

## INDIGENOTES

ISSUE NUMBER 10, FEBRUARY 1988.

### **February Meeting**

#### **Note new venue**

This month's meeting will be held on Tuesday February 23rd, at the Environment Centre, which is located on the first floor, Ross House, 247 Flinders Lane, Melbourne (between Swanston and Elizabeth streets). To get in, press the call button on the right hand side of the door. The meeting will start at 8 p.m. Bring something to show.

This meeting will be held at the Environment Centre on Tuesday March 29th, at 8

Contributions to Indigenotes should be typed if possible, and sent to the newsletter coordinator, Tony Faithfull, 10 Alsace Street, Brunswick East 3057, by the second Tuesday of each month.

IFFA meets on the last Tuesday of each month excluding December, at the Environment Centre, at 8 p.m.

Membership costs \$10 for ordinary members, and \$20 for families and organizations. Membership should be sent to the Treasurer, Dale Tonkinson, C/o Botay Department, Latrobe University, Bundoora 3083.

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## January Meeting Report

On Tuesday January 26th (the Australia Day Holiday) a small group of IFFA members met at Buckley's Falls, which is located on the Barwon River some 5 miles northwest of Geelong.

After a pleasant and refreshing lunch beside the river, we all tramped off to explore the area.

The river valley is very wide and deeply incised having carved its way through basalt. Apart from extensive areas of riparian vegetation along its edge, the area provides spectacular views of the river valley with its impressive escarpments and rocky outcrops.

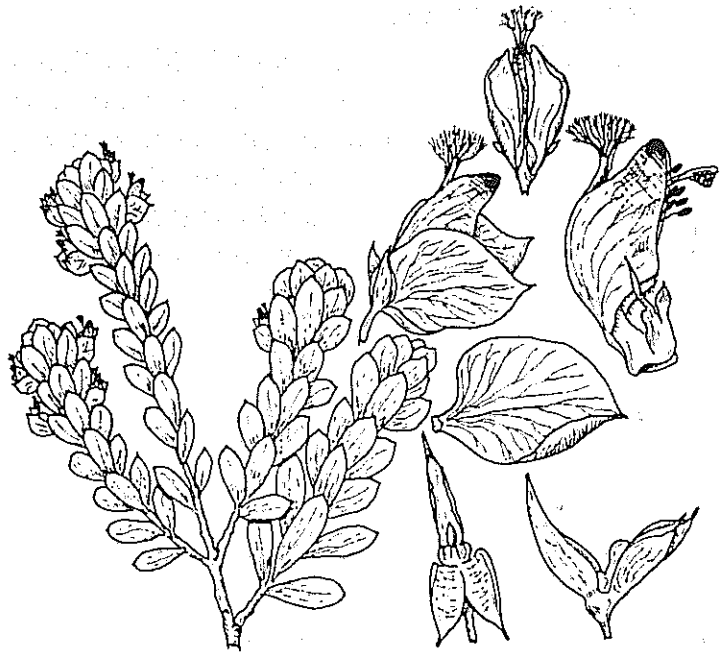
A water race was constructed last century along the edge of the river to channel water to a water wheel (now gone) and provide power to the "historic" paper mills located on the edge of the escarpment above the river; quite an engineering feat. The water race has been recently restored causing the flooding of some riparian vegetation.

There has been extensive weed invasion into the river valley with much of the indigenous flora being replaced by Boxthorn, Hawthorn, and *Polygala*. Various cacti and succulents have colonized the rocky escarpments. Within this sea of weeds there are still patches of Kangaroo Grass which give some insight into the original vegetation.

This stretch of river is clearly of conservation and recreational importance and warrants a concerted effort on the part of the various councils and agencies to undertake proper management and revegetation of the area.

The group departed at dusk after a tiring but stimulating exploration of the area.

- Darcy Duggan.



*Polygala myrtifolia*

# UPDATE ON OPERATION REVEGETATION COMMUNITY NURSERY

Operation Revegetation is a community nursery run by the Knox Environment Society Inc. It specialises in growing local bushland plants of the Melbourne area because of their increasing rarity, their adaptations to our local environment and their ability to support and attract local wildlife. The nursery encourages revegetation by providing plants for sale to the public at extremely cheap rates. The nursery is located at the rear of Ferntree Gully High School (Melways map 75 ref A2) and is open to the public on Sundays from 10 to 12 and 2 to 4 p.m.

In addition to establishing and running a community nursery, Operation Revegetation has initiated several exciting projects in the past couple of years. The first of these is the creation of an indigenous display garden. On property in Boronia we have been replanting a 1/3 acre garden to recreate examples of local vegetation types and establish specimens of all our local plant species. We have already planted over 50,000 plants (including 30,000 native grasses) and achieved astonishing growth rates. Most of the trees planted 2 years ago are over 7 m tall, and some shrubs have reached 3m x 4m in one year! We aim to open this garden to the public as a display garden to educate people about our local flora.

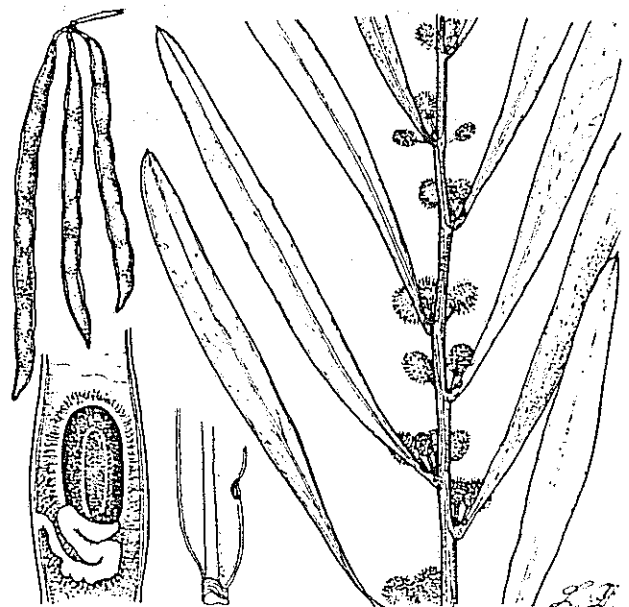
Another interesting project Operation Revegetation has just commenced is the establishment of crops of indigenous plants (especially native grasses) for harvesting large quantities of seed. We have already planted 0.4 ha this year. Currently you cannot obtain seed of most species of native grasses, but in another year or so we hope to be able to sell large quantities collected from crops at this property.

Not only will the native grasses be excellent for revegetation works but many species are useful for things like dune stabilization, fire retardant plantings, lawns and pasture improvement.

Operation Revegetation is the project of a community group which welcomes your involvement and support. Purchasing plants from our nursery will aid in supporting these exciting projects.

Our catalogue is on the following pages.

Andrew Paget,  
Manager,  
Operation Revegetation.



*A. stricta*

# Operation Revegetation

## COMMUNITY NURSERY

## INDIGENOUS PLANTS

# AUTUMN '88 STOCKLIST

Nursery at Ferntree Gully High School  
 open Sundays 10-12 & 2-4  
 Operation Manager, Andrew Paget Ph. 758 5416

CLIMBERS:

Billardiera scandens  
 Glycine clandestina

GROUND COVERS:

Acaena anserinifolia  
 Alternanthera denticulata  
 Cynoglossum latifolium  
 Einadia nutans  
 Kennedia prostrata  
 Veronica gracilis  
 Viola hederacea  
 Wahlenbergia stricta

LOW PLANTS (.1m-1m):

Correa reflexa  
 Dillwynia cinerascens  
     "    sericea  
 Hibbertia stricta  
 Hypericum gramineum  
 Lagenifera gracilis  
 Platylobium obtusangulum  
 Sphaerolobium vimineum

TUFTS:

Arthropodium milleflorum  
 Bulbine bulbosa  
 Caesia parviflora  
 Dianella tasmanica  
 Patersonia occidentalis  
 Stylidium graminifolium

NATIVE GRASSES & SEDGES:

Carex appressa  
 Danthonia spp.  
 Deyeuxia quadriseta  
 Dichelachne rara  
 Echinopogon ovatus  
 Lomandra longifolia  
 Poa morrisii  
 Themeda australis  
 Xanthorrhoea minor

ORCHIDS (Avail. April on):

Diuris longifolia  
 Pterostylis curta  
     "    longifolia  
     "    nutans

COMMON APPLE-BERRY  
 TWINING GLYCINE

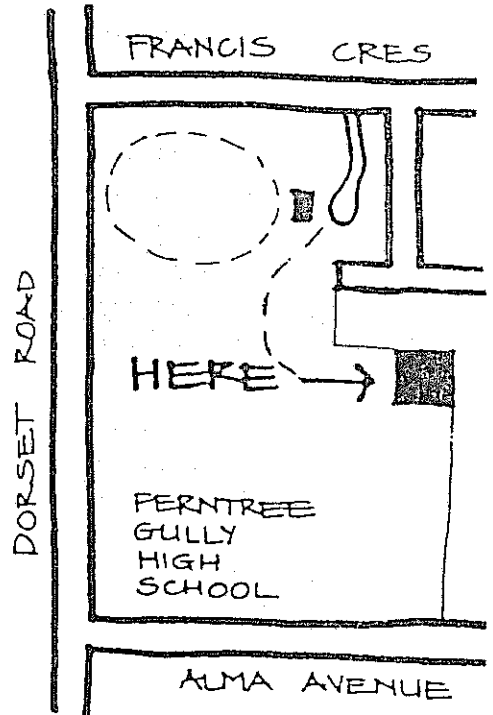
BIDGEE-WIDGEE  
 LESSER JOYWEED  
 FOREST HOUND'S TONGUE  
 NODDING SALTBUSH  
 RUNNING POSTMAN  
 SLENDER SPEEDWELL  
 NATIVE VICLET  
 BLUEBELL

COMMON CORREA  
 GREY PARROT-PEA  
 SILKY "  
 ERECT GUINNEA-FLOWER  
 SMALL ST. JOHN'S WORT  
 SLENDER LAGENIFERA  
 ANGLED FLAT-PEA  
 LEAFLESS GLOBE-PEA

PALE VANILLA-LILY  
 BULBINE LILY  
 PALE GRASS-LILY  
 TASMAN FLAX-LILY  
 LONG-LEAF PURPLE-FLAG  
 GRASS-LEAF TRIGGER-PLANT

TALL SEDGE  
 WALLABY GRASSES  
 REED BENT-GRASS  
 WEEPING PLUME-GRASS  
 HEDGEHOG GRASS  
 LONG-LEAF MAT-RUSH  
 TUSSOCK-GRASS  
 KANGAROO GRASS  
 SMALL GRASS-TREE

(\$3 per pot)  
 DONKEY ORCHID  
 BLUNT GREENHOOD  
 TALL "  
 NODDING "



FORESTRY TUBES 50¢

15cm POTS \$2

ORCHIDS \$3

SMALL SHRUBS (1m-2.5m):

Acacia myrtifolia  
 Bossiaca cinerea  
 Casuarina paludosa  
 " pusilla  
 Daviesia latifolia  
 Goodenia ovata  
 Hakea nodosa  
 " ulicina  
 Indigofera australis  
 Pultanaea gunnii  
 " hispidula  
 " subumbellata  
 Leptospermum myrsinoides  
 Olearia ramulosa

LARGE SHRUBS (2.5m-5m):

Acacia genistifolia  
 " leprosa  
 " paradoxa  
 " pycnantha  
 " stricta  
 Goodia lotifolia  
 Gynatrix pulchella  
 Hakea sericea  
 Helichrysum dendroideum  
 Kunzea ericoides  
 Leptospermum glabrescens  
 " grandifolium  
 " juniperinum  
 " lanigerum  
 Melaleuca ericifolia  
 " squarrosa  
 Pomaderris racemosa  
 Prostanthera lasianthos  
 Solanum laciniatum  
 Spyridium parvifolium  
 Viminaria juncea

SMALL TREES (5m-10m):

Acacia dealbata  
 " mearnsii  
 " melanoxydon  
 Casuarina littoralis  
 Eucalyptus cephalocarpa  
 " ovata  
 Olearia argophylla  
 Pittosporum bicolor  
 Pomaderris aspera

LARGE TREES (over 10m):

Eucalyptus camaldulensis  
 " cypellocarpa  
 " goniocalyx  
 " macrohyncha  
 " melliadora  
 " obliqua  
 " polyanthemus  
 " radiata  
 " viminalis

MYRTLE WATTLE  
 SHOWY BOSSIACA  
 SWAMP SHE-OAK  
 SCRUB SHE-OAK  
 BROAD-LEAF BITTER-PEA  
 HOP GOODENIA  
 YELLOW HAKEA  
 FURZE HAKEA  
 AUSTRAL INDIGO  
 GOLDEN BUSH-PEA  
 RUSTY "  
 SWAMP "  
 SILKY TEA-TREE  
 TWIGGY DAISY-BUSH

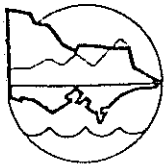
SPREADING WATTLE  
 CINNAMON WATTLE  
 HEDGE WATTLE  
 GOLDEN WATTLE  
 HOP WATTLE  
 GOLDEN-TIP  
 AUSTRALIAN HEMP-BUSH  
 NEEDLE HAKEA  
 TREE EVERLASTING  
 BURGAN  
 SMOOTH TEA-TREE  
 MOUNTAIN "  
 PRICKLY "  
 WOOLY "  
 SWAMP PAPERBARK  
 SCENTED PAPERBARK  
 CLUSTERED POMADERRIS  
 VIC. XMAS BUSH  
 KANGAROO APPLE  
 DUSTY MILLER  
 GOLDEN SPRAY

SILVER WATTLE  
 BLACK WATTLE  
 BLACKWOOD  
 BLACK SHE-OAK  
 MEALY STRINGYBARK  
 SWAMP GUM  
 MUSK DAISY-BUSH  
 BANYALLA  
 HAZEL POMADERRIS

RIVER RED-GUM  
 MOUNTAIN GREY GUM  
 LONG-LEAF BOX  
 RED STRINGYBARK  
 YELLOW BOX  
 MESSMATE STRINGYBARK  
 RED BOX  
 NARROW-LEAF PEPPERMINT  
 MANKA GUM

1988

CELEBRATE OUR  
 BICENTENNIAL  
 BY PLANTING  
 THESE PLANTS  
 WHICH WERE  
 FOUND HERE  
 200 YEARS AGO  
 AND ARE NOW  
 UNCOMMON.



# COMMISSIONER FOR THE ENVIRONMENT

Government of Victoria

Fourth Floor, 464 St. Kilda Road, Melbourne 3004  
Phone: (03) 267 1311

Reference:

## Victorian State of the Environment Report 1988 Aquatic Environments:

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### State of the Environment Reporting :

The Victorian Government, through the State Conservation Strategy, has committed itself to a programme of periodic State of the Environment reporting, to monitor environmental conditions and detect trends affecting environmental quality. The first Victorian report was published in 1986, and annual reports will appear from 1988 onwards, with an Overview report to be published every five years.

State of the Environment reporting is intended to support government initiatives which ensure the maintenance or restoration of ecological environmental quality in this State. Its general aims therefore are:

- to create and maintain a programme for monitoring, assessing and reporting significant trends in environmental conditions in Victoria;
- to provide the basis for widespread public awareness of environmental conditions in this State; and
- to provide information which can be incorporated into government decision-making, policies and initiatives.

### Victorian State of the Environment Report 1988 :

The next annual State of the Environment report will have as its major focus the state and quality of aquatic environments in Victoria. It will include an assessment of both freshwater and marine environments.

#### \* Aims :

1. The State of the Environment report for 1988 will aim to establish the basis for an on-going review of the condition (or state) of inland (streams, rivers, lakes, reservoirs and wetlands) and marine (coastal lagoons, estuaries, bays, and coastal zone) aquatic environments in Victoria.

High priority will be given to the identification of key indicators of the 'health' of the environment. Monitoring for these indicators by appropriate Government agencies will provide data for the review of trends and changes in these important systems.

In this way, the State of the Environment reporting process can be distinguished from many existing monitoring programmes which do not indicate trends, basic ecological changes or the resilience of the environment when under stress from human activities.

One of the purposes of this SER is to identify key indicators of change in aquatic environments. The use of existing data and the creation of a baseline of information through monitoring for these indicators will establish the basis for a review of future trends. Another task is to indicate the effects of change in aquatic environments on sustainable economic activity.

2. The 1988 SER will use available data to assess the present condition of Victoria's inland and marine aquatic environments in relation to:
  - (a) maintenance of the ecological integrity of these systems;
  - (b) consumptive uses (e.g. drinking water, agriculture, industrial);
  - (c) cultural, recreational and aesthetic uses.
3. More generally, the 1988 Victorian State of the Environment report will aim to provide a document which is accessible and useful to the non-scientific community.

The SER will be comprised of a brief summary report which is expressed in laypersons' terms and clearly represents the key findings of the major report, and a more comprehensive report, covering the areas mentioned above. It will incorporate a summary of the year's environmentally significant events, including major administrative and legislative changes, a directory of major government and non-government bodies and organisations primarily concerned with environmental protection. In future reports, the SER will also include a further section on developments in other environmental areas, incorporating reports on additional indicators as these are developed.

4. The 1988 SER will include in its development a process of public involvement which raises community awareness of the issues covered by the report, as well as of the report itself.

\* **Structure and contents:**

Broadly speaking, the 1988 SER report will provide :

- \* a description of the Victorian aquatic ecosystems [marine and freshwater];
- \* a description of the main influences on those systems, including physical modifications, stresses and contaminants; and;
- \* an assessment of the effects of past practices, present conditions and trends.

The Report will place a strong emphasis on trends and on stresses placed on ecological systems by human intervention. It will emphasize the historical developments which underpin present conditions and prospects, and the likely consequences of continued deterioration/change.

The emphasis on historical developments provides an opportunity to engage the public in the production of the report.

The Commissioner for the Environment will invite submissions of anecdotal material, photographic evidence of changes in local environments etc. for incorporation in the report and for addition to an environmental history archive. The report will be structured as follows:

- i) Introduction
- ii) Overview
- iii) Annual areas of special interest  
[1988 : Aquatic environments]
- iv) Indicators of other environmental trends [as available]
- v) Legislation and environmental developments
- vi) Directory to environmental organisations

Its central section, on aquatic environments, will include :

- I Summary of the Current State of the Inland and Marine Aquatic environments, and a historical overview of trends and conditions
- II Inland aquatic environments, including:
  - . Historical overview of trends and conditions
  - . Description of environmental components
  - . Human requirements and uses of marine environments
  - . Physical impacts on :
    - Catchments, Rivers and streams
    - Lakes and wetlands
    - Inland aquatic native and introduced flora and fauna
  - . Assessment of environmental condition and significant issues affecting these areas
- III Marine environments, including :
  - . Historical overview of trends and conditions
  - . Description, in terms of four environmental zones
    - Bass Strait and open sea waters
    - Bays and estuarine environments
    - Coastal wetlands
    - Coastal shoreline environs
  - . Human requirements and uses of marine environments
  - . Physical impacts on :
    - Offshore marine environment
    - Bays and estuarine environment
    - Coastal Wetlands
    - Coastal and shoreline environment
    - Native marine Flora and Fauna and exotic species
  - . Assessment of the environmental condition and significant issues affecting coastal, estuarine and marine areas
- IV Summary of government and private initiatives, and proposals for inland and marine waters and environments