

Gold Coast Succulent & Bromeliad Society Inc.

May - June 2018 # 3

BROMLINK



Optimized by www.ImageOptimizer.net

CONTENTS

Advertising Rates	2	Alcantarea patriae	10
Current Volunteers	3	Important Notice	10
President's Page	4	Changes to Cryptanthus Genus	11
Upcoming Speakers & Events	5	Bigeneric Bromeliads	14
Grace Goode	6	Cultural Notes - Kalanchoe	16
Popular Vote Competition	7	Editor's Notes	19
Sausage Sizzle Photos	9	Shopping Centre Dates	20
Annual Bromeliad Quiz	9	New Members	20



Front cover feature: *Mammillaria hahniana* (photo from Kaz Watanabe)

Next Edition (July - August) Deadline: 1st July 2018

Editor: gcsbs.bromlink@gmail.com

The Gold Coast Succulent and Bromeliad Society Inc. gives permission to all bromeliad societies to reprint articles in their journals provided proper acknowledgment is given to the original author and the Bromlink, and no contrary direction is published in the Bromlink. This permission does not apply to any other person or organisation without prior permission of the author.

Opinions expressed in the publication are those of the individual contributors and may not necessarily reflect the opinions of the Gold Coast Succulent and Bromeliad Society Inc. or of the Editor.

Authors are responsible for the accuracy of the information in their articles.

Send your photographs for consideration for publication or even as the front cover feature!
Articles for consideration for publication are also VERY welcome....email the Editor.

GCSBS Inc. Bromlink and Website Advertising Rates per issue

¼ A5 page \$10

½ A5 page \$15

¾ A5 page \$25

Full A5 page \$40 except for a full A5 back page which would be \$50.

All rates automatically entitle the advertiser to a free GCSBS website mention for the duration of your Bromlink listing. Ads for succulents or bromeliads or products directly related to their growing requirements only will be considered for publication.

Contact: GCSBS.Bromlink@gmail.com or GCSBS.President@gmail.com

Current Volunteers

www.gcsbs.org.au

<https://www.facebook.com/gcsbsincpublic/>

Gold Coast Succulent & Bromeliad Society Inc. (GCSBS)
PO Box 452, Helensvale Plaza, QLD 4215



MANAGEMENT COMMITTEE		
President	Narelle Aizlewood	aizlen51@gmail.com Phone: 07 5546 1161
Vice President	Bob Campbell	gcsbs.vicepresident@gmail.com
Secretary	Diane Monk	gcsbs.secretary@gmail.com
Treasurer	Greg Aizlewood	gregaizle@gmail.com
Other Committee Members	Noreen Wright, Peter Wright, True Grant, Gavin Braden, Margaret Higgins, Andrew Duncan	
SUPPORT TEAM		
Bromlink Editor/Memberships	True Grant	gcsbs.bromlink@gmail.com Phone: 02 6684 5374
Member Services	Gavin Braden	gbr11886@bigpond.net.au
Meeting Meet & Greet	Dave Boudier & Keryn Simpson	
Competition Convenors	True Grant & Noreen Wright	
Speakers & Events	Jeanette Henwood	
On-Site Sales Co-ordinators	Jen Burrows & Wendy Perske	Jen Burrows contact: gcsbs.sales@gmail.com
On-Site Sales Team	Janette Fowler, Brian Wallis, Anna & Andrew Cervenjak, Chris Aisbett & Bruce Condon Barcodes: Sylvia Nelson & Heather Condon	
On-Site Sales Steward	Peter Wright, Monica Mead	
On-Site Sales Support	Graeme Synold & Rob Kelly	
Off-Site Sales Co-ordinators	Peter & Noreen Wright, Narelle Aizlewood & Wendy Perske	
Kitchen Provided	Natasha Musch	
Librarians	Mark Gribbon	
Raffles	Shirley Grant	
Supplies Table	Graeme & Judy Symonds of The Orchid Den (PH: 0411 020 563)	
Internet Administrator	John Hodgkinson	
Patron	Bobby Powell	
LIFE MEMBERS		
Narelle Aizlewood, Graham Besgrove, John Catlan, Genny Catlan, Wendy Hansen, Mary Nicholson & Neville Ryan		

President's Page

May / June 2018

Our April Meeting was a lot of fun with our Annual Quiz being held and everyone having an enjoyable time. Thanks go to Jen Burrows who has done this quiz for us for the past four years and would like to pass the baton on for future quizzes – so if you are inclined and would like to have a go, I am sure that Jen would be very happy to help you.

Also, at the April Meeting we trialled a new layout for the hall with the sales area moved to the opposite side of the hall, enabling members of the general public who come to purchase plants, easy exiting from the hall. We also trialled a plant minding sector thus removing all plants from the floor of the meeting. I am glad to say that 29 members took advantage of the plant minding. Julie Bennett agreed to do this job. She unfortunately will not be available next month, but I am hoping that Jane Chapman will be able to help us in May and Julie has offered to do it till the end of the year. Sales flowed really well and the improvement was met with a reasonably good response.

I would sincerely like to thank Graeme Synold for his help month after month with the setting up of the sound system and also the projector and screen. This is invaluable for the purpose of the meeting procedure and Graeme is one of our quiet achievers – always there to lend a hand and help and always available.

The Shopping Centres continue to function well with Southport Park Shopping Centre and Mudgeeraba Market Shopping Centre both on this month. Thanks go to the members who have agreed to co-ordinate the various Shopping Centre Display and Sales that we have booked for 2018.

Membership also continues to grow with two new members ratified and accepted into the G.C.S.B.S. at the recent committee meeting. We welcome all new members to our Society. We hope you all have an enjoyable time, speaking to members both old and new and sharing our love of our wonderful Bromeliads and Succulents. Please feel free to join in, have your say, and get involved with YOUR Society.

Planning for the “Golden Brooms” Conference is moving in a positive direction with all of our Guest Speakers/Presenters confirmed. The four garden visits have also been confirmed and all of this information will be available in Conference Update No. 2 due out by the end of June/Mid July. Please visit the Conference Website on www.goldenbrooms.com to keep up to date. Information and Registration forms are also on the website and registrations can be made on line through Try Booking or personally with payments made by cash or cheque or EFT to our bank details listed.

Dates are confirmed for our next Judged Competition and Sales at Carrara on Saturday 17th and Sunday 18th November 2018, with setting up on Friday 16th. More details as they

come to hand and a schedule for the Judged Competition will be available in an upcoming edition of the Bromlink. Now is the time that we should all be starting to look at plants in the garden, keeping in mind how they will be looking in six months' time, & perhaps putting them aside and giving them a little more care to ensure that they are at their optimum for tabling and judging in November.

With the cooler weather heading our way, it may be prudent for some of our members, who live in colder climates, to look at putting into place strategies to help protect their plants from the cold weather conditions of Winter.

I hope that you are all enjoying your time in the society and I sincerely thank every member who helps out in any way for the betterment of the society and its members.

Narelle Aizlewood.

Events & Upcoming Speakers for our General Meetings 2018

May 26 General Meeting

Wesley Trevor will talk about the Spectrum Nursery on the Gold Coast

Popular Vote Competition

Plants of the Month: Bromeliad Intergenerics, Guzmania & any succulent

June 23 General Meeting

Practical workshops out of four stations:

1. Offsets & propagation
2. Pests & fertilisers
3. Growing in different soils & mediums
4. Mounting Tillandsias

Popular Vote Competition

Plants of the Month: Quesnelia, Tillandsia & any succulent

July 28 General Meeting

Dave Boudier & Kerry Simpson will give a presentation on their trip to Singapore & Gardens by the Bay

Popular Vote Competition

Plants of the Month: Dyckia, Hechtia, Puya & any succulent



August 25 General Meeting

George Stamatis will speak on 'Conservation through Cultivation'

Popular Vote Competition

Plants of the Month: Aechmea, Orthophytum & any succulent

September 22 Annual General Meeting

Nev Ryan will speak on 'Flowering Tillandsias'

Popular Vote Competition

Plants of the Month: Billbergia, Vriesea & any succulent

October 27 General Meeting

Amanda Meads will do a practical demonstration on 'Floral Arrangements using Bromeliads'

Popular Vote Competition Presentation of Awards – NO COMPETITION

Plants of the Month: Canistrum, Neoregelia, Nidularium & any succulent

November 17 & 18 Sales & Judged Competition at Carrara.

November 24 General Meeting

Xmas 'Party on the Green', Colossal Plant Raffle & Society 40th Anniversary Celebration

Popular Vote: NO COMPETITION

Plants of the Month: Any Bromeliad Genus not previously featured & any succulent

December No meeting

Grace Goode

Grace is a well-known Australian bromeliad hybridiser who recently turned 100 years old.

The following email was received from Peter Cook on 24th April. Peter is the Secretary of the Sunshine Coast Bromeliad Society.

'Just a short note to advise that Grace had a fall some weeks ago and as a result broke her arm and jaw. Following a short hospital stay she was placed into a respite centre at Twin Waters where she can receive constant care. Naturally she wants to go home but this is unlikely given her present health condition. Members of the Sunshine Coast Bromeliad Society Inc wish her well.'



The GCSBS also send their best wishes to Grace for a speedy recovery.

Popular Vote Competition

Results February 2018

Bromeliads Open

- 1st Greg Aizlewood with *Billbergia* 'Ken Lee'
- 2nd Greg Aizlewood with *Billbergia* 'Norwell'
- 3rd Greg Aizlewood with *Tillandsia flexuosa*

Bromeliads Novice

- 1st Ruth Dickson with *Vriesea* 'Red Chestnut'

Succulents Open

- 1st Gavin Braden with *Thelocactus bicolor*

Photo right: *Tillandsia fasciculata* hybrid



Results March 2018

Bromeliads Open

- 1st Jennifer Laurie with *Sincoraea hatschbachii*
- 2nd Jennifer Laurie with *Catopsis berteroniana*
- 3rd Barry Kable with *Neoregelia* 'Yang'

Bromeliads Novice

- 1st Nathan Schroeder with *Neoregelia* 'Optimus Prime'
- 2nd Nathan Schroeder with *Neoregelia* 'Scarface'
- 3rd Keryn Simpson & Dave Boudier with *Billbergia* hybrid
- 3rd Keryn Simpson & Dave Boudier with *Neoregelia* 'Bob's Baby'

Photo right: *Astrophytum capricorne* v. *senilis*



Succulents Open

- 1st Peter Wright with *Mammillaria crest* 'Brain'
- 2nd Peter Wright with *Haworthia limifolia* variegata (spiral form)
- 3rd Barbara McCune with *Lithops hookeri*

Succulents Novice

- 1st Dave Boudier & Keryn Simpson with *Euphorbia variegata*
- 2nd Dave Boudier & Keryn Simpson with *Rhipsalis grandis*

Photo right: *Cryptanthus* 'Cosmic Storm'



Decorative Container

1st Barbara McCune with Living Stones Garden

Results April 2018 Bromeliads Open

Bromeliads Open

1st Greg & Narelle Aizlewood with *Tillandsia fasciculata* hybrid

2nd True Grant with *Cryptanthus* 'Cosmic Storm'

3rd True Grant with *Vriesea* 'Pink Eruption'

Photo right: *Vriesea* 'Snowday'

Bromeliads Novice

1st Graeme Synold with *Vriesea* 'Snowday'

2nd Dave Boudier & Keryn Simpson with *Vriesea* 'Ro Ro'

3rd Dave Boudier & Keryn Simpson with *Aechmea* 'Fantasma'

Succulents Open

1st Peter Wright with *Astrophytum hekirian x nuda*

2nd Peter Wright with *Mammillaria candida*

3rd Ian Cairns with *Mammillaria elongata Rubra*

Succulents Novice

1st David Schubert with *Crassula capitella* 'Campfire'

2nd Dave Boudier & Keryn Simpson with *Agave filifera*

3rd Dave Boudier & Keryn Simpson with *Agave parryi*

Decorative Container

1st Ruth Dickson with 'Bicycle'

Photo right middle: *Mammillaria elongata Rubra*

Photo right bottom: *Mammillaria candida*





Photos above: Peter, Leanne & Nathan Schroeder helping out at the Easter Sunday Sausage Sizzle held to raise money for the Golden Brooms Conference. Thank you ++ for your help.

Annual Bromeliad Quiz

Our annual Bromeliad Quiz was held at the General Meeting held on 28th April.

A huge thank you to Jen Burrows who has organized this quiz for many years.

Much fun was had by all & congratulations go to the winner, Natasha Musch.

Photo: Jen on the left & Natasha on the right.



Alcantarea patriae

Species *Alcantarea* discovered in Brazil.

At the General Meeting in April, Narelle Aizlewood did a demonstration on how to remove the adventitious and vegetative offsets from Plant of the Month *Alcantarea patriae*.

There is an article in the Bromeliad Society of Queensland Bromeliaceae, July/August 2009, pages 13 – 18, written by Bob Smythe, titled “Exciting Rare *Alcantareas* Found Growing in Brisbane” with input into this article also from Elton Leme of Brazil.

This article is worthwhile reading if you are interested in the history of this *Alcantarea*.

Photo courtesy of the BCR



Alcantarea patriae
photo by L Versieux

Important Notice re Plant Sales at General Meetings

As has always been advertised, plant sales at the general meetings of the GCSBS begin at 12 noon.

The only members entitled to purchase plants prior to 12 noon are society members who fulfil a vital working role at the General Meetings i.e. Raffle, Library, Popular Vote, Kitchen Convenor, Members of the Sales Team, President, Vice President, Secretary, Treasurer, Member Services Officer, Meeters & Greeters, Box Makers & others.

Members purchasing plants prior to doors opening at 12 noon, please pay for your plants at the registers & place them in the plant minding area for safe keeping.

There should be no plants taken from the sales tables & placed under other sellers' tables for payment at a more convenient time.

All purchases are to be made prior to 12 o'clock doors opening to the general public & other members.

I recall many past presidents also enforcing this. If a member of the society is entering the hall to simply place their plants on the table for sales & has no other role to fulfil, please vacate the hall & wait for the doors to open at 12.

This would be appreciated by the management team of the GCSBS & prevents us the embarrassment of having to ask you to leave.

Thank you,
Narelle

Changes to the *Cryptanthus* & *Lapanthus* Genera

Bromelioideae Subfamily

Below are recent *Cryptanthoid* changes due to Leme et al in *Phytotaxa* 318(1): 001-088. 2017

There are 3 new genera – *Forzzaea*, *Hoplocryptanthus*, *Rokautskyia*

The most commonly grown *Cryptanthus* in Australia which have changed genus are:

- *Cryptanthus leopoldo-horstii* now *Forzzaea leopoldo-horstii*
- *Cryptanthus warasii* now *Forzzaea warasii*

Cryptanthus acaulis (Lindley) Beer
ruber Beer

Cryptanthus alagoanus Leme & J.A. Siqueira

Cryptanthus aracruzensis Leme & Kollmann now *Rokautskyia*

Cryptanthus arelii H. Luther

Cryptanthus argyrophyllus Leme

Cryptanthus bahianus L.B.Sm.

Cryptanthus beuckeri E. Morren

Cryptanthus bibarrensensis Leme

Cryptanthus bivittatus (Hook.) Regel

atropurpureus Mez

Cryptanthus boanovensensis Leme

Cryptanthus brevifolius Leme

Cryptanthus bromelioides Otto & A. Dietr.

Cryptanthus burlemarxii Leme

Cryptanthus capitatus Leme

Cryptanthus capitellatus Leme & L. Kollmann

Cryptanthus caracensis Leme & Gross now *Hoplocryptanthus*

Cryptanthus caulescens I Ramirez now *Rokautskyia*

Cryptanthus colnagoi Rauh & Leme

Cryptanthus coriaceus Leme

Cryptanthus correia-araujoii Leme

Cryptanthus crassifolius Leme

Cryptanthus delicatus Leme

Cryptanthus diamantinensis Leme

Cryptanthus diana Leme

Cryptanthus dorothyae Leme

Cryptanthus exaltatus Luther now *Rokautskyia exaltata*

Cryptanthus felixii J.A. Siqueira & Leme

Cryptanthus fernseeoides Leme now ***Rokautskyia***
Cryptanthus ferrarius Leme & Paula now ***Hoplocryptanthus***
Cryptanthus giganteus Leme & A.P Fontana
Cryptanthus glaziovii Mez now ***Hoplocryptanthus***
Cryptanthus grazielae H. Luther
Cryptanthus ilhanus Leme
Cryptanthus incrassatus L.B.Sm.
Cryptanthus lacerdae Antoine
Cryptanthus latifolius Leme now ***Rokautskyia latifolia***
Cryptanthus lavrasensis Leme now ***Hoplocryptanthus***
Cryptanthus leopoldo-horstii Rauh now ***Forzzaea***
Cryptanthus leuzingeriae Leme now ***Rokautskyia***
Cryptanthus lutherianus I. Ramirez
Cryptanthus lymansmithii Leme
Cryptanthus marginatus L.B.Sm.
Cryptanthus maritimus L.B.Sm.
Cryptanthus microglazioui I Ramirez now ***Rokautskyia***
Cryptanthus micrus Lousada, Wand. & Versieux now ***Forzzaea micra***
Cryptanthus minarum L.B.Sm.
Cryptanthus odoratissimus Leme now ***Rokautskyia odoratissima***
Cryptanthus osiris W. Weber
Cryptanthus pickelii L.B.Sm.
Cryptanthus praetextus E. Morren ex Baker
Cryptanthus pseudoglaziovii Leme now ***Rokautskyia pseudoglazioui***
Cryptanthus pseudopetiolaris Philcox
Cryptanthus pseudoscaposus L B Sm. Now ***Rokautskyia pseudoscaposa***
Cryptanthus reisii Leme
Cryptanthus regius Leme now ***Hoplocryptanthus***
Cryptanthus reptans Leme & J.A. Siqueira
Cryptanthus rigidifolius Leme
Cryptanthus roberto-kautskyi Leme now ***Rokautskyia***
Cryptanthus robsonianus Leme
Cryptanthus ruthae Philcox
Cryptanthus sanctaluciaae Leme & Kollmann now ***Rokautskyia***
Cryptanthus scaposus E Pereira now ***Rokautskyia scaposa***
Cryptanthus schwackeanus Mez now ***Hoplocryptanthus***
Cryptanthus seidelianus W. Weber
Cryptanthus sergipensis I. Ramirez
Cryptanthus sinuosus L.B.Sm.
Cryptanthus tabuleiricola Leme & L. Kollmann
Cryptanthus teretifolius Leme
Cryptanthus tiradentesensis Leme now ***Hoplocryptanthus***
Cryptanthus ubairensis I.Ramirez
Cryptanthus venecianus Leme & L.Kollmann
Cryptanthus vexatus Leme
Cryptanthus viridipetalus Leme & L. Kollmann
Cryptanthus viridovinosus Leme
Cryptanthus walkerianus Leme & L. Kollmann
Cryptanthus warasii Pereira now ***Forzzaea***
Cryptanthus warrenloosei Leme
Cryptanthus whitmanii Leme now ***Rokautskyia***
Cryptanthus zonatus (Vis) Beer
Lapanthus vidaliorum (OBC Ribeiro & Paula) Louzada & Wand now ***Hoplocryptanthus***



Forzzaea warasii



Forzzaea leopoldo-horstii

Bigeneric Bromeliads – Part 2

Compiled by True Grant

With the recent addition of new genera in the Pitcairnioideae & Bromelioideae subfamilies (due to DNA analysis), there have been losses & additions to the bigeneric group of bromeliads.

- Some bigeneric bromeliads have changed name.
- Some bigeneric bromeliads have become hybrids.
- Some hybrid bromeliads have become bigenerics.

Here are some **examples** of these changes & explanations. The list below is not the complete list of changes involving Bigenerics. A full list was in the May/June 2017 Bromlink. I am happy to email this list to newer members – just contact me on gcsbs.bromlink@gmail.com.

Tillandsioideae Subfamily

xVrieslandsia ‘Pink Magic’ -> ***xBarvriesea*** ‘Pink Magic’. This used to be *Tillandsia laxissima* x *Vriesea* ‘Redondo Beach’. It is now *Barfussia laxissima* x *Vriesea* ‘Redondo Beach’ therefore name change to *Barvriesea*.

xGuzvriesea ‘Mirabilis’ -> ***xGuzlutheria*** ‘Mirabilis’. Previously *Guzmania zahnii* x *Vriesea splendens* is now *Guzmania zahnii* x *Lutheria splendens* thus => *Guzlutheria*

xGuzvriesea ‘Dreamchaser’ -> ***xGuzgoudaea*** ‘Dreamchaser’. Previously *Guzmania (conifera x zahnii)* x *Vriesea ospinae var. gruberi* is now a *Guzmania x Goudaea ospinae v. gruberi* -> *Guzgoudaea*.

xRacindsia ‘La Mano Magica’ -> ***Racinaea*** ‘La Mano Magica’.

Previously *Tillandsia dyeriana* x *Racinaea crispa* is now *Racinaea dyeriana* x *Racinaea crispa* -> *Racinaea*.

Vriesea ‘Carlsbad’ -> ***xLuthandsia*** ‘Carlsbad’. This used to be *Vriesea malzinei* x *Vriesea glutinosa*. It’s now *Tillandsia malzinei* x *Lutheria glutinosa* -> *xLuthandsia*.



Photo above: *xLuthandsia* ‘Carlsbad’

Tillandsia 'Creation' -> **xWallfussia** 'Creation'. Previously *Tillandsia platyrhachis* x *Tillandsia cyanea* is now *Barfussia platyrhachis* x *Wallisia cyanea* -> **xWallfussia** 'Creation'.

Vriesea 'Towering Flame' -> **xVrieslutheria** 'Towering Flame'. It used to be *Vriesea* 'Sanderiana' x *Vriesea glutinosa*. It's now *Vriesea* 'Sanderiana' x *Lutheria glutinosa* -> **xVrieslutheria**.

Bromeliodeae Subfamily

xNeophytum 'Gary Hendrix' -> **xSincoregelia** 'Gary Hendrix'. It was *Neoregelia* 'Princess' x *Orthophytum navioides*. It's now *Neoregelia* 'Princess' x *Sincoraea navioides* -> **xSincoregelia**.

There are 19 registered **xSincoregelia** all of which have changed from **xNeophytum** due to a parent being *Sincoraea navioides*.

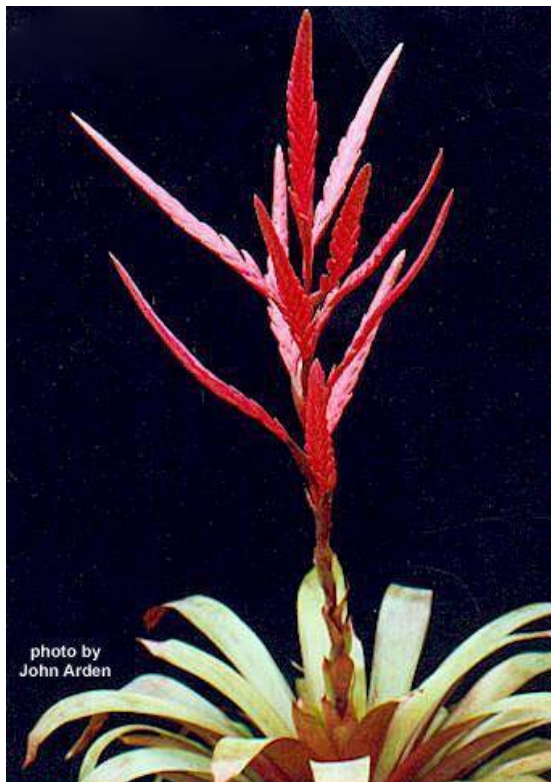


Photo: **xVrieslutheria** 'Towering Flame'

xOrthomea 'Powderpuff' -> **xSincoraechmea** 'Powderpuff'. Previously *Orthophytum navioides* x *Aechmea fasciata* var. *purpurea*. It's now *Sincoraea navioides* x *Aechmea fasciata* v *purpurea* which has been changed to **xSincoraechmea**.

Orthophytum 'Blaze' -> **xSincorphytum** 'Blaze'. It was *Orthophytum vagans* x *Orthophytum navioides*. It's now *Orthophytum vagans* x *Sincoraea navioides* -> **xSincorphytum**.

There is a new bigeneric name listed on the Bromeliad Cultivar Register related to the new genus *Forzzaea* which is

xForzzanthus = *Forzzaea* x *Cryptanthus*. There are no bigenerics listed yet but this name change would involve any *Cryptanthus* hybrids with parents *Forzzaea leopoldii-horstii* or *Forzzaea warasii* (formerly *Cryptanthus*).



Photo right: **xSincorphytum** 'Blaze'

Cultural Notes – *Kalanchoe*

Terry Tierney

Kalanchoe is a genus in the plant family Crassulaceae. The genus was first described by Adanson in 1763 with the genus name being based on the Chinese ‘Kalan Chauhuy’ with the meaning “that which falls and grows” referring to the bulbils produced in some species.

There are about 150 species most of which originate from Madagascar (60) and eastern and southern Africa (56), with a few found in Arabia and south-east Asia. They are mainly perennial, terrestrial succulent shrublets to shrubs less than a metre tall, although *K. arborescens* and *K. dinklagei* can reach 8-10 metres.



Kalanchoe dinklagei showing on the left a plant with juvenile leaf form and a much older leaf form on the right having almost no leaf incisions remaining.

The root system is usually fibrous with fleshy stems and succulent leaves. *K. arborescens* and *K. dinklagei* also exhibit an interesting polymorphism of the leaves. The first leaves of young plants, basal off-sets of older plants or of cuttings are long and incised (and quite attractive) while later leaves are spatulate with an entire margin.

Photo below: *Kalanchoe tomentosa*



Kalanchoe are widely grown as ornamental house plants or in rock or succulent gardens. They are very easy in cultivation and propagate readily from stem and leaf cuttings. They generally have a low water requirement and require full sun to very bright light if they are to retain a compact growth form and exhibit their best colouring. They require at least six hours of sunshine per day if they are to flower at their best.



***Kalanchoe tomentosa* cv. Chocolate Soldier**

The number of species commonly found in cultivation is fairly limited. *Kalanchoe blossfeldiana*, introduced into cultivation around 1930, is one that has been subjected to fairly extensive commercial hybridisation to produce a wide range of flower colours on short, compact, prolifically flowering plants. *K. tomentosa* is widely grown and is available in a number of different cultivars and forms as is *K. beharensis*. *K. synsepala* is available in a number of different forms with different leaf shapes and is the only Kalanchoe that spreads by rhizomes.

Photo below: *Kalanchoe humilis*



A number of species such as *K. rhombopilosa* and *K. bracteata* have very loosely attached leaves which poses problems when either moving or repotting the plants. Unless done with extreme care, a once attractive plant finishes up as an unappealing bare stem/s.

Kalanchoe are hardy & generally don't suffer too many pest or disease problems. The common pests like mealy bug, scale & mites are seen occasionally and house plants with poor air circulation can be at risk of powdery mildew attack. This latter can be minimised by not wetting the leaves when watering. *K. humilis* is particularly susceptible to mealy bug infestation.

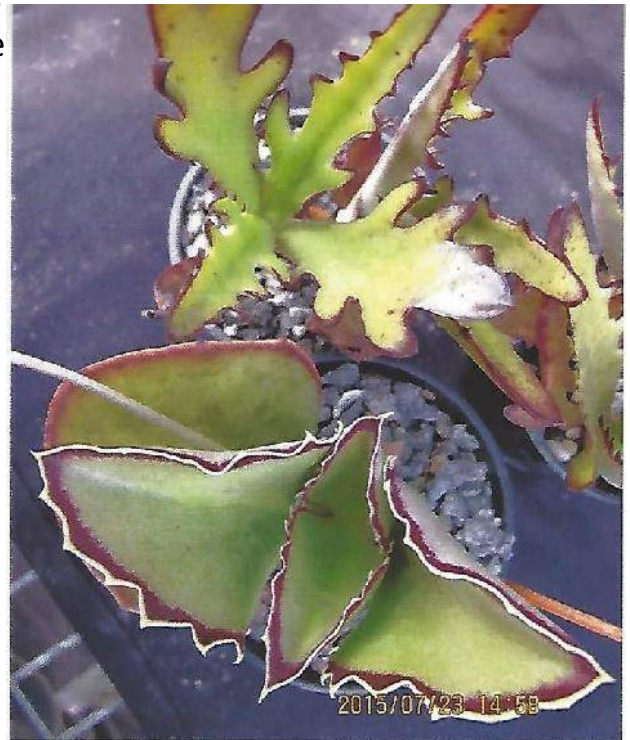


Photo right: *Kalanchoe synsepala* showing two different leaf forms

It should also be remembered that like other genera of the Crassulaceae (*Tylecodon*, *Cotyledon* and *Adromischus*), Kalanchoe are toxic to animals as they contain a number of different cardiac glycosides. In Kalanchoe these glycosides are at much higher levels in the flowers than in other parts of the plant. *K. daigremontiana*, *K. pinnata*, *K. prolifera* and *K. tubiflora* are the species that have been associated with toxicity & deaths in cattle in Australia. Death without symptoms can occur as suddenly as 30 minutes to one day after ingestion, depending on the dose.



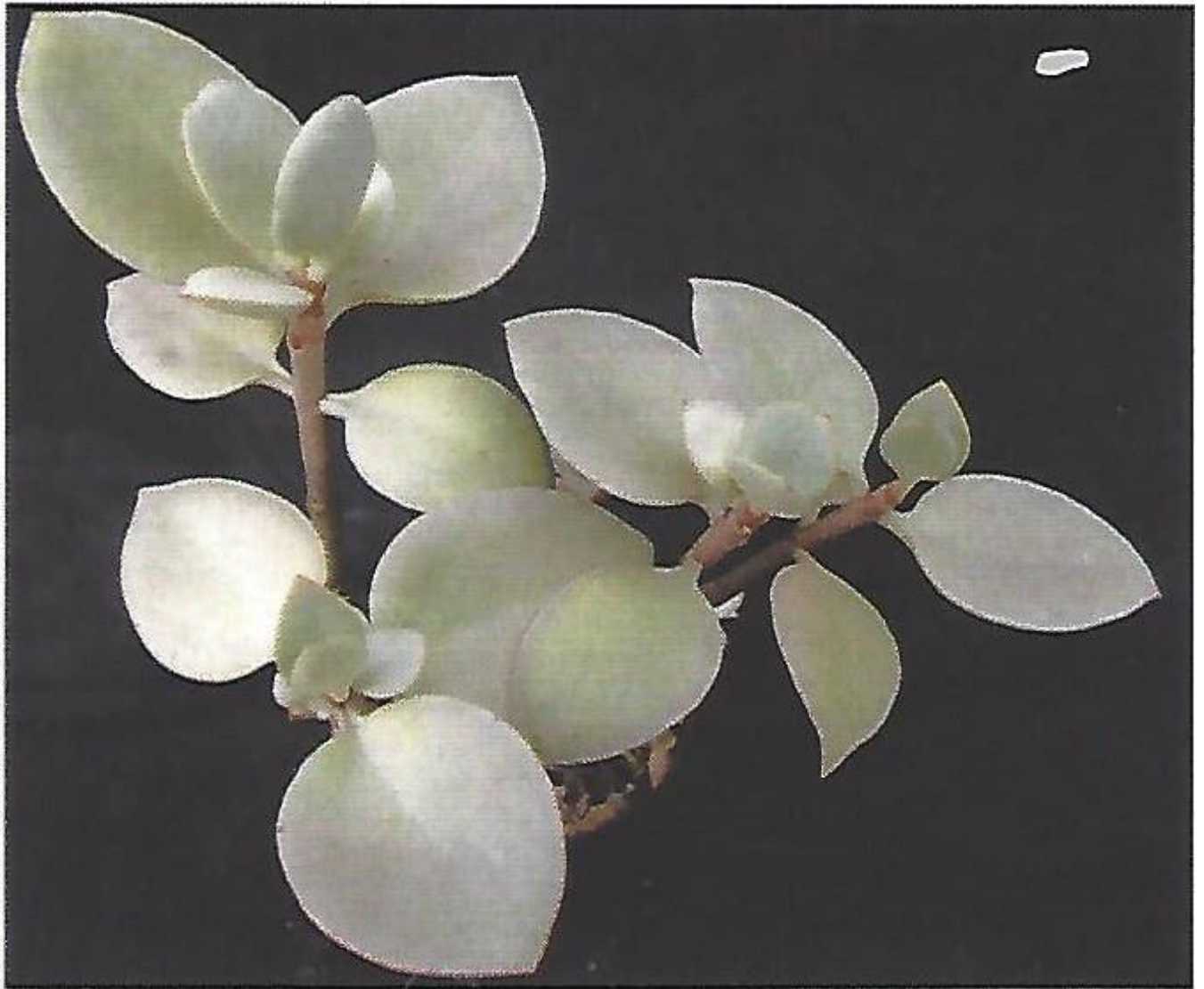
Photo left: *Kalanchoe uniflora*

Photo bottom right: *Kalanchoe bracteata* with developing plantlet from a leaf cutting

Photo bottom left: *Kalanchoe synsepala*

showing the flower & the tip of a rhizome with a developing plantlet





Kalanchoe bracteata

Editor's Notes

The above article on Kalanchoe is reprinted from the Cactus and Succulent Society of Queensland Inc. Newsletter Diteranthus, Vol 29, Part 3, August 2017. I am very grateful for their kind permission to include this article in our newsletter.

Many thanks to Kaz Watanabe for your photos of the April Popular Vote Competition, one of which I've used for the front cover feature.

Thanks also to Nathan Schroeder for your Sausage Sizzle photos.

I will be away from 19th May to 1st July & will respond to any emails when back home.

UPCOMING SHOPPING CENTRE DISPLAY & SALES EVENTS

- **Southport Park** May 10, 11, & 12
- **Mudgeeraba Market** May 16 & 17
- **Helensvale Plaza** June 21 & 22
- **Southport Park** July 12, 13 & 14
- **Mudgeeraba Market** August 22 & 23
- **Springwood Mall Shopping Centre** October 25 & 26
- **Mudgeeraba Market** November 28 & 29

Members with 3 or more months' membership can add their name to the list of sellers for any of the above venues and dates. This register (Event Bookings) is available at the Member Services Desk at each monthly general meeting. Of course there are certain guidelines to be followed when representing us at these venues. For more information please contact Narelle Aizlewood.



We welcome new members Stephanie Roberts & Glenn Wilkinson

The aims of the society are:

(A) To stimulate interest in the conservation, and to promote the culture and development of succulents and bromeliads.

(B) To acquire and disseminate information regarding these plants and to encourage their production and propagation.

(C) To ban totally from our collection any such plants which become noxious.

(D) To enlighten members and the public on the dangers of cultivating certain noxious species.

(E) To give exhibitions, arrange field days, and other events, and to make such publications as are deemed desirable.

(F) To associate, affiliate or otherwise join or connect ourselves with similar bodies or societies.

(G) To make seeds and plants available to members under the control of the Society.

(H) To foster family membership and members.