

Woolly pear  
(*Xylomelum aegyptioides*)

# RESEARCH NEWS

LIBRARY ARCHIVE  
NOT FOR LOAN

The newsletter of the Research Division of the Department of Conservation and Land Management

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## Outside Cover

### TREE CD

Forestry Abstracts, Forest Products Abstracts and Agroforestry Abstracts from 1973 to 1991 are now available at the Como Branch Library on CD-ROM.

CALM have purchased TREE CD which will eventually cover all abstracts relating to forestry back to 1939. The abstracts index journals, monographs, theses, technical reports and other material from over 100 countries.

If you want to conduct a literature search in person, you can come to the Como Library between 8.30 and 4.30 to be shown how to use the system, so that you can browse at your leisure. If you are unable to visit the library phone the Librarian on 367 0324 or 367 0314 to arrange for her to conduct the search for you. Abstracts can be downloaded into a 3 1/2 or 5 1/4 inch floppy disk.

There is no charge for using TREE CD.

*Elaine Davison*

#### DEADLINE FOR NEXT ISSUE

22 May 1992

#### DISTRIBUTION

Late May

#### HELP HELP HELP

We urgently need contributions  
to our wonderful informative!  
Newsletter



## RDPG MINUTES

Notes from RDPG meeting held on 2 April, 1992 at Dwellingup.

### Budget

The budget report covers 77% of the year and the Research Division is currently 66% spent. Concern was expressed over the problems Research Division are having with accounts not being up to date.

### Program Leadership of Plantation Silviculture Program

RDPG approved that as from 8 April Richard Moore will be the new Program Leader of Plantation Silviculture. John McGrath has been Program Leader since the inception of the program structure in 1987. RDPG thanked John for his contribution to the administration of the Division over the past five years.

### Research Seminars

RDPG forwarded a memo to all Regional Managers and District Managers in the south-west, offering to repeat Research Division Seminars in that area. It was impressed the importance of Scientists making contact when in an area via a seminar and it was agreed that even though the response was disappointing, the following be approached to give a seminar when in the area:-

*Ian Abbott - Leafminer seminar at Collie and/or Harvey*

*Gordon Friend - Repeat parts of both of his seminars at Narrogin*

*Nicky Marlow - Seminar on Foxes at Narrogin*

*Barbara Rye & Neville Marchant - Seminar in Narrogin*

The question of improving links with the Forest Regions was discussed. Researchers should become involved in Regional meetings or make contact with Regions wherever possible.

It was agreed that Field Advice Forms be forwarded to RCMs for staff to complete prior to taking a field trip and a copy to be forwarded (by fax if necessary) to the region for their information.

### Other Research Carried out within CALM

It is proposed to include this Section in the Research Plan immediately after the Research Division programs as Part 14.

### Profits from Book Sales

The question of profits from book sales going to Corporate Relations was discussed by members. It was agreed that Andrew Burbidge will discuss this at Finance and Budget and report back to RDPG.

### Publication Submission Form

The Publication submission form is currently being redrafted.

**G Stoneman** will be returning to Research Division following the Easter break. Geoff will be working at Como Research in the Native Forest Silviculture area.

### Scientific Publications Editorial Committee

*The above Committee has re-commenced and is progressing well, members are:-*

*Frank McKinnell, Director, Information Resources*

*Ian Abbott, Principal Research Scientist (Chair)*

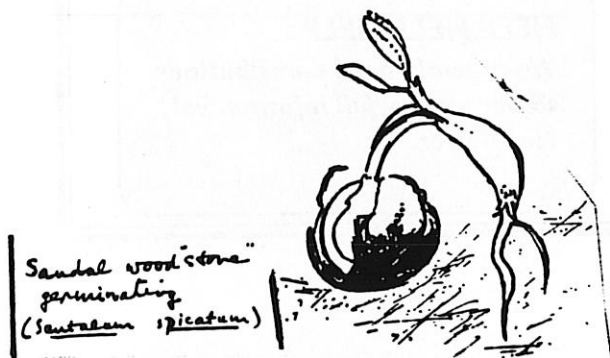
*Kevin Kenneally, Principal Research Scientist*

*Gordon Friend, Principal Research Scientist*

*Stuart Crombie, Research Scientist*

*Marianne Lewis, (Secretary)*

**Next Meeting - 14 May, 1992 at Wildlife Research Centre, Woodvale.**



## NEW POLICY STATEMENTS

No 41 - Beekeeping on Public Land

No 42 - Staff Counselling;

and

No 43 - Occupational Rehabilitation

Three new policy statements have been released. If you wish to see any of these in detailed form, please ring Christine or Jill at Woodvale.

## REVISED POLICIES (for staff's information)

No 9 - Conservation of Threatened Flora in the Wild;

No. 29 - Captive Breeding and Cultivaion of Threatened Species and their Re-establishment or Translocation in the Wild;

No. 33 - Conservation of Threatened and Specially Protected Fauna in the Wild.

These policies were revised concurrently to ensure integration and to standardise terminology.

## Submission of MSS

All scientists are requested to inform Marianne Lewis (Como Research Centre) whether they will be submitting any MSS for publication in Research Bulletins, Technical Papers or Occasional Papers.

Your co-operation will help Marianne manage the editorial process more efficiently.

The following information should be submitted:

*Author(s):*

*Research Program:*

*Title (a working title will do):*

*Type of publication (Research Bulletin, Technical Paper or Occasional Paper):*

*Approximate length (printed A4 pages): eg <20pp, >100pp*

*Target month for submission of MS to Scientific Editor:*

*The period to be covered is May 92 to June 93 inclusive.*

*Ian Abbott  
Principal Research Scientist*





## Scientific and Technical Publications

The following have recently been approved for submission for publication.

- |  |  |
|--|--|
| Author(s): T.B. Butcher and E.R. Hopkins   | Author: S.A. Halse   |
| Title: Realised gains from breeding <i>Pinus pinaster</i>  | Title: A preview of natural history studies at Lake Gregory  |
| For publication in: Forest ecology and management  | For publication in: Abstract for talk to Aust Society for Limnology  |
| Authors: S.A. Halse, M.R. Williams, R.P. Jaensch and J.A.K. Lane   | Author: G. Perry   |
| Title: Relationship between wetland characteristics and waterbird usage of Wetlands in South-western Australia | Title: Proposals to amend Art. 48.1 of the code  |
| For publication in: Wildlife Research  | For publication in: Taxon  |
| Authors: N.L. McKenzie and R.J. Cole   | Author: G. Perry   |
| Title: Lesser Hairy-footed Dunnart, <i>Sminthopsis youngsoni</i>   | Title: Proposals to amend Art. 7 of the code   |
| For publication in: The Australian Museum Complete Book of Australian Mammals                                  | For publication in: Taxon  |
| Authors: N.L. McKenzie and K.D. Morris   | Authors: G. Perry and J. McNeill   |
| Title: Golden Bandicoot: <i>Isodon auratus</i>   | Title: Proposals to clarify the provisions for conserving and rejecting names under Art. 69.3 and Art. 14                                    |
| For publication in: The Australian Museum Complete Book of Mammals   | For publication in: Taxon  |
| Authors: D.J. Pearson and N.L. McKenzie  | Authors: G. Perry, W. Greuter and P.G. Wilson  |
| Title: Hairy-footed Dunnart <i>Sminthopsis hirtipes</i>  | Title: A proposal to amend Art. 57.2 and an editorial proposal affecting Art. 57   |
| For publication in: The Australian Museum Complete Book of Mammals   | For publication in: Taxon  |
| Author: D.J. Coates  | Authors: G. Perry and V. Demoulin  |
| Title: Genetic consequences of a bottleneck in <i>Stylidium coroniforme</i>                                    | Title: Proposals to amend Art 14.8 of the code   |
| For publication in: Heredity   | For publication in: Taxon  |
| Author: Suzanne Curry  | Authors: G.K. Brennan, W.R. Hanks and S.L. Ward  |
| Title: A Man of Science  | Title: Processing plantation grown Tasmanian blue gum into VALWOOD   |
| For publication in: Landscape  | For publication in: WURC Technical Report No. 41   |
| Authors: J.S. Pate and S.D. Hopper   | Author: I Abbott   |
| Title: Rare and common plants in ecosystems, with special reference to the South West Australian flora         | Title: Minimizing insect pests in eucalypt plantations: A review in the context of the concepts of optimal area, polycultures and patchiness |
| For publication in: Ecosystem function of Biodiversity   | For publication in: Australian Forestry  |

## Research Project Plans

The following Research Project Plans have been approved this month.

- |   |  |
|---|--|
| No: 4/92  | No: 7/92   |
| Title: Pruning and thinning in pine timberbelts | Title: The effect of fox baiting programs on the conservation of Chuditch <i>Dasyurus geoffroi</i> |
| Supervising Scientist: R Moore                  | Supervising Scientist: K D Morris  |
| No: 6/92  |  |
| Title: Research Site Register                   |  |
| Supervising Scientist: M Choo/Y Woods           |  |



**SEMINAR**

Thursday 7 May 1992

**LANDCARE PACKAGE USING TREES TO REDUCE LAND DEGRADATION  
ON THE SOUTH COAST OF WESTERN AUSTRALIA**

by David Bicknell  
Revegetation Development Officer  
Department of Agriculture - Esperance

Land degradation on the South Coast sandplain soils of Western Australia is a severe and increasing problem.

The area is prone to severe wind erosion and rising watertables leading to potentially serious salinity problems even though clearing and agricultural development on most of the area has taken place since the 1950s.

A project was proposed by Richard Moore (CALM Busselton), and funded by the NSCP to investigate managed tree windbreaks in agriculture. The project was based in Esperance, and ran from March 1988 until February 1991.

Monitoring of a farmer's pine windbreak showed large crop yield gains from shelter, a drawdown in the watertable, and significant reduction in wind erosion.

Tree planting to control wind erosion and salinity rose from about 250 000 at the start of the project, to about 750 000 in 1990. There was also an increased demand for information on saltland recovery using trees, commercial opportunities, and whole-farm planning.

Venue:  
Como Training Centre  
CALM SOHG  
Hayman Road, Como

Time: 3.00pm





(*Hakea invaginata*)  
-bid. bak' hakea.

## Seminar

Friday 15th May, 1992

# Standardising Species Names and Codes

by Paul Gioia

Assertion #1: *Species names were designed in the 19th century to completely frustrate the requirement to efficiently and effectively manage and analyse species data in a modern computing environment.*

Names can have the properties of being: non-static, non-unique, ambiguous, obsolete, verbose, sycophantic, open to dispute and occasionally useful in communicating the identity of a taxon.

Assertion #2: *Scientists often make lousy databasers.*

Species databases may not live beyond the employment of their owners. They may be redundant. They may use coding schemes known only by one or two people who are retiring or planning to be run over by a bus.

Assertion #3: *Scientists are suspicious of computer programmers because they invariably make life more difficult for the scientist in the interests of making things simpler for the computer.*

A methodology and a set of guidelines will be presented covering the issues of standard master lists and coding schemes and the problems of taxonomic revisions. These guidelines will be strongly recommended.

A set of software tools to facilitate species data entry and management (vis-a-vis WACENSUS and SEDIT) will be demonstrated *live*. These tools allow the automatic validation of a name and its currency and will cross-reference to other relevant names. Synonymy, misapplication and concept changes are supported.

Venue: CALM Wildlife Research Centre  
Ocean Reef Road (near Joondalup Drive)  
Woodvale

Time: 3.00pm