE                | 40 |
| KYLIE BYFIELD                        |    |
| IF YOU GO DOWN TO THE WOODS TODAY... | 46 |
| CAROLYN THOMSON                      |    |

- |                                |    |
|--------------------------------|----|
| ANCIENT DREAMS, NEW DIRECTIONS | 47 |
| CHRIS HAYNES                   |    |
| MARRI FOR MONEY                | 50 |
| CLIFF WINFIELD                 |    |

## REGULARS

- |                              |    |
|------------------------------|----|
| IN PERSPECTIVE               | 4  |
| BUSH TELEGRAPH               | 6  |
| ENDANGERED PORONGURUP PLANTS | 34 |
| URBAN ANTICS                 | 54 |

## SPECIALS

- |                   |    |
|-------------------|----|
| PHOTO COMPETITION | 55 |
|-------------------|----|

Managing Editor: Sweton Stewart  
 Editor: Carolyn Thomson  
 Designers: Craig Garratt/Robyn Mundy  
 Production: Karen Addison/Margaret Wilke  
 Advertising: Tim Langford-Smith ☎ (09) 389 8644 Fax: 389 8266  
 Acknowledgements: Cartoon-Louise Burch. Illustrations-Ian Dickinson  
 Coral illustration p. 20 - (from an original illustration by Jeff Kelly)  
 © Australian Institute for Marine Science  
 Urban Antics Road Sign-Courtesy of Perth City Council  
 Colour Separations by Gibbneys Graphics  
 Printed in Western Australia by Kaleidoscope  
 © ISSN 0815-4465 All material copyright. No part of the contents of the publication may be reproduced without the consent of the publishers



Published by Dr S Shea, Executive Director,  
 Department of Conservation and Land Management,  
 50 Hayman Road, Como, Western Australia 6152.