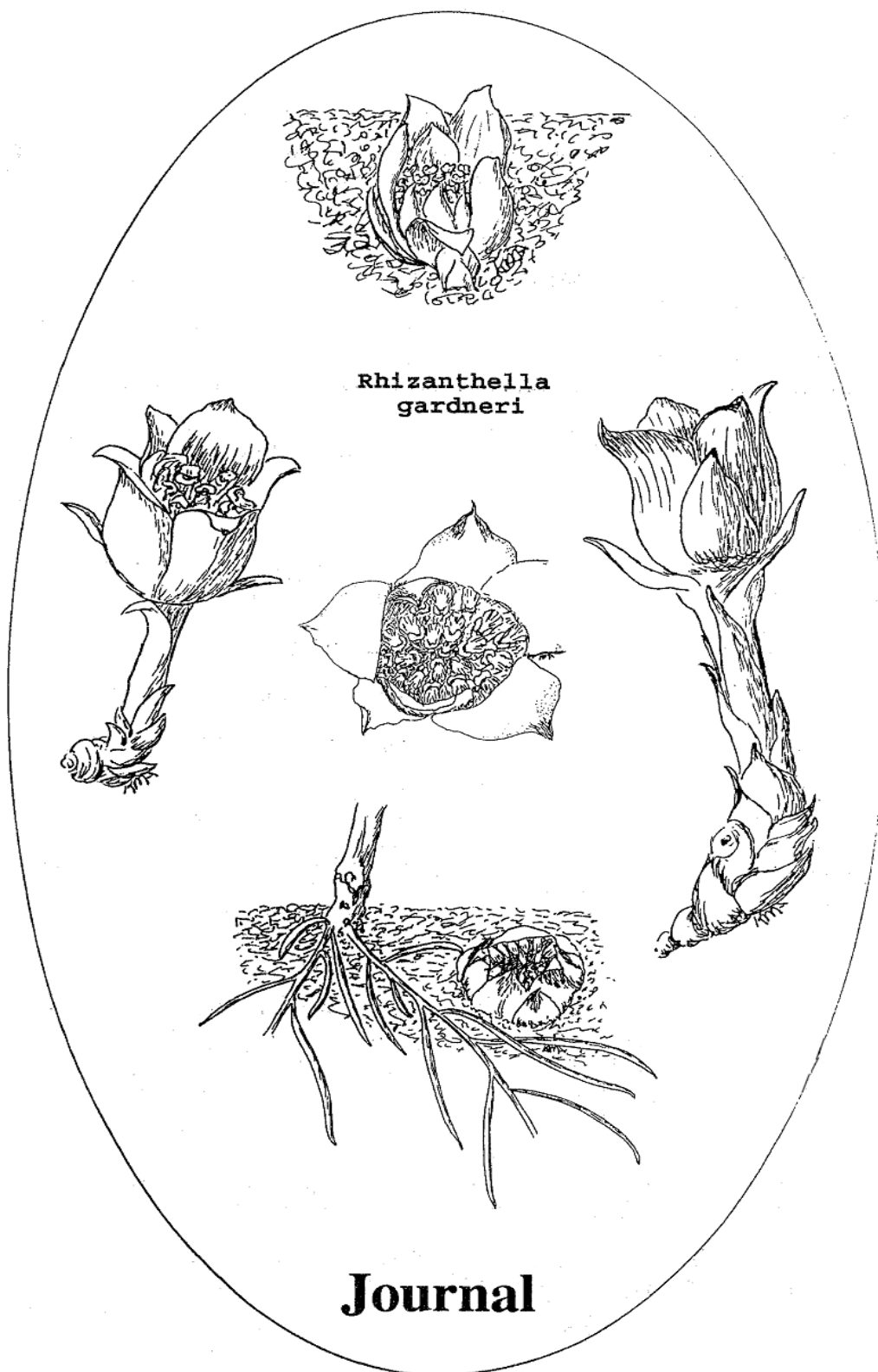


Native Orchid Society of South Australia Inc.



NATIVE ORCHID SOCIETY OF SOUTH AUSTRALIA INC.

P.O Box 565,
UNLEY S.A 5061

The Native Orchid Society of South Australia promotes the conservation of native orchids through cultivation of native orchids, through preservation of naturally-occurring orchid plants and natural habitat.

Except with the documented official representation from the Management Committee of the native orchid society of South Australia, no person is authorised to represent the society on any matter.

All native orchids are protected plants in the wild. Their collection without written Government permit is illegal.

PATRON: Mr T.R.N. Lothian

PRESIDENT:

Mr W. Dear
Telephone: 296 2111

SECRETARY:

Mr G. Carne
Telephone: 332 7730

VICE-PRESIDENT:

Mr R. Hargreaves

TREASURER:

Mr R. T. Robjohns

COMMITTEE:

Mr J. Peace
Mr W. Walloscheck
Mrs K. Possingham
Mrs. T. O'Neill

LIFE MEMBERS:

Mr R. Hargreaves
Mr R. T. Robjohns
Mr L. Nesbitt
Mr D. Wells
Mr J. Simmons
Mr H. Goldsack

EDITOR:

Mr R. Bates
8 Buckley Crescent
Fairview Park S.A. 5126
Telephone 289 2305

REGISTRAR OF JUDGES:

Mr L. Nesbitt

TUBERBANK CO-ORDINATOR:

Mr P. Matthews
Telephone: (08) 263 2423

Views and opinions expressed by the authors of articles within this Journal do not necessarily reflect the views and opinions of the NOSSA Management Committee.

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Price: ONE DOLLAR

NATIVE ORCHID SOCIETY OF SOUTH AUSTRALIA INC

NOVEMBER 1994 VOL. 18. NO. 10 JOURNAL

NOVEMBER MEETING

Tuesday, 22 November, 1994, 8.00 pm: at St Matthews Hall, Bridge Street, Kensington. Doors to the hall will be open at 7.15 pm for those wishing to return books to the library or take in gear for the auction.

Auction and Christmas Social.

Auctioneer Mr Les Nesbitt.

Please bring your excess orchids, ferns and other plants, orchid art work or anything else suitable for auctioning.

Bring your money and join the fun.

Don't forget the basket supper - Bring a plate of gorgeous goodies!

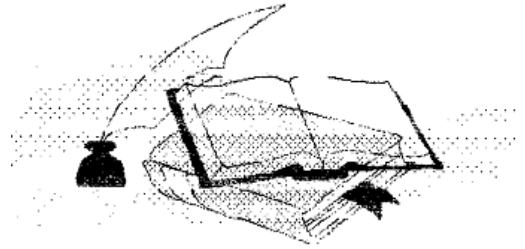
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NEW MEMBER:

The Society takes pleasure in welcoming Mr Peter Lewis of Clarence Gardens

LIBRARY NOTICE

Librarian Wally Walloscheck would like all books returned at the November meeting



DIARY DATES

Nov 19 Field Trip to Carey Gully
 Nov 22 Christmas Break-up and Auction.
 Nov 27 Christmas BBQ at Wally Walloscheck's.
 Dec 4 Duck Orchid Field Trip.
 Dec 18 Conservation Group Outing.
 Jan 15 *Dipodium* Special Field Trip.
 Feb 11 *Spiranthes* Special.

COMMITTEE MEETING

To be held at 7.30 pm Friday November 25th at the home of John Peace.

NEXT FIELD TRIP

Coming Field Trips:

Potato Orchid Special: November 19th.
 Meet at Carey Gully store 10 am.
 Saturday morning walk only.

Duck Orchid Special: December 4th
 Meet Kangarilla Store 4pm.
 Sunday afternoon walk only.



CHRISTMAS BARBECUE

Sunday 27th November at Wally's Vicks Road, Cherry Gardens (Sign on the gate). We provide meat, bread, condiments. You bring a salad and dessert to share. Tables & barbecue if you have one would help. BYO drinks and chairs A donation bowl will be available.

See you there from 11.30 on.

This is our last official function of the year, all members and their families are encouraged to attend.

Special thanks to Wally for making his home available.

ON THE BENCH

Terrestrials: *Caladenia versicolor*, *Diuris* Pioneer, *Diuris picta* (WA), *Diuris sulphurea*, *Diuris punctata* (3), *Glossodia major*, *Lyperanthus suaveolens*, *Microtis unifolia*, *Orthoceras strictum*, *Pterostylis* Cutie, *Pterostylis furcata*, *Pterostylis* Jack Warcup (This last cross was made and registered by George Nieuwenhoven), *Pterostylis* X Ingens, *Pterostylis biseta* (2), *Thelymitra nuda*.

Epiphytes: *Dendrobium beckleri*, *Dendrobium* Ella Victoria Leaney (4), *Dendrobium* Ellen, *Dendrobium gracilicaule*, *Dendrobium kingianum* (11), *Dendrobium kingianum alba*, *Dendrobium linguiforme*, *Dendrobium monophyllum*, *Dendrobium* Pee Wee, *Dendrobium ruppiosum*, *Dendrobium* Star Riverdene X *tetragonum*, *Dendrobium striolatum*, *Dendrobium* X *ruppiosum*, *Rhynchilus* Rona, *Sarcochilus* Devils Tower. *Sarcochilus* Pinkhart (2), *Sarcochilus* Empress, *Sarcochilus* Fitzhart (3), - *Sarcochilus hartmannii* (4), *Sarcochilus* Heidi, *Sarcochilus* Mavis, *Sarcochilus* Melba, *Sarcochilus* Melody, *Sarcochilus* Tigress, *Sarcochilus* unknown, *Parachilus* Perky, *Sarcochilus* Weinhart

Comments - It was interesting to note that two terrestrials ie *Diuris punctata* and *Orthoceras strictum* were growing in pure sphagnum moss and both doing very well!

George Nieuwenhoven gave the commentary on the Terrestrials

Peter Barnes spoke on the Epiphytes.

POPULAR VOTE:

Terrestrials: *Diuris punctata* grown by Les Nesbitt.

Epiphytes: *Dendrobium kingianum* grown by Peter Barnes.

COMMENTATORS CHOICE:

Terrestrials Species: *Diuris sulphurea* 'Golden Dragon' grown by Les Nesbitt

Terrestrial Hybrid: *Dendrobium* Pioneer grown by Edda Viskic

Epiphyte Species: *Sarcochilus hartmannii* grown by Rosalie Moore

Epiphyte Hybrid: *Dendrobium* Melba grown by Jill & Reg Shooter

LAST MONTHS SPEAKER

Bruce Mules spoke on the topic of hot and cold crosses ie plants made by crossing a tropical species with a cold growing (temperate) species.

Advantages

The hybrids should have the following characteristics from their tropical parent

1. Flowers that last a long while
2. Good colour and size
3. Long spikes
4. Possible unusual shapes ie antelope forms.

Together with cold tolerance from the temperate growing parent species. One of the best examples of such a cross is *Dendrobium Sarah Jane*.

Disadvantages

1. One gets few fertile seeds when crossing orchids which are 'poles apart'. Mericlone is a possible solution to the resulting problem of scarce availability, especially since mericlone seems to work better on hybrids of tropical background.
2. The earliest hot and cold crosses were difficult to grow but out of the hybrids made since then there are many easy to grow forms.

Link species: *Dendrobium tetragonum* is one cool species which will freely cross with the tropical ones.

Dendrobium falcorostrum is often used as the cool parent as it is colour recessive and therefore lets the bright colours of the tropical parents shine through on any hybrids.

Collecting seed. As pods of tropical species are slow to grow Bruce uses emptied teabags tied over the seed pods to catch seed before it blows away.

Bruce illustrated his talk with fine slides of the many species and hybrids he grows up at Port Pirie. (See Open Day Report).

OPEN DAY WITH BRUCE MULES AND BOB WORDEN

by Colette Makin

On Saturday September 24th, thirty nine enthusiastic members and friends travelled to Port Pirie, arriving in time for lunch in Bruce's lovely tropical garden which he has created over a period of ten years from Palms, Cycads and ferns. He has been very busy since our last visit developing separate areas for sale of plants and display of his interesting collection of orchids, mostly natives.

The *Dendrobium speciosum*s flowering magnificently, were housed in one area under 70% shade cloth over a frame of 3/4 inch galvanised pipe, although the Queensland epiphytes were under 50% shade cloth. What a sight to behold.

I'm sure many people picked up some great ideas for housing their plants and improving their growing conditions, and, of course, we all went home with more plants to add to our collections. Even those of us who have been heard saying, from time to time, "I'm not

getting any more plants!" We held a raffle for some of Bruce's plants on the way home so some lucky people went home with even more new plants.

Our patient coach driver, Barry, then took us to Bob Worden's in Crystal Brook where visitors had an opportunity to see how Bob grows his Cattleyas and other genera. Our thanks to both Bruce and Bob for their time and hospitality. We all had a great day and were entertained on our way home with a very amusing tape of Len Biddell's description of how the Woomera Rocket Range came into being and how it got its name.

SCOTT CREEK OUTING

by Karen Possingham (Conservation Officer)

On Sunday 18th September a small group of NOSSA members met at Scott Creek to investigate the numbers of flowering *Caladenia gladiolata* and *C. rigida*. After some searching we located a group of flowering *Caladenia gladiolata*. Thelma O'Neil skilfully pollinated the three flowers and we counted some nine leaves of this species. We found lots of interesting spikes not yet in flower so decided to return two weeks later.

On Sunday 2nd October we discovered a lot of orchids in flower but only one flower of *Caladenia rigida*. We searched carefully around the area and found only one leaf. We decided to pollinate the flower. On this visit we also saw *Diuris pardina*, *Pterostylis plumosa*, clumps of *Glossodia major*, many *Caladenia tentaculata*, *Caladenia leptochila*, *Caladenia carnea*, *Thelymitra rubra* and *Thelymitra antennifera*.

The main threat to these orchids seems to be rabbits and weeds!

BELAIR REPORT

The orchids at Belair in our survey sites have been affected by the dry weather. Weeding of boneseed is continuing well with a remarkable result of understorey return once the light is able to penetrate to the ground. The lilies particularly seem able to recover quickly. It is a great reward for our efforts.

Our next survey day is Sunday 18th December at 10 am.

On Tuesday February 14th 1995 there will be a conservation meeting at 61 Salop Street, Beulah Park at 7 pm to plan work in 1995. Everyone is welcome. We will have a garden tour first.

KUITPO

On information received from a NOSSA member a letter was written to Woods & Forests regarding the possible threat to the duck orchid population at Kuitpo by the weed *Monadenia*. This year the population of this weed has increased dramatically despite our efforts to control the population last year by hand-pulling. I will be meeting with the ranger in the next few weeks to locate sites which may require spraying.

HORSE TRAILS IN THE BUSH - DESIRABLE OR DISASTROUS?

by Mark Philips



Recently it has come to the attention of NOSSA that additional trails for horse riding are planned for Belair Recreation Park, Cherry Gardens and Kuitpo. Although we support the rights of horse riders and realise that it is not always safe to ride along roads and often illegal to ride on footpaths it is not desirable to cut up the few remaining bushland areas we have left with a maze of riding trails! Over 90% of bushland in SA has been destroyed since settlement; why can't horse trails be placed across already cleared land?

At Kuitpo we have been dismayed recently to see that horses have been ridden almost daily through the last remaining duck orchid colonies in the Adelaide area.. Any official horse trails through Kuitpo ought to be restricted to pine plantation and cleared areas. Perhaps we shall organise signs ourselves directing horse riders away from sensitive areas.

Volunteers were called for this month to bring their axes and other tools to clear bush from roadside verges along Ackland Hill and Cherry Gardens Roads to make a horse trail. In September several NOSSA members were admiring the hundreds of *Diuris pardina* along the roadside here.

Besides the direct destruction of orchids by horses there are other detrimental affects. Horse manure contains weed and grass seeds. These weeds invade the bush wherever horses walk through!

AUSTRALIAN DENDROBIUMS NO 6

by Sandy Philips

Dendrobium bowmanii:

This common forest and scrubland species was named by British botanist George Bentham, who wrote the first Flora of Australia in 1873, in honour of his friend, collector E. Bowman.

D. bowmanii forms pendulous clumps after the fashion of *D. mortii* and *D. teretifolium*. Like them it has dagger-like terete leaves, often curved. The flowers are few, pale green or tan with a white labellum, the flowers are about 2.5 cm across, occur in ones, twos or threes and are distinguished by the three ridges of the labellum callus and the contrasting flower colours.

Found from northern NSW sporadically through QLD to the Atherton Tablelands coastal or inland. As it has the potential to flower all year round it could be a useful parent in hybridising although it has not been used much as yet probably because upright plants are more popular in breeding.

In the wild all plants in the same area tend to reach peak flowering at the same time even if plants only a few kms away flower at a quite different time.

An easy to grow species but not common in Adelaide perhaps because it is never spectacular in bloom. I have seen it mounted on tree fern and hung in an unheated glasshouse, the plant to 1 metre long.

****NEW BOOK****

DENDROBIUM KINGIANUM A UNIQUE AUSTRALIAN ORCHID

by P. Adams and S. Lawson.

230 pages, 180 colour photos. Regularly \$75

Available to NOSSA members for \$50. See Bill Dear at November meeting if interested

ADOPT AN ENDANGERED SPECIES: REPORT OCTOBER 94

by Bob Bates

Some 20 people have now joined the scheme!

Examples:

Karen Lane of Belair has *Caladenia behrii* on her own private patch of bushland. She has been hand pollinating plants since last year and intends to remove all weeds even *Sparaxis*. Quite a challenge, but worth it if she can build up a large population of this beautiful orchid. As Karen lives close to Watiparinga there is the chance that *C. behrii* will spread into regenerating bushland there.

Dave Davenport of Harrogate found two plants of *Caladenia argocalla* at Mt Beavor on a private reserve belonging to the Downers (family of the Leader of the Opposition). On October 26th I did a detailed survey of the isolated remnant patch of native vegetation and found some 20 orchid species. It will be a miracle if the two *C. argocalla* ever build up into a viable population but even if reintroduction is required it will be worth it as Mt Beavor is the most south easterly location known for this beautiful but endangered orchid. Dave the local Landcare manager is the ideal person to manage the plants.

REDISCOVERY OF A RARE NATURAL HYBRID BETWEEN *DIURIS BREVIFOLIA* & *DIURIS CORYMBOSA*

by Bob Bates

On November 3rd 1994 while doing a plant survey at Mt Billy E&WS reserve at Hindmarsh Valley in an area of damp heath and Bog Gum (*Eucalyptus cosmophylla*) we came across a small colony of an attractive gold and orange flowered Diuris with two brown spots on the dorsal sepal. It was an orchid we had never seen before and it was quite clearly a hybrid. Flowering nearby were isolated plants of *Diuris brevifolia* and about 100 metres away some *Diuris corymbosa* past flowering. This hybrid was unexpected because *Diuris corymbosa* flowers in September - October and *Diuris brevifolia* in November - December. This was not the first time the hybrid had been found however. About forty years ago it was collected near Myponga. As the collection is presently in Canberra no further details are available.

Other orchids of interest at Mt Billy include *Caleana major*, *Calochilus paludosum* and *Prasophyllum australe*, all rare in South Australia.

PRACTICAL CONSERVATION

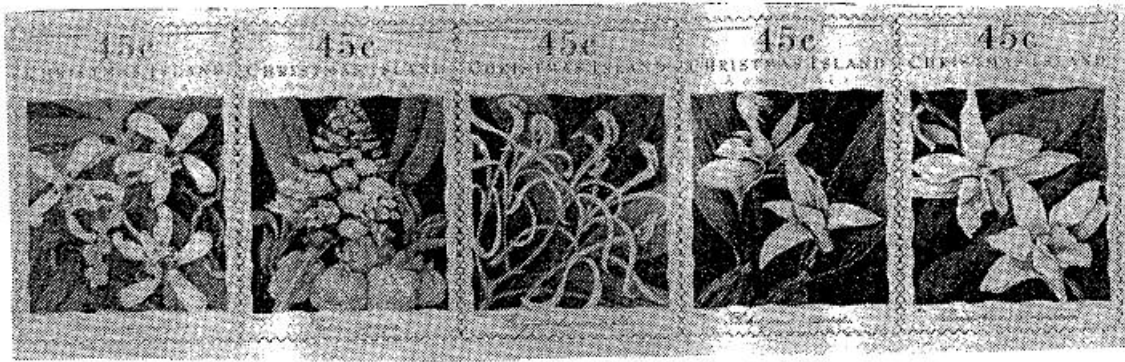
AN URGENT APPEAL TO ALL GROWERS OF ORCHID SPECIES PLANTS

AOF ORCHID SPECIES SEED B. PROTOCORM BANK

The foundation seeks your HELP to this important service by selfing or sibling crossing your orchid species, particularly beautiful or rare species, the demand is continual. Dry seed, green pods or even 'mother flasks' that are no longer required by you....BE A REGULAR DONOR....to this voluntary and NO PROFIT service. Please send your seed direct to the:-

A.O.F. ORCHID SEED & PROTOCORM BANK
C/- 6 Carlyle Court , T00WOOMBA, QUEENSLAND 4350

AUSTRALIAN POST ISSUES ORCHID STAMPS



The watercolour paintings which make up the designs were painted by Celia Rosser, Monash University's official Botanical Artist since 1974. These stamps, which were issued on the 16th of August, are available at your Post Office or Australian Post Shop. Christmas Island is an isolated tropical island in the Indian Ocean. It lies about 360 kilometres south of Jakarta and 1400 kms from north-west Australia. Over half the island is national park. The highest point is Murray Hill, 361 metres above sea level, and it drops to sea level in a series of terraces and inland cliffs. Primary vegetation is mainly evergreen forest - home to several species of tiny, but quite beautiful orchids. Five of these orchids appear on a new set of Christmas Island stamps.

Most Christmas Island orchids are quite small. The largest flower is that of *Dendrobium crumenatum*, which is 4 cm across; the flower of *Thelasis capitata* is only a few millimetres long.

From left to right, the stamps feature:

Brachypeza archytas is endemic to Christmas Island and is relatively common, especially in forest on the lower terraces where it often occurs on the boles of large trees.

Thelasis capitata grows on the plateau and on Murray Hill, usually in trees with a dense, high canopy. It is also found in Java, Sumatra and Sabah.

Corymborkis veratrifolia, a ground or terrestrial orchid, is fairly common on the central plateau and higher terrace and is found in shaded forest undergrowth. It is widespread in South East Asia.

Flickingeria nativitatis is commonly found on tall trees on the plateau and high terraces.
Dendrobium crumenatum commonly grows on trees throughout the island, often in exposed positions.
 This orchid is also widespread throughout South East Asia.

TUBERBANK -1995 HELP ENSURE A SUCCESSFUL 1995 TUBERBANK

A list of details of tubers available this year will be printed in the December Journal. To enable this listing to be complete and accurate, all members who are prepared to donate tubers are asked to provide accurate information concerning the names of native species and/or hybrid terrestrial orchid tubers by November 30.

All species and hybrid tubers are needed. No quantity is too small. Only information is required at present, collection can be arranged in December.

Empty slide boxes or similar are required for packing and distribution of tubers. If you can help please contact either Roy Hargreaves or the Tuberbank Co-ordinator, Philip Matthews.

EUROPEAN WASPS

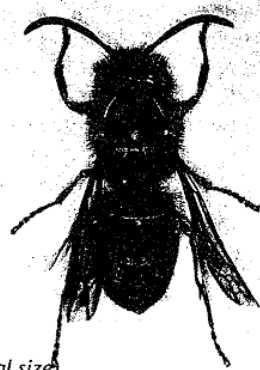
by Roy Hargreaves

Can we control the European Wasp (*Vespula germanica*). Michael Keelan on his 5AA Sunday morning gardening segment has suggested this idea.

Take coffee or Milo tin, punch a hole the size of a 5 cent coin just off centre in the bottom (this provides a larger area to hold a piece of meat). Near the hole secure a piece of timber with thin wire, a 12 mm hole punched in the lid and covered with clear sticky tape will act as a window. Fix a thin wire handle as shown, dust the inside liberally with carbaryl and hang in a convenient place - a tree. The carbaryl will be carried back to the nest with successful results.

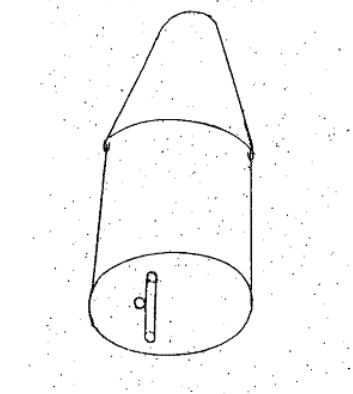


Honeybee



Worker of the
European wasp

(4X actual size)



Schematic Diagram of
European Wasp Nest Destroyer

**Third
Australasian
Native
Orchid
Conference**



*To be held at
The Flinders University
Adelaide, South Australia
26 - 30 September, 1996.*

Address correspondence to:
Hon. Secretary, NOSSA, P.O. Box 565
Unley SA 5061

The Native Orchid Society of South Australia (NOSSA) is proud to have been chosen to host the Third Australasian Native Orchid Conference and Show. The twenty-five Australian and New Zealand groups that constitute the Australasian Native Orchid Society will together stage what is expected to be the largest and most spectacular display of Australasian native terrestrial and epiphyte orchids and their hybrids ever assembled with all areas of the Australasian region represented. Field trips will allow Conference delegates to see a large variety of South Australia's terrestrial orchids in their natural settings. Australian and international speakers of the highest calibre will deliver up-to-date papers on an exciting range of topics, over a full two day period. NOSSA promises an exciting, rewarding and fun agenda. The Australasian Native Orchid Conference and Show is offered only every third year and should not be missed. We look forward to welcoming delegates from all over the world.

NOSSA has chosen the very beautiful Flinders University as the venue for the Conference. Elevated on 160 hectares, just 11 km south of the downtown centre of Adelaide, Flinders offers excellent conference and exhibition facilities while affording splendid views over land and sea. Although the campus is large, the buildings in which the conference events will be held are essentially adjacent to each other. The campus will not be heavily populated with students as the Conference and Show will coincide with an end of term two week break. The Flinders campus is well served with a public bus system that links the conference facilities with Adelaide's city centre and distant suburbs and there is more than adequate on-campus car parking. Invitations have been sent out to potential speakers in Australia, New Zealand, Papua New Guinea, Singapore and England. Speakers have been selected on the basis of specific expertise and public speaking ability. The Matthew Flinders Theatre, in which lectures will be held on the Friday and Saturday of the Conference is extremely comfortable and acoustically superb.

September is the best month to see native orchids in the bush near Adelaide. Some 100 species of terrestrial orchids occur in the Adelaide Hills area, making it one of the richest orchid areas in Australia. Belair National Park for example, is only a ten minute drive from Flinders University and more than 50 different orchid species have been recorded there. Many local experts on native orchids have offered their services as field excursion guides. At this point in time, two full day excursions and one half day field trip are planned.

A Photographic Competition will be held in conjunction with the Conference and Show. The Competition will be open to all, but submissions must be of orchid species or hybrids that are native to the ANOS defined Australasian region. There will be only two categories: - Terrestrials and Epiphytes. Judging will be by a panel and will include certified Judges. All entries will be displayed at the Conference. Cash and other prizes will be awarded for the best photos. Interested photographers should write to NOSSA for further details. Paintings, ceramics, woodcarvings and other crafts depicting native orchids will be placed on display along with the photographs, in a special exhibition room adjacent to the area in which the orchid show will be staged. Your submissions are sought.

The Conservation of our native orchids will be a much promoted theme of the 1996 Conference. It is hoped that Conservation Officers from all ANOS associated/affiliated Societies will meet in Adelaide to maintain a conservation purpose and solidarity at national and international levels. A conservation forum is planned for the Saturday morning of the Conference and a board-room has been booked in which Conservation issues may be discussed throughout the Conference period. Industry and government sponsorship and support are being sought. The cost of registration will be only \$100.00 (Australian) to ensure as many people as possible can attend, and this will include a copy of the Proceedings Volume, a Conference Badge, admittance to the Native Orchid Show, admittance to the Cocktail Evening on the Thursday night and of course, admittance to all talks and paper presentations. Participation on Field Trips and the Presentations Dinner will not be included in the Registration Fee, but costs of these events will be minimal.

Sponsored by: The Council of the Australasian Native Orchid Society Inc.

Hosted by: The Native Orchid Society of South Australia Incorporated.