



THE AUSTRALASIAN CARNIVOROUS PLANTS SOCIETY INC.

CARNIFLORA NEWS

March 2018

Welcome to *Carniflora News*, a newsletter produced by the Australasian Carnivorous Plants Society Inc. that documents the meetings, news and events of the Society.

The current Executive of the Australasian Carnivorous Plant Society Inc. comprises:

President - Wesley Fairhall

Vice President – David Colbourn

Treasurer – Kirk 'Füzzzy' Hirsch

Secretary - Kirk 'Füzzzy' Hirsch

Journal Editor - Dr. Robert Gibson

Public Officer - Wesley Fairhall

Publicity Officer – Kirk 'Füzzzy' Hirsch

Website Manager – Marina Chong

Newsletter Editor - David Colbourn

Merchandise Manager – David Colbourn

Social Media Coordinator – Glen Moss

Brisbane Coordinator – Alan Haase

Brisbane Coordinator - Brent Jones

Canberra Coordinator - Barry Bradshaw

Canberra Coordinator - Christian Fricker

Events Coordinator - Jeremy Aitken

Seed Bank Manager - Ian Woolf

CALENDAR

MARCH

2nd March 2018 - AUSCPS meeting - Canberra; featuring *Darlingtonia*
7th March 2018 - AUSCPS meeting - Brisbane
9th March 2018 - AUSCPS meeting - Sydney; featuring *Utricularia*, *Aldrovanda* and *Genlisea*. Guest speaker - Laurie Dorfer
23rd March - 3rd April 2018 - Sydney Royal Easter Show

APRIL

2nd April 2018 - Carnivorous Plant Judging, Royal Easter Show
4th April 2018 - AUSCPS meeting - Brisbane
6th April 2018 - AUSCPS meeting - Canberra
7-8th April 2018 - Collectors' Plant Fair, Clarendon, N.S.W.
13th April 2018 - AUSCPS meeting - Sydney; featuring *Nepenthes*

MAY

2nd May 2018 - AUSCPS meeting - Brisbane
4th May 2018 - AUSCPS meeting - Canberra
11th May 2018 - AUSCPS meeting - Sydney; featuring *Cephalotus* and *Heliophora*

JUNE

6th June 2018 - AUSCPS meeting - Brisbane
8th June 2018 - AUSCPS meeting - Sydney; featuring Carnivorous Bromeliads

JULY

4th July 2018 - AUSCPS meeting - Brisbane
13th July 2018 - AUSCPS meeting - Sydney; AGM featuring Winter growing *Drosera*

AUGUST

1st August 2018 - AUSCPS meeting - Brisbane
3-5th August 2018 - 12th International Carnivorous Plant Society Conference - California
10th August 2018 - AUSCPS meeting - Sydney; featuring *Pinguicula*

SEPTEMBER

5th September 2018 - AUSCPS meeting - Brisbane
14th September 2018 - AUSCPS meeting Sydney; featuring *Nepenthes*
22-23rd September 2018 - Kariang Plant Lovers' Fair

OCTOBER

3rd October 2018 - AUSCPS meeting - Brisbane
12th October 2018 - AUSCPS meeting - Sydney; featuring Summer growing *Drosera*

NOVEMBER

7th November 2018 - AUSCPS meeting - Brisbane
9th November 2018 - AUSCPS meeting - Sydney, featuring *Sarracenia* and *Darlingtonia*
Triffid Park open day (TBA)

DECEMBER

5th December 2018 - AUSCPS meeting - Brisbane
TBA - VCPS annual show, Collector's Corner, Melbourne
TBA - Plants with Bite - The Blue Mountains Botanic Gardens - Mt Tomah

JANUARY

2nd January 2019 - AUSCPS meeting - Brisbane
4th January 2019 - AUSCPS meeting - Canberra
11th January 2019 - AUSCPS meeting - Sydney; featuring *Dionaea* (VFT) - Raffle Draw

FEBRUARY

1st February 2019 - AUSCPS meeting - Canberra
6th February 2019 - AUSCPS meeting - Brisbane
8th February 2019 - AUSCPS meeting - Sydney; featuring *Byblis*, *Drosophyllum* and *Roridula*.

NEWS

BRISBANE MEETINGS

The Brisbane chapter of the AUSCPS is now meeting on the first Wednesday of each month to accommodate the needs and wishes of our members. The meetings are still held at 7pm in the Library of the Kenmore Village Shopping Centre, 8 Brookfield Road in Kenmore.

CANBERRA MEETINGS

The AUSCPS is now holding trial meetings in Canberra to meet the needs of members in Canberra and surrounding districts. Meetings will be held at 7:30pm on the first Friday of each month at the Belconnen Community Theatre on Swanson Street in Belconnen. Call Barry on 0417219477 for access to the building after 7:30pm.

JOURNAL UPDATE

The March 2018 edition of *Carniflora Australis* is near completion. This edition has articles on stamps featuring carnivorous plants, *Drosera spatulata* var. *gympiensis*, extracting DNA, *Pinguicula* in the Jura mountains and *Nepenthes clipeata* x *ventricosa*.

YOUTUBE CHANNEL

The Australasian Carnivorous Plants Society Inc. now has a Youtube channel. Dr. Robert Gibson and Kirk Hirsch presented a talk at our Sydney November meeting on their trip to the Western Cape of South Africa. This presentation is now available to view at:

<https://www.youtube.com/watch?v=Nm5Mtz8IVg&t=261s>



ROYAL EASTER SHOW CARNIVOROUS PLANT COMPETITION

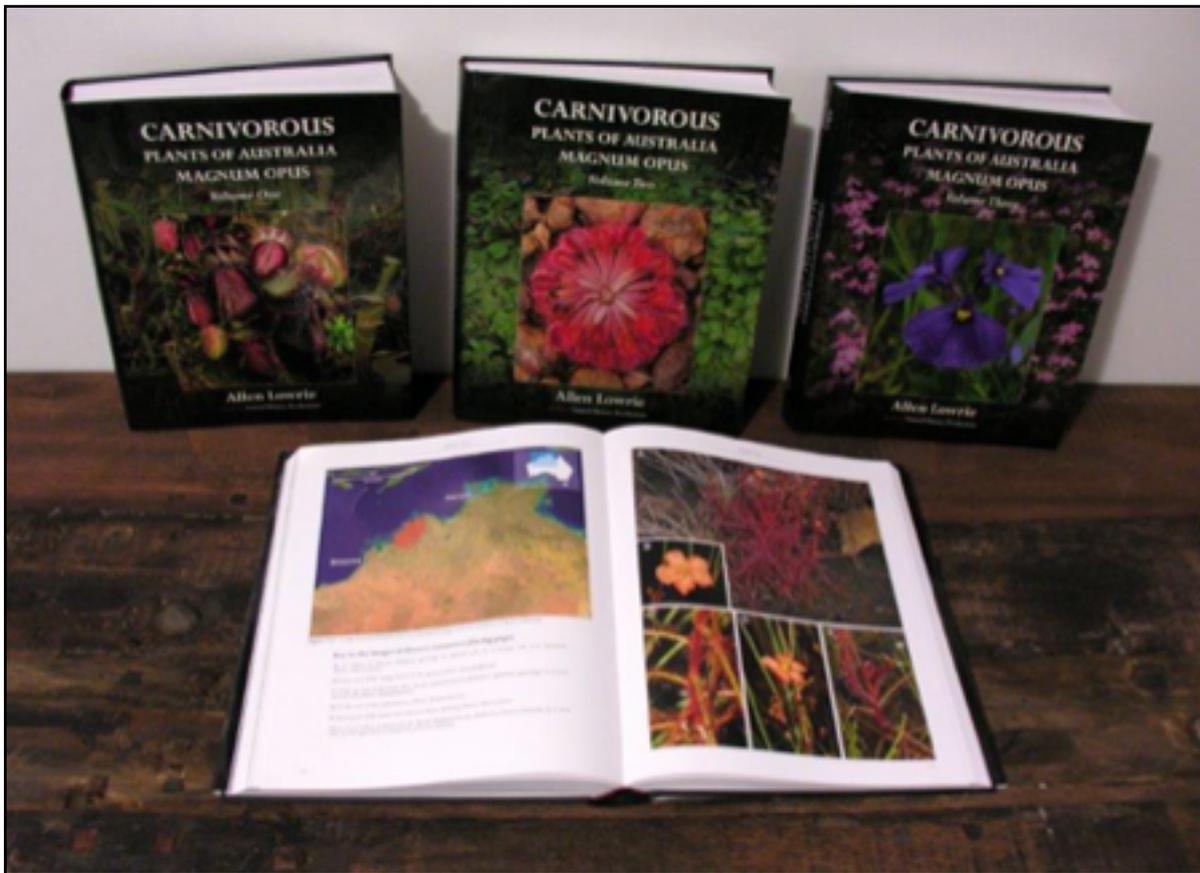
The Australasian Carnivorous Plant Society Inc. is sponsoring the Carnivorous Plant competition again in 2018 at the Royal Easter Show in Sydney. The Royal Easter Show will run from the 23rd March to the 3rd April 2018 and the Carnivorous Plant competition will be held on Monday the 2nd April. Entry to the competition is now closed however you can inspect the plants on Monday the 2nd to Tuesday the 3rd. The AUSCPS has been invited to man an information table next to the carnivorous plants. We are seeking volunteers to man the stall for 3-4 hours and assist with any enquiries and engage with people who show interest in the plants on the day. Volunteers will receive free entry into the show.

COLLECTORS' PLANT FAIR

The Collectors' Plant Fair will be held on the weekend of the 7-8th April 2018 at the Hawkesbury Race Club, Clarendon NSW. The Society will again hold a stall at this fair and members are invited to attend and sell their Carnivorous Plants and assist with the many enquiries we receive at the stall. Please contact Jeremy at auscps@gmail.com with which day(s) you are able to attend.

FUND RAISING RAFFLE

Allen Lowrie has kindly donated to the Society his Magnum Opus, a three volume set of books about the Carnivorous Plants of Australia. The raffle will run throughout the year and be drawn at the Sydney meeting in January 2019. The books will be posted direct to the winner, worldwide. Tickets are \$2 each or 3 for \$5. Tickets may be purchased at the Brisbane, Canberra or Sydney meetings, at various fairs and events attended by the Society, or via Paypal on Facebook. The funds raised will help the Society promote Carnivorous Plants in Australia via our Field Guide and other initiatives we have planned in the future.



PENRITH REPTILE SHOW

The AUSCPS will be manning a stall at the Penrith Reptile Show on the 4th of March 2018 at the Panthers Pavilion in Penrith. The show is hosted by the Hawkesbury Herpetological Society and will run from 9am to 4pm. Entry is \$12.50 for adults, \$5 for children and \$30 for a family of 4. The AUSCPS will have a variety of plants on display and for sale with the aim of the stall to increase the awareness and availability of Carnivorous Plants to like minded people. This is the first time our Society has participated in this event and it is expected there will be a crowd of up to 5000 people attending.

12th INTERNATIONAL CARNIVOROUS PLANT SOCIETY CONFERENCE

The 12th ICPS conference will be held over the 3-5th August 2018 in Santa Rosa, California. More information may be found at <https://www.icpscon2018.com/>

SEED BANK NEWS

Some generous members have donated new varieties of seed: *C. berteroniana*, *D. rotundifolia*, *D. californica* and *B. liniflora*. Packets of seed are \$1 for members. Contact Ian Woolf on iwoolf@gmail.com to purchase your seed.

BOG GARDEN UPDATE

During term 4 of 2017, the AUSCPS donated plants and soil to the students of the Penrith Christian School for a project proposed by the Design and Technology class to create a bog garden.

As part of the project, the students were required to design and implement an irrigation and maintenance schedule to ensure the long term survival of the garden over the school holidays.

January saw an extreme heat event where temperatures in Penrith reached 47.3°C. Despite a few losses, most of the plants survived this event and the lack of attention during the holiday period. It is hoped the garden will become an educational resource for the school for years to come.



SYDNEY MEETING MINUTES

MINUTES OF THE AUSTRALASIAN CARNIVOROUS PLANT SOCIETY INC. HELD ON FRIDAY, 9TH FEBRUARY 2018, WOODSTOCK COMMUNITY CENTRE, CHURCH STREET, BURWOOD

The meeting opened at 7:53 p.m.

PRESENT

There were 25 human & one canine members in attendance.

APOLOGIES

Apologies were received from Joan Fairhall.

MINUTES OF PREVIOUS MEETING

The minutes of the January 2018 meeting were tabled. Those present were asked to confirm the accuracy of the minutes and to suggest changes, omissions or corrections. In the absence of any corrections, omissions or corrections, a motion was raised that the minutes as tabled be accepted by those present.

Moved by: Jeremy

Seconded by: Fuzzy

Motion: Carried that the minutes as tabled were accepted.

BUSINESS ARISING

1. On Friday 2nd February the AUSPCS hosted the first ever meeting in Canberra. The meeting was managed by Barry Bradshaw and Christian Fricker. David Colbourn attended and was encouraged by the attendance and support demonstrated at the first meeting with 13 members and visitors in attendance. There was a good variety of plants available for display and sale. A discussion was had on meeting themes and possible alternate (cheaper) venues to meet. There was a general enthusiasm toward attending and participating in the meetings with Robert Little volunteering a talk on *Darlingtonia* at the next meeting. David was also impressed with the level of expertise at the meeting with many in attendance with decades of experience with carnivorous plants.
 - 1) *Carniflora Australis*, the March issue of 2018 is being reviewed by the committee members. It is anticipated that it will be printed by the end of February and sent out in early March.
 - 2) The Field Guide to Carnivorous Plants in the Sydney Region remains on-hold. Hopefully this will change soon.

CORRESPONDENCE

In-coming (to Kingsway West PO Box)	Out-going
Two issues of the <i>Journal of Japanese CP Society</i> : 68(4) (October 2017) and 69(1) (January 2018)	Printed copies of the February 2018 <i>Carniflora News</i> were posted to Richard Sullivan and Steve Clemesha.
Czech CP Society journal, <i>Trifid</i> (31 Aug 2017),	
<i>Carnivora</i> (December 2017) – Journal of the Dutch Carnivorous Plant Society	
Link Market Services – for previous renter of that post office box (to be returned to sender)	
(to Burwood PO Box)	
New membership	

TREASURER'S REPORT

Paid members = 44

Current account balance: \$2,027.36

A motion was raised that the Treasurer's Report be accepted by those present.

Moved by: Ron Gauci

Seconded by: David Colbourn

Motion: Carried, that the Treasurer's Report be accepted.

GENERAL BUSINESS

1. Correspondence is still going to the Kingsway West PO Box. The lease of this PO Box runs out in April. Therefore notifications will need to be sent out to advise those societies of the new AusCPS address.
2. We have completed the paperwork for an information table at the **Royal Easter Show**. We have been invited to have a display plant or two on the table along with information about the Society.
The Royal Agricultural Society have asked that volunteers at the stand wear "less" casual clothing i.e.: no shorts / T-shirts. Perhaps we could make up some name tags to help identify us?
David will take care of the display plants. However, we need volunteers to by the display tables to answer questions by the general public. Volunteers are also required to give talks during the two days that the plants will be on display. Volunteers will get free entry into the show.
In regard to the talks, Fuzzy has volunteered to put in a few hours before his talk at the 4:00 pm time slot.

Proposed roster for volunteers for the Royal Easter Show CP display, 2nd & 3rd April 2018.

Time slot	Easter Monday, 2 nd April 2018		Tuesday, 3 rd April 2018	
9.00 – 13.00				
13.00-17.00	Fuzzy	Robert	David C	
Speaker Slot 16.00-16.30	Fuzzy			

3. The AusCPS has been asked to attend the show put on by the **Hawkesbury Herpetological Society** that will be held on **Sunday 4th March** at the Panthers Pavilion in Penrith. The normal cost to having a stall at their show is around \$400, but they have offered to subsidise this cost to encourage our attendance. Stalls are 3 m x 3 m, indoors, air-conditioned and with electricity available. David Colbourn, Ron and Marie Gauci and Jeremy, have volunteered to run the AusCPS stall at this event.
4. **Gordon Cheers** has asked whether the AusCPS can provided speakers for the Tropical Garden Society, Sydney. The society meets on the 4th Tuesday of the month at 7.30 p.m. in Concord. Meetings normally have 50-75 people in attendance. Many members grow carnivorous plants and there is a general interest in them. It is possible to discuss the AusCPS at the venue and to sell plants after the presentation.
5. **Raffle tickets** for copy of Allen Lowrie's Magnum Opus are now available. The raffle will be drawn at the end of the year (in January 2019). See David Colbourn to buy tickets, at \$2.00/ticket. Tickets will be available for purchase at the Brisbane and Canberra meetings.

PLANT OF THE MONTH (*Byblis*, *Drosophyllum* & *Roridula*)

The following plants were brought in for the 'Plant of the Month Competition';

1. *Byblis gigantea* – in flower, bud & fruit (10 months old) (Glen Moss) [3 votes]
2. *Byblis filifolia* 'Honeymoon Beach' (David Colbourn) [8]
3. *Byblis pilbarana* (David Colbourn) [5]
4. *Byblis liniflora* (David Colbourn) [10]

The winner was: *Byblis liniflora*, grown by David Colbourn.

David provided some tips on growing this species:

It is easy to grow in a mix of peat and sand that is kept moist, in full sun, and exposed to heat. Temperatures above 30°C trigger germination. Plants grow quickly. They have a small root system and so are happy in a small pot.

It is an annual species that sets seed readily in cultivation. David has found that seed ripens within 28 days of flowering. It is possible to grow two generations of plants in a summer. Propagate by seed. Stem tip cuttings are also said to work.

Glen provided some information on his *Byblis gigantea* plant which is flowering well this summer. The plant is ten month's old and came up from a batch of seeds that germinated after exposure to gibberellic acid. Note that seedlings retain their seed coats, even when 1 cm high – so do not be tempted to physically remove them from the seedling or you may damage the plant. Seedlings are slow-growing unless fed by a spray of dilute fish emulsion.

The plant is grown in a mix of peat and coarse sand. They do well in a 20 cm diameter pot. Flowers are self-compatible, but are unable to self-pollinate. Pollen is released on vibration; such as exposure to a tuning fork, or an electric toothbrush.

OTHER PLANTS

1. *Brocchinia reducta* (Fuzzy)
2. *Nepenthes lowii* x *truncata* 'wide peristome' – grown outside under shadecloth. This cross was developed by Exotica Plants (Brett Daly).

The meeting closed at 8.30 p.m. and members adjourned for supper provided by Marina Chong.

PRESENTATION/ EVENT

The remainder of the meeting was a presentation by Greg Bourke on carnivorous plants in Western Australia.

Notes taken during the presentation are provided below:

Greg presented a summary of carnivorous plants in the Kimberley Region and South West Western Australia.

He started with the Kimberley Region where he pointed out the strong effects of the monsoonal climate and the different types of landscape and substrates on the distribution of carnivorous plants and the different assemblages of taxa. There are also serious logistical challenges of getting around the Kimberley during the wet season when roads become impassable.

During fieldwork you quickly get your eye in for where to find plants to recognise indicators. These include termite mounds, of which there are several different types. Both the black to dark grey termite mounds and small white termite mounds occur in soils where carnivorous plants are likely to be found, but where you see the very large orange mounds, then you are unlikely to see carnivorous plants.

Many plants grow in and around streams and waterfalls. The quiet backwaters of pools provide great habitat for free-floating *Utricularia* and *Aldrovanda* – but be mindful of crocodiles. The extensive sandstone plateaux of the Kimberley have rock pavement areas that include areas with shallow small streams, seepage zones and small ephemeral rock pools that are great areas to see carnivorous plants. Pandanus is often a good indicator plant of carnivorous plant habitat. Due to its latitude the area receives intensive sunlight during the year and exposed rock surfaces can reach 70°C.

Many members of the *Drosera petiolaris* complex occur in the Kimberley. This includes hairy-leaved species such as *D. ordensis*, *D. broomensis*, and *D. derbyensis*. On seeps on wet rock pavements you can find *D. paradoxa*, the diminutive *D. subtilis*, and a beautiful orange-flowered taxon that is currently undescribed.

Drosera burmannii is common and widespread beside streams.

There is an abundance of *Utricularia* in this region. Some, like *U. kimberleyensis* are widespread and common. Others are of more restricted range.

Several annual species of *Byblis* grow here. *Byblis filifolia* grows on rock platforms, and some plants grow effectively hydroponically in the temporary rock pools where their seed survives baking temperatures in the Dry Season.

Many members of the *Drosera indica* complex are found here. Different members of this complex are told apart by the shape of glands on their stem and leaf bases; whether the leaves are sessile or petiolate; and their flower structure. *Drosera cucullata* has hooded red stamens in its flowers and has big red glandular hairs on the stem and back of the leaves. *Drosera barrettorum* has odd glands at the base of the leaves that look like a potato chip. *Drosera hartmeyerorum* has strange mulberry-shaped glands at the base of their leaves that glow in the sunlight.

The South West of Western Australia is a well-known hot-spot for carnivorous plant diversity. Plants are found in a number of different habitats.

Starting in the Stirling Range to the north of Albany, two novel sundews occur in shallow soils in seepages near the summit of the highest peaks of this range. These are *D. monticola* and *D. huegelii* var. *phillmanniana*.

Many species grow on granite outcrops and the shallow soils on their flanks. Soil depth is important – it needs to be deep enough to retain water and provide support for a sundew or bladderwort, but not too deep to support shrubs that would out-complete these carnivorous herbs. Many different carnivorous plants occur in this habitat, including: *Drosera stricticalis*, *D. gigantea* (which are often only just starting to form leafy stems in August), *Utricularia multifida*, *D. stolonifera*, and *D. purpurascens*.

On the arid edge of the Wheat Belt such outcrops may support large numbers of tuberous sundews like *D. rupicola*, *D. lowriei* and *D. andersoniana*. Greg has seen outcrops with hundreds of the plants of *D. rupicola* and *D. lowriei* emerging from dry, baked soil one April. The plants used reserves from their tubers for this growth but required rain in the next week or so to support ongoing growth. In the absence of rain the plants would likely go dormant and miss that growing season. Thankfully for the plants rain fell shortly after that visit, and on Greg's return to the site about two weeks later, the soil at the site was now saturated, and the plants were still in active growth.

Drosera collina may be found in gravelly soils on rolling hills, and forms impressive rosettes to 20 cm across.

Drosera glanduligera is common and widespread. It has recently been found that the glandular hairs of the leaf apex move very quickly. The gland of those hairs does not produce mucin. Instead it seems that the role of those hairs is to curve quickly into the leaf centre, transporting whatever triggered them into the leaf for digestion.

Drosera porrecta is tall tuberous sundew from woodlands in and around Perth. Plants may be seen, for example, in woodland at Kings Park. This sundew, like most others in the region, requires periodic fire to reduce competition from woody plants and open up the amount of sunlight reaching the soil surface.

Open heathlands are another habitat for carnivorous plants. They often have a substrate of fine silty grey sand that is often saturated in the winter. This habitat supports plants like *D. intricata*. This tuberous sundew produces stolons from leaf axils. If exposed to frequent rain or drizzle these stolons grow to the ground surface where they readily form daughter tubers. Plants in cultivation do the same thing if given frequent misting in the growing season.

Utricularia menziesii is a widespread and distinctive species. Its large red flowers are instantly recognisable. This bladderwort is unique in Australia for being bird-pollinated. Plants grow in many

different habitats but are always highly localised. Flower size, shape and colour patterning varies across its range.

Drosera ramellosa is a distinctive tuberous sundew that has an unusual range: it is locally common to small areas but absent from large areas in between. This sundew often grows in habitats frequented by aggressive mosquitoes.

The south coast of the south west has many great places to see carnivorous plants. One notable place is the Esperance region with its abundant wetlands. They include many lakes; at least one of which supports *Aldrovanda*. A road was put through their main lake, and it was feared that the changed hydrology would adversely affect them. Thankfully after many years of seeing no plants, about 30 plants were found in this lake in summer 2013. These wetlands are a haven for *Utricularia*, including some local endemics. *Utricularia helix* is one such endemic, and has a climbing scape that produces tiny purple flowers. It is known from a small number of sites where only a few plants grow. In contrast, species like *U. benthamii* with large yellow and purple flowers are common and widespread.

Drosera fimbriata occurs in several sites on the south coast. This erect sundew has a unique arrangement of whorls of fimbriate bracts at the base of its stems. Like many Western Australian sundews, it has sweetly scented flowers.

Drosera erythrogyne is a robust climbing tuberous sundew that grows to 3 metres tall. It is easy to grow in cultivation.

Drosera lasiantha is a pygmy sundew from gravelly soils around granite outcrops in the Porongorup Range. This sundew forms erect stems from which prop roots emerge. Greg has observed that new prop roots are produced each season. If those prop roots do not fully form, or if they are unable to penetrate the soil then the plant will likely die.

Cephalotus follicularis grows in a number of locations along the south coast. The best known site is Coal Mine Beach where plants grow on a seeping cliff that is subject to frequent landslides. These landslides remove plants, but expose fresh habitat for new *Cephalotus* seeds to germinate and become established. Loss of habitat to landslides and, sadly, poaching of plants has led to a great reduction in the number of plants at this site.

Cephalotus typically grows in moist soil above creeks or seepage zones. These habitats are often shrubby. Over time these shrubs shade the *Cephalotus* plants that respond by producing very few pitchers. However, after fire *Cephalotus* respond quickly and grow an abundance of new leaves and pitchers and often flower in that first season. It seems a fire every 5 to 15 years in such habitat is needed to maintain a healthy *Cephalotus* population.

This presentation provided a summary of some of the hundreds of carnivorous plant taxa that grow in these areas. Thank you, Greg, for this talk and showing some of your wonderful photos.

This presentation was filmed. A copy of the talk will be available on the Society's YouTube page soon.



The next meeting to be held at Burwood Community Centre on Friday 9th March, 2018 starting at 7.30 p.m.

BRISBANE MEETING MINUTES

**MINUTES OF THE AUSTRALASIAN CARNIVOROUS PLANT SOCIETY INC.
HELD ON WEDNESDAY, 7TH FEBRUARY 2018,
KENMORE LIBRARY, KENMORE, QUEENSLAND**

Minutes not submitted.

CANBERRA MEETING MINUTES

MINUTES OF THE AUSTRALASIAN CARNIVOROUS PLANT SOCIETY INC. HELD ON FRIDAY, 2ND FEBRUARY 2018, BELCONNEN COMMUNITY THEATRE, BELCONNEN, ACT

The meeting opened at 7.30 pm

PRESENT

There were 13 members and visitors in attendance.

APOLOGIES

Anthony Field, Denise Palmer, Scott Larcombe, and Gareth Williams

GENERAL BUSINESS

- The inaugural meeting of the Canberra and Goulburn members of AUSCPS began with a thank you to Ross Rowe and his wife Cayt for hosting the start-up BBQ on January 12th.
- David Colbourn provided an overview of the AUSCPS and the Society's goals in supporting the Canberra-based meetings.
- There was some discussion regarding use of the BCC beyond May 2018. Three main issues with the BCC are that: access to the facilities requires a single swipe card provided to Barry Bradshaw (BB); it is preferable to reduce the venue hire cost (currently \$53) – all members are encouraged to see if cheaper (or free) suitable facilities may be available elsewhere; there is no projector in the meeting room.
- Canberra and Goulburn members would like to explore continuing meetings during winter (currently there is a planned break in June & July 2018), particularly if a cheaper venue can be found.
- Christian Fricker has spoken to several local societies about the AUSCPS and the Canberra meetings, and found that some (particularly Gold Creek Nursery) would like to attend the meetings to purchase plants from members and obtain advice on plant cultivation for buyers. David Colbourn noted that AUSCPS doesn't have any commercial arrangements with nurseries, but that individual members could sell their plants to any buyers attending meetings (provided the seller is a current AUSCPS member).
- Paul Tyerman suggested contacting either the Horticultural Society and/or the Orchid Society to see if there is interest in adding the AUSCPS to their shows – the Orchid Society runs four shows a year and has previously included a Carnivorous Plant Class.
- A request was made for Canberra and Goulburn members' contact details (phone number and email addresses) to be shared with each other. All members in attendance agreed for their contact details to be shared – BB to distribute for members at the meeting (and follow up with members unable to attend before their details are shared).
- Robert Little has volunteered to take on a Treasurer role to manage funds from gold coin donations to run meetings, any membership renewals paid at meetings, potting mix sales and raffle ticket sales. A total of \$22 in gold coin donations was collected at the meeting.
- Christian Fricker and Barry Bradshaw expressed interest in organising local field trips to observe native carnivorous plants. David Colbourn advised that the

Society's indemnity insurance doesn't cover field trips, and that these would need to be organised and run outside of the AUSCPS.

- Members agreed that the Canberra meetings should include a plant theme each month. It was decided that the plant theme for the March meeting will be *Darlingtonia californica* – Robert Little has volunteered to lead a discussion on cultivation and propagation of *Darlingtonia californica*, and (if time allows) to show photos from his recent trip to the Kew Gardens (UK).
- John Nielsen has also offered to provide a discussion on mosquito control in water trays.

PLANT OF THE MONTH

Members bought in a wide range of plants for sale and for display (no theme). The following plants were bought in for the 'Plant of the Month' Competition:

1. *Dionaea muscipula* 'Big Mouth' – grown by Chris Duffy
2. *Sarracenia flava* var. *atropurpurea* 'FRT 1-1' (*leucophylla* introgressed) – grown by John Nielsen
3. *Sarracenia leucophylla* cv. "Tarnok" – grown by John Nielsen
4. *Drosera paradoxa* – grown by Christian Fricker
5. *Drosera lasiantha* – grown by Christian Fricker
6. *Drosophyllum lusitanicum* – grown by Barry Bradshaw
7. *Byblis gigantea* – grown by Barry Bradshaw
8. *Pinguicula x sethos* – grown by Bastien Small
9. *Pinguicula moctezumae x gigantea* – grown by Bastien Small
10. *Cephalotus follicularis* Edwards Giant - grown by Bastien Small

The winner was *Pinguicula moctezumae x gigantea* – grown by Bastien Small, pictured below left.

The meeting closed at 9.45 pm. The next meeting will be held at the Belconnen Community Centre on Friday March 2nd at 7.30pm.



IN THE GREENHOUSE

ALDROVANDA

Plants remain in active growth and divide rapidly. Keep algae under control.

BROCCHINIA / CATOPSIS

Maintain high light levels and humidity. Fertilise with a diluted foliar application of urea free fertiliser.

BYBLIS

Byblis gigantea and *lamellata* are naturally dormant over summer but may be kept in growth with constant soil moisture. Keep the soil moist to wet. Flowering ends. Harvest seed. Treat seed with Ga3 or smoke water and sow in early autumn.

The northern annual species of *Byblis* are in active growth. Growth rates will be higher in hot and humid conditions. Cross pollinate the flowers to ensure seed set.

Growth rates for all species of *Byblis* may be accelerated with increased prey capture or fertilisation. Place some rotting fruit around the plants or sprinkle granulated fish food onto the leaves. Pollinate the flowers using the “buzz” technique.

CEPHALOTUS

Keep the soil moist but well drained. Avoid fungal problems by keeping good air movement around the plants.

DARLINGTONIA

Darlingtonia will be in active growth. Stolons will begin growing under the substrate. Watch out for hot days. Place your plants in more shade or consider bringing them indoors during hot weather. Night temperatures are high so it is imperative that the roots are kept cool.

DIONAEA

All VFTs should be in active growth. Keep well watered. Plants may be divided and repotted.

DROSERA

Tuberous *Drosera* begin to break dormancy. Keep the pots barely moist until the stolon emerges above the surface of the soil. Treat seed with Ga3 or smoke water and sow in early autumn.

Pygmy *Drosera* break their dormancy in autumn. Increase watering.

Other Winter growing species such as *D. cistiflora* and *pauciflora* begin to break dormancy soon. Increase watering when growth begins. Treat seed with Ga3 or smoke water and sow in early autumn.

Tropical and sub-tropical species will be in full growth and flower. Keep the soil very moist. Collect seed and sow onto a peat based media.

Temperate *Drosera* such as *D. filiformis*, *D. intermedia* and *D. rotundifolia* may become dormant and form a winter hibernacula.

DROSOPHYLLUM

Drosophyllum will be in active growth. Growth rates increase with increased prey capture. Seed may be sown now. Scarify the hard seed coat or pour boiling water over the seed for a few seconds and then soak in water for 24 hours before sowing.

GENLISEA

Genlisea should be in flower and active growth. Keep the water levels high with these species.

HELIAMPHORA

Keep plants in a bright and very humid location. Avoid temperatures over 30°C. Fertilise with a diluted foliar application of urea free fertiliser every 2-4 weeks.

NEPENTHES

Some *Nepenthes* struggle over the Australian summer. Aim to keep the lowland plants warm to hot and in high humidity.

Highland species require cooler nights. Mist in the afternoon to reduce air temperatures and increase humidity.

PINGUICULA

Mexican species/hybrids are in active growth. Keep the soil moist and humidity high.

Warm-temperate species such as *P. primuliflora* and *lusitanica* will continue growth. Keep the water up to *P. primuliflora* and take leaf cuttings.

RORIDULA

Roridula is in active growth. Flowering ends. Harvest any seed. Keep the soil moist and place in a very bright and airy situation with low humidity.

SARRACENIA

All *Sarracenia* species/hybrids are in active growth. Keep well watered and in full sun. *S. flava* and *S. oreophila* will produce non-carnivorous phyllodia. *S. leucophylla* and *S. rubra* will produce larger and more upright pitchers. They look their best in autumn.

UTRICULARIA

Most terrestrial *Utricularia* will be in active growth and flower. Keep moist to wet.

Aquatic *Utricularia* are in active growth. Keep algae under control.

Winter growing species, such as *U. multifida* and *U. menziesii* are still dormant. Keep the soil barely moist.

Tropical *Utricularia* - Maintain higher temperatures, humidity and air movement. Keep soils moist.

MERCHANDISE

SEED BANK

There currently is a good range of seed available in the Seed Bank. Seed packets are \$1 each for members. Donations of seed are welcome. Please supply location data if available. Your Seed Bank Officer is Ian Woolf. Email: iwoolf@gmail.com. The seed bank list is contained at the end of this newsletter.

CONTACT CARDS

The Society now produces a business sized card with all of our contact details. The cards are free and available for collection from our meetings. Members and visitors are welcome to take a handful of cards to distribute to other Carnivorous Plant enthusiasts.

T-SHIRTS

T-shirts printed with our logo printed on the front are available for \$35 each. These T-Shirts are a great way to promote and support the Society at functions and shows. To order the T-Shirts, contact David at davecolbourn@gmail.com.



SMOKE DISCS

Smoke discs aid in the germination of difficult species of *Drosera*, *Byblis* etc, that often germinate after a bushfire. The discs are available for \$5.00 each at meetings or contact Ian Woolf on iwoolf@gmail.com



Field Guide to the
Carnivorous Plants
of Sydney and the
Blue Mountains

COMING SOON

AUSTRALASIAN CARNIVOROUS PLANT SOCIETY INC.

Sphagnum peat moss - \$5.
Available at meetings and events.



Mexican *Pinguicula* mix - \$5.
Available at meetings and events.



Nepenthes mix - \$5.
Available at meetings and events.



Sarracenia mix - \$5.
Available at meetings and events.



SPONSORS

Sponsorship of *Carniflora Australis* and *Carniflora News* is welcome. \$40 will get you a business card sized ad included in two *Carniflora Australis* journals; and 12 x *Carniflora News* issues. Contact the Secretary at auscps@gmail.com for further details.

TECH 2U Internet Services

TECH 2U can be contacted via any of the following means:

Address:

Suite 19, 924 Pacific Highway
Gordon NSW 2072

Postal Address:

Suite 19, 924 Pacific Highway
Gordon NSW 2072

Tel: 1300 36 36 41 or 9499 7602

Fax: +61 2 9499 7603

Technical Contact:

support@tech2u.com.au



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Triffid Park is not open for public sales, but we do hold our Annual Open Day at our Carnivorous Plant Nursery once a year. Check our web site for a date, and plan it into your next holiday.

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STRANGE WORLD CARNIVORES



OWEN and KATE O'NEILL

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CONTACT US



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Australasian Carnivorous Plant Society



www.auscps.com/



<http://auscps.wordpress.com/>



auscps@gmail.com



**PO BOX 70,
Burwood,
N.S.W. 1805**

MEMBERSHIP FORM

The society is a non-profit organisation formed in December 2002 to promote the cultivation, conservation and knowledge about carnivorous plants. The Society had been the New South Wales Carnivorous Plant Society Inc. before then, which was established in 1986, ongoing for 30 years.

Yearly membership entitles you to:

- 1) Two editions of ***Carniflora Australis***, our high quality 1/2 yearly journal.
- 2) Ability to sell plants at official plants stalls
- 3) Emailing out our monthly e-newsletters directly to your email address
- 4) Access to our seed bank, to monthly meetings at Burwood, NSW, to specialty plants for sale brought in by members, to a light supper of refreshments after each meeting, and to notices of talks/speakers at the monthly meeting.

MONEY ORDER OR CHEQUE

Please send your money order or cheque, made out to AUSTRALASIAN CARNIVOROUS PLANT SOCIETY INC., along with the completed form below to:

Membership Secretary
Australasian Carnivorous Plant Society Inc.
PO Box 70
Burwood, NSW 1805
AUSTRALIA

DIRECT DEPOSIT

Banking details are below. Please add your email address and name as payment reference. Alternatively, email the Membership Secretary at auscps@gmail.com to advise of your payment and attach a scan or a digitally entered, completed form listed below.

Acc. Name: Australasian Carnivorous Plant Society Inc.

Acc. BSB: 112879

Acc. Number: 195074412

Ref: We must have at least your email address if requesting journal delivery via email, Or your postal address if requesting journal delivery by post. Full details are always appreciated.

PAYPAL

Use the "Send Money" tab to make your payment. Use the current PayPal email address "auscps@gmail.com". Set your fee (depending upon membership options below). You will receive an automatic receipt from PayPal. We must have included with the payment in the notes tab: your name, email address and phone number OR postal address if requesting postal journal delivery. Full details are always appreciated.

Membership (circle/underline):	New	Renewal		
Journal Delivery (circle/underline):	Printed - \$35/yr	Electronic - \$25/yr		
Membership Period (circle/underline):	2018	2018 - 2019	2018 - 2020	2018 - 2021

Total: \$ _____

Name(s):

Postal Address:

City/Suburb: State: Postcode:

Country: Phone:

Email Address:

AUSTRALASIAN CARNIVOROUS PLANT SOCIETY

SEED BANK						
GENUS	SPECIES	Sub-Species	Variety / Form	QUANTITY	LOCATION DATA	Harvest Date
Drosera	auriculata			2	Picnic Point, NSW	September 2012
Drosera	auriculata			1	Kaipara, NZ	
Drosera	auriculata			1	Cameron Park, NSW	September 2010
Drosera	auriculata			1	Nelligi, NSW	
Drosera	auriculata			1	South Australia	October 2014
Drosera	auriculata		pink	1	Freycinet, Tasmania	October 2010
Drosera	auriculata			1	Adamstown, NSW	
Drosera	auriculata			2	Nowra, NSW	2012
Drosera	binata		dichotoma	1		January 2014
Drosera	binata			1	Kai Iwi Lakes New Zealand	January 2014
Drosera	capensis		Broad Leaf	1		December 2017
Drosera	capensis		Red Leaf	2		January 2018
Drosera	capensis		White Leaf	2		January 2018
Drosera	dielsiana			3		
Drosera	filiformis			3		
Drosera	glanduligera			3	Nannup, WA	October 2016
Drosera	hirsuta			1		October 2016
Drosera	hookeri			1	Jamieson, VIC	December 2012
Drosera	hookeri			1	Taree	August 2017
Drosera	indumenta		"swamp Form"	3	previously D. macrantha	October 2014
Drosera	macrantha		Swamp Form	1		
Drosera	macrophylla	macrophylla		1		August 2017
Drosera	natalensis			3	Chimanimani Range, Zimbabwe	
Drosera	nidiformis			1		March 2016
Drosera	nidiformis x venusta			1		October 2017
Drosera	peltata			1	Beechworth, Vic	October 2012
Drosera	rotundifolia			2		
Drosera	spatulata			2		October 2017
Drosera	X Snyderi			22		March 2017
Drosera	tokaiensis			1		March 2016
Darlingtonia	californica			4		
Sarracenia	purpurea	pupurea		3	Whixall Bog, North Shropshire, England	April 2013
Sarracenia	purpurea	purpurea	var. rupicola	9	Dorcas Bay, Ontario, Canada	
Sarracenia	leucophylla			4	Gas Station site, Perdido	February 2017
Dionaea	muscipula		Mixed, open pollinated	22		2017
Stylidium	eriorhizum			1	Mount Fox, Nth QLD	
Catopsis	berteroniana			30		January 2018
Byblis	liniflora			3		May 2017