BROMELETTER
THE OFFICIAL JOURNAL OF THE BROMELIAD SOCIETY OF AUSTRALIA INC.

Issue: Volume 53 Number 1 - January—February 2015.

CONTENTS

Management Details 2,3, 21,22
Show & Tell - November, December 4
Bromsmatta Update 5
Plant of the Month Competition - November 6
Plant of the Month Competition - December; A note on T/Vs 7
Coping in an Australian Heatwave 8,9
What Shade Cloth to Use 10,17
Photos 11,12,13,14
T. Evita Plus Derek Butcher 15,20
New Members 19
Treasurer’s Report November / December 19
Some Websites of Interest 20
Father Christmas 20
Seed Bank 22,23

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Membership renewals are due 1st JANUARY each year

The Annual General Meeting of the Bromeliad Society of Australia Inc, will be held Saturday 14th February 2015
<table>
<thead>
<tr>
<th>COMMITTEE</th>
<th>0408 202 269</th>
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</thead>
<tbody>
<tr>
<td>President</td>
<td>Ian Hook (<a href="mailto:ianhook1@bigpond.com">ianhook1@bigpond.com</a>)</td>
</tr>
<tr>
<td>Vice President (1)</td>
<td>Robyn Firth 02 4774 2332</td>
</tr>
<tr>
<td>Vice President (2)</td>
<td>Ron Farrugia 02 9533 2546</td>
</tr>
<tr>
<td>Secretary</td>
<td>Patricia Sharpley 0439 672 826</td>
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<tr>
<td>Treasurer</td>
<td>Alan Mathew 02 9516 5976</td>
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<tr>
<td>Editor &amp; Memb Sec</td>
<td>Kerry McNicol 0439 998 049</td>
</tr>
<tr>
<td>Member</td>
<td>Helga Nitschje 02 9624 1528</td>
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<td>Member</td>
<td>Gary Lock 02 9836 2801</td>
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<td>Member</td>
<td>John Cornale 02 9823 0987</td>
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<td>Joe de Gabriel 02 4976 1409</td>
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<td>Member</td>
<td>Eugene Morris 02 9743 6443</td>
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<tr>
<td>Member</td>
<td>Bob Sharpley 0439 672 826</td>
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<table>
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<tr>
<th>BROMELIAD SOCIETIES AFFILIATED WITH THE BROMELIAD SOCIETY OF AUSTRALIA INC.</th>
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<tr>
<td>Bromeliad Society of Victoria.  The Secretary, P.O. Box 101, Darling. Vic. 3145</td>
</tr>
<tr>
<td>Caboolture &amp; Districts Brom. Society Inc.,  The Secretary, P.O. Box 748, Caboolture Qld. 4510.</td>
</tr>
<tr>
<td>Cairns Bromeliad Society Inc.  The Secretary, P.O. Box 28, Cairns. Qld. 4870</td>
</tr>
<tr>
<td>Gold Coast Succulent &amp; Brom. Society  The Secretary, P.O. Box 94, Southport B.C., Southport Qld. 4215.</td>
</tr>
<tr>
<td>The Hunter Bromeliad Society Inc.,  C/- 59 Barton St, Mayfield. NSW 2304.</td>
</tr>
<tr>
<td>Townsville Bromeliad Study Group,  C/- Mrs K Greenway, 10  Holstein Place, BLACK RIVER. Qld 4814.</td>
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Material for Bromeletter - address to:  
e-mail: membsec@bromeliad.org.au  
All other correspondence to:  
The Secretary, Bromeliad Society of Australia Inc.,  
P.O. Box 340, RYDE NSW 2112.

Please Note  
BROMELIADS will be on sale at the Club from 12.30 p.m. before the monthly meeting.
MEETING VENUE AND TIME

SECOND SATURDAY OF EACH MONTH AT THE
BURWOOD R. S. L. CLUB,
Cnr. Shaftesbury Road and Clifton Avenue, Burwood.
Meetings commence at 1.00 p.m.
in the First Floor Conference Rooms/Auditorium.

PLEASE NOTE: AFTERNOON TEA WILL BE ORGANISED BY THE
CATERERING STAFF, NO FOOD IS TO BE BROUGHT INTO THE CLUB

MEETINGS PROGRAM

January 10th - Show & Tell; Sales; Raffle; Competitions
   Talk: Sydney Bushland
   Boronia Tours—Jennifer Farrer

February - Show & Tell; Sales; Raffle; Competitions.

EVENTS CALENDAR

April 16-19, 2015.
18th Australasian Bromeliad Conference,
Parramatta. NSW.

Life Members:
Grace Goode O.A.M  Margaret Draddy
Bill Morris        Ron Farrugia
Ruby Ryde         Graham McFarlane
Keith Ryde        Eugene Morris
Andre Staelens    Ken Woods

BSA Website
www.bromeliad.org.au
president@bromeliad.org.au
President Ian's Mobile: 0408 202 269

Life Members:
Grace Goode O.A.M  Margaret Draddy
Bill Morris        Ron Farrugia
Ruby Ryde         Graham McFarlane
Keith Ryde        Eugene Morris
Andre Staelens    Ken Woods

MAIL ORDER PAYMENTS BY BANKCARD/MASTERCARD/VISA.
(Subject to A$10.00 minimum.)
Members using the Bankcard, Mastercard or Visa mail order facility
should provide the following details, printed clearly in block letters, on a
separate sheet of paper:-
• Name and address of MEMBER.
• CARDHOLDER name details, as shown on card.
• Bankcard/Mastercard/Visa number and expiry date.
• CARDHOLDER signature (essential).
• Payment details (membership renewal, book purchase, postage, etc.)
  with $A amounts for each item.
SHOW & TELL
NOVEMBER 2014

Show and Tell began with Kerry McNicol showing plants featured in the ‘Grandfathering In’ article from November/December Bromeletter 2014. Firstly, the influence of Canistropsis burchelli, could clearly be seen in xNeobergiopsis Newk (Newk being seemingly a larger version of burchellii)

Some discussion was had regarding the authenticity of xNeobergia Noddy. The plant Kerry had as xNeobergia Noddy was the same cross but did not fit the description. Further investigation is required if we are to state with certainty that this is the correct ‘Noddy’.

Terry Davis, again delighted us with a variety of well grown and flowering Tillandsias. Of particular note was a rather large flowering pair of T.seleriana attached to the parent in quite a small pot (see pic p11). There were the two forms of T. gracilis, both in flower showing the clear difference between the two (p11).

Ron Farrugia showed us a Tillandsia he received a few years ago, with quite a large spike. It was labelled ‘Tillandsia specie or hybrid, BAK—very long pendant inflorescence’ (pic p11). Quite impressive.

Robyn Firth spoke about the Puya berteroniana which has been renamed Puya alpestris ssp zoellneri, which honours the German-born botanist and specialist of Chilean flora Otto Zoellner (1909-2007). So please change your tags if you are growing this plant.

DECEMBER 2014

Another short Show & Tell this month was opened by our President Ian Hook, who showed us acanthostachys pitcairn ia which had flowered and now has white bulbous fruit. Last year Ian showed us the blue/purple flower, which is usually almost buried in the growing medium. He missed them this year but has fruit to show.

Werner Raff handed around T.usneoides in flower in order to demonstrate its perfume.

Alan Mathew brought in a spineless Aechmea fasciata hybrid, which was labelled ‘Primera’. However, he believes it is more likely one of the other hybrids known as Aechmea ‘Frost’, which, it was agreed would be more likely. Many of us bought these hybrids years ago, under various names. Some have had success in flowering them, however painfully slow they may be, others have only had pups with no sign of flowering. One member has had a variety of one of these plants since 1988 with only a few pups and no flowers, with mature plants withering and dying. It was thought that this may be one of the shortfalls of tissue-culture, if that is how these plants originated.
The Conference Registration form is now available on the web. Early discount available till Jan 31 2015
www.bromeliad.org.au then click Bromsmatta Conference 2015.

**If paying by cheque, please make them payable to 'The Bromeliad Society of Australia'.**

Remember, this DOES NOT include accommodation at the Novotel. This should be arranged by you, bookings are now open. (02-9630-4999)

**Conference rates** have been negotiated and the code is available from the above website.

**Conference Registration**: please refer to the website above.

**Sales**:

- **Sales to Registrants Only**: Thursday 6.45-9.00; Friday 3.45-5.00; Saturday 8.00-10.00; as well as during

  **Sales to the Public**:

  - Saturday 10-3.30; Sunday 10.00-1.00

**Speakers**:

- **Dennis Cathcart** – co-owner Tropiflora Nursery, Florida USA and collector of many new species.
- **Nigel Thompson** – Dandaloo Nursery. Grows and develops outstanding Vriesea.
- **Bruce Dunstan** – Widely published and respected grower. South America traveller and collector.
- **Dr. Theresa Bert** – Biologist, BSI master Judge. Specialist in Bromeliad botany, ecology and evolution. Dr Bert will be giving two lectures.
- **Doug Cross** – Director of Cryptanthus Society International and hybridiser.
- **Laurie Dorfer** – Bromeliad Judge with extensive qualifications in Horticulture and Arboriculture. Will speak on ‘Local Fungal Diseases in Bromeliads’
- **Andy Siekkinen** – Scientist, explorer, tour guide, discovering and collecting Tillandsia and terrestrials.
- **Pamela Koide Hyatt** – Bird Rock Tropicals Nursery, extensive exploration and discoveries.
- **Peter Tristram** – Topic: Nature’s colour game becomes horticulture’s delights

**Planning** is progressing and, as news becomes available, we will update on the website and in this section.

The **Volunteer** draft roster is available for perusal at our monthly meetings. Please check to see if you can lend a hand.
**Plant of the Month Competition**

**November 2014**

<table>
<thead>
<tr>
<th>Category</th>
<th>Open Judge’s Choice</th>
<th>Open Members’ Choice</th>
<th>Novice Judge’s Choice</th>
<th>Novice Members’ Choice</th>
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<tr>
<td>1st</td>
<td>xNeomea Solar Flare (?)</td>
<td>1st</td>
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<tr>
<td></td>
<td>Kerry McNicol</td>
<td>Tillandsia hybrid</td>
<td>Tillandsia streptophylla</td>
<td>Tillandsia streptophylla</td>
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<tr>
<td></td>
<td>Kerry McNicol</td>
<td>Tillandsia globosa</td>
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<td>3rd</td>
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<tr>
<td></td>
<td>Werner Raff</td>
<td>Orthophytum Blaze</td>
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<thead>
<tr>
<th>Category</th>
<th>Open Judge’s Choice</th>
<th>Open Members’ Choice</th>
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<th>Novice Members’ Choice</th>
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<tbody>
<tr>
<td>1st</td>
<td>xNeomea Solar Flare (?)</td>
<td>1st</td>
<td>Vriesea flammea</td>
<td>1st</td>
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<tr>
<td></td>
<td>Kerry McNicol</td>
<td>Tillandsia hybrid</td>
<td>Joy Clark</td>
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<td>2nd</td>
<td></td>
<td>2nd</td>
<td>Tillandsia streptophylla</td>
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<tr>
<td></td>
<td>Kerry McNicol</td>
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<td>Lindsay Munro</td>
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<td>3rd</td>
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<td>3rd</td>
<td>Tillandsia foliosa</td>
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<tr>
<td></td>
<td>Werner Raff</td>
<td>Orthophytum Blaze</td>
<td>Joy Clark</td>
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<th>Novice Judge’s Choice</th>
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<tr>
<td>1st</td>
<td>Vriesea flammea</td>
<td>Joy Clark</td>
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<tr>
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<td>Tillandsia streptophylla</td>
<td>Lindsay Munro</td>
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<tr>
<td>3rd</td>
<td>Tillandsia foliosa</td>
<td>Stellio DeVillecourt</td>
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<th>Margaret Draddy Artistic Competition</th>
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<tr>
<td>1st</td>
<td>Kaboom</td>
</tr>
<tr>
<td>2nd</td>
<td>Framed</td>
</tr>
<tr>
<td>3rd</td>
<td>Aechmea nudicaulis</td>
</tr>
</tbody>
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**PINEGROVE BROMELIAD NURSERY**

Ross Little & Helen Clewett  
114 Pine Street, Wardell  
P O Box 385, Wardell  NSW 2477  
Phone/Fax: (02) 6683 4188  
E-mail  
pinegrovebromeliads@bigpond.com
## Plant of the Month Competition

### December 2014

**Open**

<table>
<thead>
<tr>
<th>Position</th>
<th>Plant Description</th>
<th>Winner</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>T. ionantha ‘Mauii’</td>
<td>Joy Clark</td>
</tr>
<tr>
<td>2nd</td>
<td>T/V olmosana (decurved)</td>
<td>Carolyn Bunnell</td>
</tr>
<tr>
<td>3rd</td>
<td>T. lieboldiana</td>
<td>Sandra Southwell</td>
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**Open - Members’ Choice**

<table>
<thead>
<tr>
<th>Position</th>
<th>Plant Description</th>
<th>Winner</th>
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<tbody>
<tr>
<td>1st</td>
<td>T/V olmosana (decurved)</td>
<td>Carolyn Bunnell</td>
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<tr>
<td>=2nd</td>
<td>T. ionantha ‘Mauii’</td>
<td>Joy Clark</td>
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<tr>
<td>=2nd</td>
<td>Vr delicatula</td>
<td>Joy Clark</td>
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<tr>
<td>3rd</td>
<td>T. lieboldiana</td>
<td>Sandra Southwell</td>
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**Novice**

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<tbody>
<tr>
<td>1st</td>
<td>T. caput-medusa</td>
<td>John Campbell</td>
</tr>
<tr>
<td>2nd</td>
<td>T. caput-medusa</td>
<td>Lindsay Munro</td>
</tr>
<tr>
<td>3rd</td>
<td>T. Hondurensis</td>
<td>Lindsay Munro</td>
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**Novice - Members’ Choice**

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<th>Position</th>
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<th>Winner</th>
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<td>Vr guttata</td>
<td>Carole Taylor</td>
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<tr>
<td>2nd</td>
<td>T. caput-medusa</td>
<td>Lindsay Munro</td>
</tr>
<tr>
<td>3rd</td>
<td>T. Hondurensis</td>
<td>Lindsay Munro</td>
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### Margaret Draddy Artistic Competition

**December**

<table>
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<th>Plant Name</th>
<th>Winner</th>
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<tbody>
<tr>
<td>1st</td>
<td>Christmas Joy</td>
<td>Joy Clark</td>
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**A note about ‘T/V’s**

In 2009 after much ‘to & fro’ about some previously described Vrieseas which could / should be included in the Genus Tillandsia (as they show characteristics of both genera).

The simple answer was to call the Vrieseas that come from the Colombian area that look like Tillandsia - T/V’s. This is not acceptable to all, but the tillandsia growing community uses the term ‘descriptively’.

(Thanks to Derek Butcher for the simple answer)
Coping in an Australian Heatwave

Once again, summer has hit with a vengeance! AND it was still spring. Many ‘senior’ growers (old gardeners) have been through enough summers to know that there will be at least one or two scorchers in spring, a few in summer and one or two in autumn. It is just Mother Nature showing us who really is boss!

All major cities in Australia (except perhaps Hobart), have and will, in the future, experience heat wave conditions with 40°C+ for days on end. This is bad enough, but coupled with a lack of rain (hence low humidity) it can make growing quality bromeliads very challenging.

If we get an early 40°C+ day in early spring, and you are not prepared with extra shade/protection, many precious plants could be severely sunburnt. The angle of the sun in Spring, is much less than it is in midsummer (80° from the horizon) and its damaging rays can get in under any protecting foliage and overhead shade. This is also true in Autumn as the tracking of the sun is much lower in the northern sky (58°) with as much burning power of a summer sun.

What can we do to prevent damage to our precious plants?

IF it is possible to move plants, until the sun is higher in the sky, this would be the easiest option. If there are just too many, or this is not a solution that appeals to you, then temporary shade may be your answer.

This can range from one or many sheets placed over the plants, to large shade umbrellas, placed strategically to protect your plants.
of shade-cloth strung through your garden area, which is more often your backyard entertainment area. If you can set up permanent shade you should take into consideration the path of the winter sun.

Humidity is also very important. If possible keep your bromeliads well hydrated. As well as regularly watering the potting medium and the ground area around you plants, in order to keep moisture levels up, this will often be just enough to prevent damage.

If you can’t, or do not wish to do any of this, another option could be to use one of the protectant sprays such as ‘Drought Shield’, ‘Wilt Not’ or ‘Envy’ (available in Australia). These products were developed as a guard against frost, but also help with heat stress and transplant shock. It is basically a polymer coating sprayed onto all leaf surfaces to decrease water loss. It still allows the plants to transpire and photosynthesise, with seemingly no adverse effects on the plants. It is not satisfactory for use on Tillandsias, as it may clog the trichomes on the grey ‘furry’ varieties. (Caution should be exercised if you choose to use these products. Directions should be followed carefully AND ‘test’ some less valuable plants to check for damage.)

I have used one of these products and found it does help greatly with extremes of temperature. However, I found that every plant must be spotlessly clean before application as the polymer is similar to watery PVA glue and every speck of dust and debris is ‘glued’ to your plant for 3, or often, more months (on the plus side, it also kills any soft or flyspeck scale!). The spray has to be reapplied as your plants grow or the new growth may be affected by heat or cold. If you have a smaller collection, this could be your option.

Lastly, an option we all would love, build huge shade houses with high ceilings covered in opaque solar guard to optimise light conditions and set up a watering system that never fouls or ‘misses’ any corners creating a warm humid environment for our plants.

You might ask ‘Why bother ……?’ but we all know why! **We’re addicts**
WHAT SHADE CLOTH TO USE

Graham Barclay (Bromeliad Society of NZ)

Taken from FNCBSG March 2011

At our September meeting in Auckland I gave a talk, based on research I did, to find out which colour and type of shade cloth gives the best results for growing bromeliads. In this article I report on the research findings.

Last year I designed and constructed a new shade house, so I wanted to ensure I used the best cloth to allow me to grow well formed and colourful neos all year round. I found definitive information relating to shade cloth and bromeliads hard to find. I therefore embarked on an 'ask-a-thon', talking to fellow growers and conducting a survey on a bromeliad internet forum. Basically, it comes down to two main things—shade factor and cloth colour. However, common sense says there are also a number of important considerations you need to be aware of when designing your shade house—more on that later.

STEP ONE: COLOUR

You need to select the best colour shade cloth to use for the types of bromeliads you are growing. There are a number of colours available from different sources. Here are the pros and cons from a technical point of view:

**Green**  =  Produces low levels of 'PAR' (PAR = Photosynthetically Active Radiation), which is the portion of the sun's radiation spectrum that best promotes photosynthesis, thus plant growth. Reflects the green light (which is useless for plants in photosynthesis).

**Black**  =  Neutral effect on light transmission. Restricts 'PAR' only by size of holes in mesh, as no light passes through the mesh strands. Absorbs heat and solar radiation but reduces polarised (glary) light off plants.

**White**  =  Increases 'PAR' efficiency, and transmits the best balance of light colours. Optimises light diffusion and maximises yield by allowing the most light to reach the plants, for faster and bigger growth. Also reflects the most solar radiation. Can cause polarised light problems (glare) - although knitted types of cloth don't seem to do this as much as woven types.

**Red**  =  Promotes good levels of 'PAR'. Reduces the blue, green and yellow light and increases the red and far red light spectrum. Use for accelerated growth, early ripening, greater foliage volume and accelerated photosynthesis. However, can cause some plants to look a 'different colour'.

**Blue**  =  Restricts 'PAR' levels. Reduces the red and far red light and increases the spectrum. Slows plant development, giving a more compact plant. Slows photosynthesis, delays ripening. However can cause some plants to look a 'different colour'.

Continued p 17
**SHOW & TELL.**

T. fuchsia var fuchsia (left) & T. fuchsia forma gracillis

T. seleriana

Tillandsia Specie or hbrid. Bak
Very long pendant inflorescence

**Margaret Draddy Artistic Competition**

**November**

Kaboom
1st Carolyn Bunnell

Framed 2nd Joy Clark

Aechmea nudicaulis
3rd Milena Della-Porta

**DECEMBER**

Christmas Joy
1st Place
Joy Clark

Neomea 'Solar Flare'
Open 1st Judges & Members
K McNicol

Tillandsia globosa
Open 3rd Judges
W Raff

Orthophytum 'Blaze'
Open 3rd Members
R Farrugia

Tillandsia hybrid
Open 2nd Judges & Members
K McNicol

Vriesea flammea
Novice 1st Judges & 3rd Members
J Clark

Tillandsia streptophylla
Novice 2nd Judges & 1st Members
Lindsay Munro

Tillandsia foliosa
3rd Novice Judges
J Clark

Neoregelia 'Bossa Nova'
Novice 2nd Members
Stellio De Villecourt

T. ionantha ‘Mauii’
Open 1st Judges
=2nd Members
Joy Clark

T/V olmosana
Open 2nd Judges
1st Members
Carolyn Bunnell

T. lieboldiana
Open 3rd Judges & Members
Sandra Southwell

Vriesea deliculata
Open =2nd Members
Joy Clark

T caput-medusae
Novice 2nd Judges, 1st Members
Lindsay Munro

Vriesea gutatta
Novice 1st Members
Carole Taylor

Apologies: we have no photograph of Lindsay Munro’s 3rd place Judges & Members T Hondurensis
Show & Club Champions

Show Grand Champion
Carolyn Bunnell

Show Reserve Champion
Robyn Firth

Show Novice Champion
John Schembri

Show Species Award
Lydia Hope

Monthly Competition
Novice Champion
Joy Clark

Monthly Competition
Open Champion
Kerry McNicol

Margaret Draddy
Artistic Award
Sandra Southwell

*Tillandsia Evita Plus*
In 2006 Chris Larson sent me a puzzle. It had ‘T. argentina x ?
didisticha Neville Ryan 1001’ on the label. It is slow growing in Adelaide conditions and has just flowered. It seems that Neville grew seed from the BSI seed bank called T. argentina, but the resultant seedlings did not look like the species, so who was father.

Father could well have given us the white flowers but whether it is T. didisticha is conjecture. There are at least 4 collections in Australia that have this plant and the time has come to give it a cultivar name.

As an aside, Eric Gouda saw similarities with the mysterious T. pfeufferi, which is an enigma in itself, but a wild phenomenon.

Now to a letter I got from Walter Till in 1997

Dear Derek:
Thank you for your letter from 26 February and the pictures of the Knize plant.

The figured plant is doubtlessly interesting but I do not believe that it is T. pfeufferi which in my eyes is a natural hybrid between T. lorentziana and T. vernicosa. The leaf morphology of the plant figured in Trop. Subtrop. Pflanzenwelt 65: 62, Abb. 39 links (“1988”, Mai 1989) is strongly resembling that of T. vernicosa while the inflorescence is that of T. lorentziana which can be simple. Petals are usually white in both species. However, occasionally violet flowering T. lorentziana has been found.

The plant in your pictures belongs to the alliance of T. lorentziana and is very close to T. zecheri. Except of the secund leaves and the pale violet petals I cannot see essential differences to the latter.

I know your plant from a collection from south Bolivia, from the area between Camargo and Culpina, 3200 m s.m. This is at higher altitude than are the localities of T. zecheri and of its var. cafayatensis in Argentina but is not dramatic as the Bolivian locality is somewhat nearer to the equator and vegetation is going correspondingly higher upwards the nearer one comes to the hot tropics.

Anyway, a careful examination of the characters of your plant and comparison with T. zecheri should be made. Perhaps your plant merits the status of an own variety. According to my opinion, however, your plant is not T. pfeufferi.

Best Regards
Walter

The Knize plant went on to become T. 'Pfantom' and is in Australian collections as is the infamous T. pfeufferi having been imported from Heidelberg. Could the father of our plant be T. vernicosa and not T. didisticha? Life was not meant to be easy!

... cont p20
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AND OTHER GENERA TO:
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E-mail: wm_paterno@bigpond.com
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“For My Own Satisfaction” Book 2. Crypt., Til., Vr., etc.
Books available on-line at www.bromeliad-hybrids.com
Sandstone/Beige = Allows good light transmission and 'PAR' levels and is best, especially where colour is required (e.g. neoregelias, billbergias etc.) as it enhances the 'reds'. Has a lesser polarised light problem than with white, but greater than black. So, the best colour cloth for growing colourful broms appears to be Beige/White/Black — probably in that order. Experienced growers I spoke to agreed and almost all use one or more of these colours in their own shade houses.

STEP TWO: SHADE FACTOR
Next, look at what shade factor or 'UV percentage block-out' level is best for your situation. Basically, this comes down to the size of the holes in the shade cloth—a lower percentage means larger holes and more light. My research showed that as a 'rule of thumb' the most commonly used shade factors were 30% or 50% for neoregelias and hardy bromeliads, while 50% or 70% is best for vrieseas and other softer leaf genera.

STEP THREE: ASPECT
The shade house location, aspect to the north-facing and midday sun in both summer and winter; roof shape; wall height; shelter from wind; the proximity to buildings, trees, walls and high fences—are all important factors that you need to take into account when selecting what cloth to use. The 'golden rule' is to ensure the shade house light level is not going to be adversely affected through the whole year by any of the environmental factors mentioned above. For example, if the shade house gets only morning sun and minimal midday and afternoon sun in winter—but, sun nearly all day long in summer, it may be advisable to use two layers of shade cloth in the summer, so you can remove one layer and allow as much light in as possible in winter. This would mean you need to select a lighter gauge cloth (say 30%) for two layers, rather than going for one heavy 50%-70% cloth.

Some other facts and tips:
* Always use knitted cloth, not woven. Knitted cloth won't rip and is very strong, UV stable and lasts for years.
* The higher the cloth is above the plants, the better the light diffusion (spread) and the air flow will be—which is better for growing.
* Two layers of, say 30% cloth does not equal a 60% shade factor—it is more like 40%-50%.
* Use heavy white cloth (80%-90%) to line the inside of shade house walls to reflect extra light onto plants if required, but do not restrict air flow too much (i.e. leave gaps top and bottom).
* Use different coloured and shade factor segments of cloth over different plants if you need to—e.g. seedlings verses mature plants. Experiment over four seasons to see what works for you and your location. Ensure you design for your conditions and plants.

NOTICE IS HEREBY GIVEN

that the Annual General Meeting of

The Bromeliad Society of Australia Inc.

will be held on Saturday, 14th February 2015 at the

Burwood RSL Club at 1.00 p.m.

At each AGM “all elected office bearers . . . shall retire and the
meeting shall elect members to fill the positions (Rule 25) as set out
in rule 17”. (Rule 17 states that the Management Committee of the
Society shall not be less than seven(7) and not more than twelve(12)
members (called Office Bearers). The President, Vice Presidents(2),
Secretary, Treasurer and Editor shall be ex-officio members of the
committee.)

Candidates for each position on the Committee must be nominated
and seconded, such nominations to be signed by each nominator and
nominee and to be in the hands of the secretary at least twenty-one
(21) days before the AGM. The last date for the receipt of nomina-
tions by mail will be:

Friday, 23rd January 2015

Only members whose subscriptions are fully paid up for 2015 will be
eligible to vote. (Rule 32)

Members wishing to stand for positions on the Executive Committee
and other offices within the Society, should obtain the relevant
form from the Secretary. They should ensure that the form is com-
pleted appropriately and in the hands of the Secretary not later
than Friday 23rd January, 2015. Or Saturday 24th January 2015 if
delivered by hand.

AGENDA:
Minutes of the previous Annual General Meeting
President’s Annual Report
Treasurer’s Annual Financial Report
Election of Officers
Matters arising from the above.

General Business will be discussed at the Open Meeting held on
the same day, following the conclusion of the AGM.
Treasurer’s Report

Treasurer Alan Mathew gave the following details regarding our:

Operating Account to October 31, 2014:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brought Forward</td>
<td>$23,258.76</td>
</tr>
<tr>
<td>Plus Income:</td>
<td>8,712.22</td>
</tr>
<tr>
<td>Add un-presented cheque</td>
<td>5.00</td>
</tr>
<tr>
<td>Less expenses</td>
<td>1,230.96</td>
</tr>
<tr>
<td>Bank Statement as at 31/10/2014</td>
<td>$30,745.02</td>
</tr>
</tbody>
</table>

Operating Account to November 30, 2014:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brought Forward</td>
<td>$30,745.02</td>
</tr>
<tr>
<td>Plus Income:</td>
<td>3,050.91</td>
</tr>
<tr>
<td>Less expenses</td>
<td>1,192.09</td>
</tr>
<tr>
<td>Bank Statement as at 30/11/2014</td>
<td>$32,598.84</td>
</tr>
</tbody>
</table>

Please note: these totals include Conference receipts and expenses.
**Tillandsia 'Evita Plus'**  

Years ago I got a plant with *T. argentina* on the label and clearly a seedling, from Maurice Kellett in Victoria which offsets profusely but never flowers. I have given away many offsets with the plea, “Tell me if it flowers!” I called it 'Evita' because of its links to Argentina and the song 'Don't cry for me!' because of the disappointment. It has a flower spike similar our NEW find which had me taking yet another check for a flower! Because of these links we should call it 'Evita Plus' because at least it does flower.

**Description:**
Plant 15 cm wide, 12 cm high, leaf sheath merges with the blade, 1 cm wide, green with scales, peduncle 2 cm long, inflorescence up to 3 spikes, terminal spike to 7 cm long and 1 cm wide, petals white, stamens included.

**Some websites which may be of interest . . . .**
- Bromeliads in Australia (BSA site) - [http://www.bromeliad.org.au/](http://www.bromeliad.org.au/)
- BSI cultivar Registry - [http://registry.bsi.org/](http://registry.bsi.org/)

The above are very useful for identification and information regarding bromeliads.

If you are a Facebook user, you may like to search for the group *Planet Bromeliad*. You can then browse the pictures there or on the associated planets and moons. You don’t have to join, but can ogle the many beautiful pictures of all Genera of bromeliads.

**OFFICE-BEARERS:**

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Book Sales</td>
<td>Ian Hook</td>
</tr>
<tr>
<td>Librarian</td>
<td>Graham MacFarlane</td>
</tr>
<tr>
<td>Catering</td>
<td>Helga Nitschke; Lydia Hope</td>
</tr>
<tr>
<td>Raffle Sales</td>
<td>Peter Fitzgerald</td>
</tr>
<tr>
<td>Pots, Labels, etc - Sales</td>
<td>Ron Farrugia</td>
</tr>
<tr>
<td>Plant of the Month</td>
<td>Terence Davis</td>
</tr>
<tr>
<td>Show Registrar</td>
<td>Terence Davis</td>
</tr>
<tr>
<td>Show Co-ordinator/s</td>
<td>Ian Hook; Terence Davis</td>
</tr>
<tr>
<td>Purchasing Officer</td>
<td>Robyn Firth</td>
</tr>
<tr>
<td>Show Display</td>
<td>Joy Clark</td>
</tr>
</tbody>
</table>
MEMBERSHIP APPLICATION:

ANNUAL SUBSCRIPTION: Renewal due **January 1st** for membership year January to December.
Membership: Australia A$20

New Membership requires a $5 joining fee, plus Annual Subscription.
(Those joining after October 1st are covered for the following year.)

Note: Un-financial members must add $5 rejoining fee when re-applying for membership.
Members will become 'un-financial' if renewals have not been received by the end of our Autumn Show.

<table>
<thead>
<tr>
<th>LITERATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TITLE</strong></td>
</tr>
<tr>
<td>Bromeliads for the Contemporary Garden.</td>
</tr>
</tbody>
</table>

**LITERATURE:** For Mail Order delivery cost, please contact: librarian@bromeliad.org.au
Or write to: P.O. Box 340, Ryde. 2112
For the full list of Literature for sale, go to http://www.bromeliad.org.au/Contacts/BSALibrarian.htm
SEED BANK

The Seed Bank provides a service to members of the Bromeliad Society of Australia, supporters of the Seed Bank and other interested enthusiasts, for the collection and distribution of all types of Bromeliad seeds from local and overseas sources.

Thanks go to all those who have donated seed.

Seeds cost 50¢ per packet for Members and Seed Bank supporters (plus postage) or $1 per packet (plus postage) for all other enquiries:

Enquiries for seeds should be directed to

Terry Davis
(02) 9636 6114 or 0439 343 809

The following Seeds are now available

<table>
<thead>
<tr>
<th>Species</th>
<th>Availability</th>
<th>Donor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vr. hieroglyphica</td>
<td>July/Aug, Nov 14</td>
<td>W Raff/ L Dorfer</td>
</tr>
<tr>
<td>T. gardneri</td>
<td>Aug, Sept, Nov 14</td>
<td>S Southwell / T Davis / Bob Hudson</td>
</tr>
<tr>
<td>T. bartramii</td>
<td>Aug, Sept 2014</td>
<td>Terry Davis</td>
</tr>
<tr>
<td>T. myosura</td>
<td>31/08/14</td>
<td>Terry Davis</td>
</tr>
<tr>
<td>T. pohliana</td>
<td>August 2014</td>
<td>Greg Aizlewood</td>
</tr>
<tr>
<td>T. tricholepis</td>
<td>25/09/14</td>
<td>Terry Davis</td>
</tr>
<tr>
<td>T. capillaris</td>
<td>22/09/14</td>
<td>Terry Davis</td>
</tr>
<tr>
<td>T. fasciculata (nice red bracts)</td>
<td>03/09/14</td>
<td>Bob Hudson</td>
</tr>
<tr>
<td>T. fasciculata (multi-branched red bracts)</td>
<td>28/09/14</td>
<td>Bob Hudson</td>
</tr>
<tr>
<td>Werauhia sanguinolenta</td>
<td>07/09/14</td>
<td>Bob Hudson</td>
</tr>
<tr>
<td>Guzmania sanguinea</td>
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<td>Bob Hudson</td>
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<tr>
<td>T. minutiflora (ex bryoides)</td>
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<td>Terry Davis</td>
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<tr>
<td>Vr. Red Chestnut</td>
<td>10/14</td>
<td>Jorgen Jakobsen</td>
</tr>
<tr>
<td>T. mooreana x cretacea</td>
<td>08/10/14</td>
<td>Bob Hudson</td>
</tr>
<tr>
<td>Species</td>
<td>Date(s)</td>
<td>Collectors</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>---------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td><em>T. pohliana</em></td>
<td>06/10/14</td>
<td>Kerry McNicol</td>
</tr>
<tr>
<td><em>Alc. imperialis rubra</em></td>
<td>10/10/14, 10/11/14</td>
<td>Robyn Firth, Laurie Dorfer</td>
</tr>
<tr>
<td><em>Araeococcus flagellifolius</em></td>
<td>19/10/14</td>
<td>Chris Larson</td>
</tr>
<tr>
<td><em>T. belloensis</em></td>
<td>19/10/14</td>
<td>Mark Supple</td>
</tr>
<tr>
<td><em>T. variabilis</em> (small form)*</td>
<td>19/10/14</td>
<td>Mark Supple</td>
</tr>
<tr>
<td><em>T. festucoides</em></td>
<td>19/10/14</td>
<td>Mark Supple</td>
</tr>
<tr>
<td><em>Alcantarea imperialis</em></td>
<td>19/10/14</td>
<td>Jorgen Jakobsen</td>
</tr>
<tr>
<td>(not rubra)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Achmea recurvata</em> (small red form)*</td>
<td>22/10/14</td>
<td>Greg Aizlewood</td>
</tr>
<tr>
<td><em>T. pseudo-setacea</em></td>
<td>24/10/14</td>
<td>Kerry McNicol</td>
</tr>
<tr>
<td><em>T. magnusiana</em></td>
<td>25/10/14</td>
<td>Terry Davis</td>
</tr>
<tr>
<td><em>Alcantarea extensa</em></td>
<td>25/10/14</td>
<td>Terry Davis</td>
</tr>
<tr>
<td><em>T. remota</em></td>
<td>27/10/14</td>
<td>Terry Davis</td>
</tr>
<tr>
<td><em>T. pauciflora</em></td>
<td>28/10/14</td>
<td>Terry Davis</td>
</tr>
<tr>
<td><em>T. schiedenana</em></td>
<td>13/11/14</td>
<td>Terry Davis</td>
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<tr>
<td><em>T. polystachia</em></td>
<td>13/11/14</td>
<td>Terry Davis</td>
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<tr>
<td><em>Vr. saundersii</em></td>
<td>11/14</td>
<td>Ian Hook</td>
</tr>
<tr>
<td><em>T. pseudo-baileyi</em></td>
<td>27/11/14</td>
<td>Bob Hudson</td>
</tr>
<tr>
<td><em>T. limbata</em></td>
<td>27/11/14</td>
<td>Bob Hudson</td>
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<tr>
<td><em>T. fasciculata</em> (ex C Larson)*</td>
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<td>Bob Hudson</td>
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<tr>
<td><em>Vr. racinae</em></td>
<td>15/11/14</td>
<td>Laurie Dorfer</td>
</tr>
<tr>
<td><em>Guz. sanguinea</em> var. brevipedicellata*</td>
<td>17/11/14</td>
<td>Laurie Dorfer</td>
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</table>