

TOWNSVILLE ORCHID SOCIETY INC.



July 2016 Bulletin

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Annual Membership Fees are due **1st September** each year
 Family \$20.00 Pensioner Family \$10.00
 Single \$15.00 Pensioner Single/Junior \$7.50
 Country Family: \$10.00
 Details for paying membership fees: BSB:- 064823
 Account Number:- 0009 0973
 Name of Account: Townsville Orchid Society Inc.
 Commonwealth Bank, Aitkenvale
 Are you currently un-financial? To remain a member of the Townsville Orchid Society Inc. and to continue to receive the *TOS Bulletin* you need to pay your annual membership

Alis Siarni	25 July
John Delroy	28 July
John Rutledge	31 July
Diane Lau	1 August
Linda Daveson	3 August
Robert Rasmussen	4 August
Keith Chambers	5 August

Happy Birthday!

Wal Nicholson	7 August
Cassandra Callister	8 August
David Vaughan	12 August
Grant Christophers	16 August
Joan MacIntyre	17 August
Aidan Skinner	18 August
Clara Sewell	19 August
Karen Donnell	28 August

VETERAN.....
OPEN/NOVICE/SPECIES.....

Judges for July
 A HUGHES..... A KNOWLES..... M.BLOOM
 E BOON..... C. TRUSCOTT... P. LUCKE

REGISTRARS CHOICE



HYBRID: Den Seleya Blue Lips x Den Isabel Zhong-Yaa Cho
 82 points M Sanim



SPECIES:: Paphiopedilum lowii
 80 points C & H Osborne



NOVICE: V. Robert's Delight
80 points T & S Ruxton



SPECIMEN: C [Lc] Orglades Grand
B Figuera

Minutes Of The General Meeting Held On The 26th June 2016 In The Society Hall, Joe Kirwan Park

Attendance And Apologies..... As per attendance book

MEETING Commenced at 1.07 pm

Prior to the commencement Jean offered apologies for not acting as secretary as Wal had been taken to hospital, as a result Stacy Cairns agreed to take the minutes of the meeting. Thanks Stacy for stepping in and your assistance is appreciated.

Minutes... Minutes of the previous meeting were accepted as correct on the motion of Tina Phillips, 2nd Karen Donald. Carried

Business Arising From Minutes... President apologized for the use of terminology of the Basket Ball Stadium, it was pointed out it was the RSL Stadium and not the Tony Ireland Stadium. Welcome to all visitors although names had not been tended, only Peter Horsfall was welcomed as he had submitted an application to join the society, this was accepted instead of going through committee. Peter will start off in the Novice Section. Warren was able later on to welcome those unnamed visitors, we hope they enjoyed the afternoon and were able to glean some orchid information.

New Members also included... Ron and Rose Rapson... Zachary Skipp... Melina Borham... Lawrence and Colette Piva, Lawrence and Collette have been previous members and have rejoined... Ron, Rose, Zachary and Melina will compete in Novice Section, while Lawrence and Collette will compete in Open section... Welcome to you all, Nikki Bowler was also finally welcomed into the Club. May you all enjoy your sojourn with us and you are able to learn about the plants we all cherish.

Treasurers Report Treasurer Terry gave a short resume of the Societies funds... full report on the notice board for all to read. Terry moved his report be accepted and 2nd by Fred Parker Carried

General Business... Members were advised the office/library and store room had had a good clean out, library books (magazines) prior to 2010 were deleted, packaged and placed on tables along with other items for members to take, the balance was to be recycled.

Two interesting articles were recovered from one of the magazines and are on the notice board for all to read.

Christmas in July.... at this stage there are 50+ members attending this dinner meeting in July. Cost to members would be \$15 and \$30 for non members.

Those wishing for something stronger to drink, please provide your own. The normal Newcomers Group will be held with Warren in charge as usual. The normal display of tabled plants will be held and judged. Business will be kept to a bare minimum. A competition will also take place with assistance from Jeff and Alison... so pencils and papers please.

Winter show....15th to 17th July... Members asked to start preparing their plants for this show. Place unruly plants into more stable pots, clean plants and pots please. The repotting demonstrations would again take place... Sale tables would be required for G. Kelly and K Otto. Show roster was again passed around for names of members willing to help with show duties
TQOC Conference 2017 As this is the premium event on the TOS Calendar, no winter Show will be held next year.

Members were advised this will be the 52nd TQOC inc. Conference and Show held since TQOC inc. was formed and maybe the last to be held each year, future Conferences may go to every two (2) years. Our Club will also be celebrating its 70th anniversary in June 2017 which will be included with this Conference. The RSL Stadium at Murray has been booked for this event and will hold all facets of the Conference, show, lectures sale of plants Conference dinner and closing barbeque and plant auction.

The Photographic Society and Arts Group have been issued an invitation to display photographs and paintings with an artist showing the art of painting throughout the Conference.

Motels along Bowen Road have been advised of this event and cost of rooms etc have been received to go into the Conference registration forms. Discussions have been held with the Townsville City Council concerning support for this event, this has been favourably received, application forms are to be submitted.

The Committee will act as the organising body and not several small committees. Members willing to assist will be required and appreciated as the time draws nearer. It would also be appreciated if members would register for the conference, it is a lot of fun and one gains a lot of knowledge from them along with new friends.

Newcomers Group was asked to consider entering a combined display, either floor or table. Some thought will be given to day registrants who would partake of most events except they will NOT be allowed to enter plants for judging unless they register. (Rule of TQOC Only registrants can enter plants for competition).

Charcoal/Bark... cost of obtaining these items will be \$41 Charcoal and \$31 for Bark. We already have a stock of bark from S. Australia and while this is a good product it has to be thoroughly washed. With charcoal it was thought the 10-15 mil size would be sufficient. Those members interested were asked to put their names down at the shop desk

An Award of Merit certificate for Carl & Hunter Osborne has finally be received and presented, this was for an awarded Phalaenopsis given October 2015.

President spoke on tabled plants with meeting closing at 2.04 pm and meeting then handed to Warren for the Newcomers Group. .

Apologies for the meeting being so long but there was information members needed to know, I thank you for your patience.

FIELD DAY 9TH. OCTOBER.....

This event is only a few months away, that won't take long to go and it will suddenly be on us. We will be looking for bush houses to visit. If you decide to open your bush house so visitors can see how you grow your plants, now is the time to start and get your b/house into shape, clear leaves and rubbish away and generally tidy things up. If you would like to open your place, please advise and we will list your name. Depending on the situation I am considering opening my place for the 1st time in 30 odd years... anyone else like to join me? Let us know.

Presidents Report

By the time you read this, our Winter show will be but a memory. I trust you have had winners, thank you for your assistance it is always greatly appreciated.

Our next function will be the Dinner meeting, please be early from 11am for a 12.30 lunch, business will be kept to a minimum and during the afternoon there will be a fun contest worked out by Jeff and Alison.

If any member is willing to assist remember we are in desperate need of a secretary. It is not possible for Jean to carry on as it is necessary to care for Wal, We either have a new secretary or minutes may not get published on time.. Wendy has declined to act as secretary and is prepared to carry on as Asst/Secretary.

SOOO... if anyone is willing to assist please see me, or one of the committee members.

I received exciting news from the Arts group last week. The members will put on an exhibit of Orchid paintings at the conference. They will supply all the necessary articles, stands etc. and they will also supply an artist to paint each day during the conference

I am still waiting to hear from the Photographic Society.

Could I ask a favour of members please, I have indicated to the Arts group that if anyone needed some information on orchid flowers and are in need to either photograph, or sketch a bloom, members would be willing to assist. I will keep you informed.

I trust you all enjoy the July dinner meeting, remember please bring in your plants,

Ted

Novice/New Growers Report

It was great to see so many members and visitors in attendance at our last meeting held on the 26th June at the Townsville Orchid Society Inc. Hall, Charles Street, Kirwan. We always appreciate your friendship and support we do receive from our members attending these meetings on a regular basis. We hope that all the 77 people that attended the afternoon's proceeding went home with a little bit more knowledge and information on how to stake and present their plants for judging at our next Winter Show. A general discussion took place on this topic with many questions asked and answers given. Jeffrey presented a power point programme to illustrate this subject and also advised us all to check out the Society Schedule Rules relating to this matter prior to the Show. As our Winter Show will be over before you receive your next Bulletin, I would like to congratulate all the members who entered plants, helped out on the show roster, in the kitchen preparing the sandwiches for the lunches and serving our morning and afternoon teas. Also thank you to the members who participated in the setting up and dismantling of the fixtures for our Winter Show.

To all our members who are not enjoying the best of health at the present time, especially Wal, Ray, Keith and Olive who are all battling along tenuously at the present moment, we can only hope and pray that there will be better days ahead for them all. Once again we have to thank everybody for your support towards the delicious afternoon tea table and your generous donation of Gifts (prizes) for the Multi Raffle table and for purchasing of raffle Tickets.

Don't forget the Christmas in July luncheon will be held on the 24th July in conjunction with our normal monthly meetings.

Warren

Brief Shop News

If everything goes smoothly the charcoal and New Zealand bark will already be here by the time you read this *Bulletin*. If you put your name down for either, or both, then your name will be on the bag so that you can have first "dibs" at it. As the July meeting will be a *Christmas in July* party the Townsville Orchid Society's members' shop will not be fully operating. Only the bags of South Australian bark, charcoal and New Zealand bark will be available for payment and pickup.

Jeff

I have just received this from the Townsville Council asking if we would support an event at Riverway on the 13th and 14th August to celebrate the Riverway Precinct.

A small display depicting what our Society is all about would be appreciated. As we are hoping the Council will assist us I think we should attend.

Saturday 13th 1pm to 6 pm and 14th Sunday from 10am to 3 pm. More details will be available at the next meeting. A Bunnings ladies night is also coming up at the Fairfield Waters store.. again more details at the July meeting.

Ted

Judging Results.... June Meeting 2016

VETERANS

Paphiopedilum Hybrids

1st Paph Oklahoma

F & D Marnock

Cattleya

Exhibition to 115 mm

1st. **Rlc Nakhon Chaisri Pink Delight (Rlc Haadyai Delight x Rlc Lucky Strike)**

B Fighera

2nd C [Lc] Orglands Grand

B Fighera

3rd Rlc[Blc] Chyong Guu Chaffinch

B Fighera

Cattleya

Exhibition 75 to 114m

1st Rth [Pot] Orglades Tradition

J & A Knowles

2nd Rth [Pot] Shin Shiang Diamond

W & C Sewell

Cattleya

Cluster

1st. Ctt[Slc] Merinda Lust

B Fighera

2nd Gct Cluster Bomb

W & C Sewell

Cattleya

Miscellaneous Hybrids

1st **Sergioara (Sgr) Yoshosuka Story (Epi Rene Marquis x Rth Free Spirit)**

T & D Hobden

2nd Bc [Bl] Yellow Bird

J & A Knowles

Cattleya

Broughtonia Influence

1st Ttna (Tetratonia) Dark Prince

N & M Grant

2nd Ttna Dark Prince

N & M Grant

Phalaenopsis

Exhibition

1st Phal Yu Pia Sweety

F & D Marnock

2nd Phal Ruey Lih Queen

J & A Knowles

Oncidiums

Tolumnia

1st Tolu Robsan x (Mem Ralph Yagi x Puck)

N & M Grant

2nd Tolu William Thurston

N & M Grant

3rd Tolu Capalaba Sun

N & M Grant

Oncidium

Miscellaneous

1st. Onc Sharry Baby

F & D Marnock

Vanda

Exhibition over 65mm

1st V Kaisems Delight

N & M Grant

2nd V Rothschildiana

N & M Grant

3rd V Golamco's Blue Magic

F & D Marnock

Vandachostylis

1ST Van Pine Rivers

N & M Grant

2nd Van Colmarie

N & M Grant

3rd Van Alice's Anie

N & M Grant

Australian Native Hybrid

1st Den Gloucester Sands

F & D Marnock

NEW NAMES... Please change labels where necessary

Rlc Nakhon Chaisri Pink Delight (Rlc Haadyai Delight x Rlc Lucky Strike)

Sergioara (Sgr) Yoshosuka Story (Epi Rene Marquis x Rth Free spirit)

OPEN SECTION

Cattleya

115mm and over

1st Rlc[Blc] Blanche Aisaka

2nd C[Lc] Canhamiana

3rd **Rlc digbyano-mossiae** [Bc] digbyana x C mossiae

R & E Dundas
Cairns Family
P & M Cooper

Cattleya

Exhibition to 114mm

1st Lc Tsiku Camellia

2nd Rlc [Pot] Shin Shiang Diamond

R & E Dundas
Cairns Family

Dendrobium

Miscellaneous

1st **Den Megan's Charm** (Den johannis x bigibbum)

2nd Den Jade Valmadre

3rd Den Sonia Bon Jo Song (**can find no reference to this name**)

R & E Dundas
R & E Dundas
R & E Dundas

Dendrobium

Spathulata

1st (Den Anching Lubang x Den discolor) x Den canaliculatum

2nd Den **Seletar** Blue Lips x Den Isabel Zhong-Yaa Choo (**Note Yaa Choo two words**)

3rd Den tangerinum x Den syloanum (**unknown can find no reference**)

Mutch

B BM Sanim
M Sanim
C Berzinski/L

Phalaenopsis

Miscellaneous

1st Phal Hsinying Sonata

2nd **Phal Memoria Jorja Lyn** (Phal Island Star x Phal Hsinying Maki)

P & M Cooper
N Hardwick

Vanda

Exhibition 65 mm and over

1st V [Ascda] Kulwadee Fragrance

2nd V Rasri Gold

3rd V Pachara Delight

Cairns Family
Cairns Family
Cairns Family

New Names Please Change Labels Where Necessary

Rlc digbyano-mossiae (Rl digbyana x C mossiae)

Den Megan's Charm (Den johannis x bigibbum)

Phal Memoria Jorja Lyn (Phal Island Star x Phal Hsinying Maki)

ALTERATION Den Seletar NOT Selection

NOVICE SECTION

Cattleya

Miscellaneous

1st Rth [Pot] Shin Shiang Diamond

2nd **Williamcookara (Wlc) Tropical Snowflake** (Ctna Keith Roth x Dial Snowflake)

3rd Rly Hwa Yuan Bay

R Whiting
R Whiting
A Hardy

Dendrobium

Phalaenanthe

1st Den Pink Eyes

2nd Den Candy Cane

3rd Den Candy Cane

R Whiting
K & B Donnell
A Hardy

DENDROBIUM

Spathulata

1st Den unknown

2nd **Den Alice's Roberto**(Den Anching Lubang x Den cochlioidies) x Den canaliculatum

A Hardy
T & S Ruxton

Any Other Genera

1st V Roberts Delight

2nd Calanthe William Murray

3rd Bulb lasiochilum (Wrong area Should have been in Species)

T & S Ruxton
A Hardy
Aiden Skinner

NEW NAMES Please alter labels where necessary

Williamcookara Tropical Snowflake (Ctna Keith Roth x Dial Snowflake)

Den Alice's Roberto (Den Anching Lubang x Den cochlioidies)

Species

Cattleya

1st Cat percivaliana

2nd Rl digbyana

N & M Grant
W & C Sewell

Cattleya Alliance

1st Epi imantophyllum

N & M Grant

2nd L rubescens			N & M Grant
<u>PAPHIOPEDILUM</u>			
1st. Paph lowii			C & H Osborne
<u>VANDACEOUS</u>			
1st Trgl philippinense			M Bloom
2nd V falcata			N & M Grant
3rd Trgl wenzelli			N & M Grant
<u>Bulbophyllum</u>			
1ST Bulb treschii			J & A Knowles
2nd Bulb makoyanum			M Bloom
3rd Bulb rufinum			M Bloom
<u>Any Other Genera</u>			
1st Liparis viridiflora			J & A Knowles
2nd Liparis viridiflora			W & J Nicholson
<u>Australian Native Species</u>			
<u>Dendrobium</u>			
1st Den bowmanii			M Bloom
2nd Den mortii			N & M Grant
3rd Den bigibbum			C Berzinski/ L
Mutch			
<u>Registrars Choice</u>			
HYBRID Den Seleya Blue Lips x Den Isabel Zhong-Yaa Cho	82 points		M Sanim
SPECIES Paphiopedilum lowii	80 points		C & H Osborne
SPECIMEN C [Lc] Orglades Grand			B Figuera
NOVICE V Robert's Delight	80 points		T & S Ruxton
<u>First Flowering</u>			
1st C [Pot] Caudebec x Rth Shingfong Little Love			C Berzinski/ L
Mutch			
2nd C [Lc] Maris' Song x Rlc [Blc] California Girl			C Berzinski / L
Mutch			
3rd Den Gloucester Sands			Lucy Joynson
<u>Popular Vote Veterans</u>			
1st C [Lc] Orglades Grand			B Figuera
2nd Onc Sharry Baby			F & D Marnock
3rd Phal Yu Pia Sweety			F & D Marnock
<u>Open</u>			
1st Den Megan's Charm			R & E Dundas
2nd Rlc [Blc] Blanche Aisaka			R & E Dundas
3rd Phal unknown			P & M Cooper
<u>Novice</u>			
1st C [Lc] Melody Fair			T & S Ruxton
2nd Rth [Pot] Shing Shiang Diamond			R Whiting
3rd V Roberts Delight			T & S Ruxton
<u>Species</u>			
1st RI [C] digbyana			W & C Sewell
2nd Bulbophyllum treschii			J & A Knowles
3rd Paph lowii			C & H Osborne



Staking Orchids 101

By Jeff Knowles

Orchid growers everywhere spend time staking many of their orchids. Some plants and flowers require considerable help, while others require no help at all as they present themselves in all their glory.

We must first ask ourselves, "Why stake?" In my opinion there are three main reasons.

1. To protect the orchid plant and/or flowers from mechanical and water weight damage. Mechanical damage can occur simply by brushing against that nice inflorescence as you walk past. Had the inflorescence been secured to a stake of some description, then the chances are that damage would be avoided. Mechanical damage is of major concern when many orchids are stuffed into the car and transported, often over considerable distances, to shows. A lack of protection often results in flowers being broken off. Any orchids that have long inflorescences are at danger of breaking due to the weight of water on the flowers (not that any knowledgeable orchid



Oops! - A Phalaenopsis spike that needed protection with some staking

grower would allow water or rain to get onto their lovely blooms, would they?). Supporting these can prevent this damage.

2. We often stake to train the orchid to grow in a manner that we would like it

to.

3. Most importantly orchids are staked so that the flowers look

good. We want those beautiful blooms to be clearly seen and not hidden amongst the leaves, to be separated so they can all be clearly seen and we want them to look us in the eye or present in a massed, yet organised fashion. The importance of staking increases as the strength of the inflorescence decreases.



A phalaenopsis spike heading horizontally. It needs staking soon!

Once you have made the decision to stake your orchid then you need to consider the best time to do this. As orchid plants, flowers and inflorescences grow and mature they tend to harden up and become pretty much fixed in position so that staking must be done sooner rather than later



Psychopsis papilio inflorescence heading for the sky (needs staking?)

because at this time the plant tissue is softer and can be put into a new shape more easily - without breaking.

But how do you stake, and what materials are best to use? Well the simple answer to this is, "There are as many different approaches there are orchid growers". Your best bet is to check out the plants, especially those that win prizes at orchid shows, and see how others do it. Popular stakes include wire, often plastic covered, aluminium wire and bamboo sticks, with green clips or pieces of thinner wire being used to attach the plant or inflorescence to the stake. Many growers also attach their stakes to the pot, while many others do not. Remember that it is always safer to bend over all exposed wire ends to lessen the chances of damaging one's eyes while taking a very close look. It is more important when reusing bamboo, and other wooden stakes, that they be sterilised.



Paph. Mount Toro 'Shih Yueh #8' at TIOS 2016 showing upright wire stake with five clips.

as

your
a
that



Ric. Pink Empress 'Ri Cheng' at TIOS 2016 showing effective staking ensuring bulbs and flowers are upright and clearly displayed.

If you decide to take nicely staked orchids to show, it is imperative you make yourself familiar with the staking rules applicable to that particular show as

different orchid shows often have their own, different, staking rules. Earlier this year at the Taiwan the Taiwan International Orchid Show staking rules included, "14. While judging, the ovary of flower can't support by any sticks. The support of flower stem of multiflora type plants can't exceed the second flower on natural curved place of the main pedicle" and in Bangkok at the Asia Pacific Orchid Conference they stated, "Log stem Phalaenopsis: 3 points are allowed. The 1st point must be below the base of 1st pedicel", and the list goes on. Here at the

Townsville Orchid Society our show staking rule simply says, "(j). Staking and tying to support the inflorescences will be permitted as per A.O.C. Guidelines for Judges". By all means maintain your staking while you transport orchids to the show venue, but once heading for the judging area ensure you comply with the applicable rules.

At the last TOS meeting, during discussions relating to staking, comments flowed across to the topic of "cleaning orchid leaves for show judging". Again it must be pointed out that individual show rules will determine allowable cleaning methods for that show. TOS has no show rules on this topic.

Staking can, and is, used effectively to present orchid plants and orchid blooms to their best advantage

POPULAR VOTE June 2016

Novice

- 1st Den Pink Eyes
- 2nd Grt [Ctna] Why Not
- 3rd Onc [Mtssa] Shelob

- R Whiting
- K Turner
- T & S Ruxton

Open

- 1st Den Salaya Strike
- 2nd V Thananchai x v Kultana Flame
- 3rd Den unknown

- R & E Dundas
- N Palin
- R & E Dundas

Veterans

1 st	C Dorothy Gorton	B Fighera
2 nd	Rlc Chia Lin	P & J Lucke
3 rd	Ctsm tenebrosum x Tomiko	T & D Hobden

First Flowering

1 st	Rlc Haad Yai Delight	A Hardy
2 nd	Rlc Deception Garnet (Rlc [Pot] Miya's Passion x Rlc Burdekin Storm)	B Fighera
3 rd	C Gertrude Hausermannn	R & E Dundas

Tabled plants points score - June 2016

Name		Novice	Open	Veterans	Species	Aggregate
Allison	Allan	0	2	0	0	2
Bloom	Marie	0	0	13	44	57
Cairns	June and Stacey	0	78	0	0	78
Chambers	Keith and Lyn	0	2	0	0	2
Cooper	Peter and Mary	0	21	0	6	27
Donnell	Bruce and Karen	8	0	0	0	8
Dundas	Robyn and Eric	0	72	0	0	72
Fighera	Bruno	0	0	68	3	71
Grant	Noel and Maureen	0	0	165	144	309
Hardwick	Noel	0	10	0	0	10
Hardy	Ann	54	0	0	7	61
Hobden	Tom and Delia	0	0	13	0	13
Joynson	Lucy	5	0	0	2	7
Kelly	Greg and Santina	0	0	122	7	129
Knowles	Jeff and Alison	0	0	10	14	24
Lucke	Peter and Joanne	0	0	88	41	129
Marnock	Fred and Donna	0	0	71	15	86
Mutch	Col Berzinski and Lyn	0	78	0	5	83
Nicholson	Wal and Jean	0	0	157	56	213
Nuss	John	0	0	0	14	14
Osborne	Carl and Michelle	0	7	0	4	11
Palin	Norma	0	5	0	0	5
Phillips	Tina	0	0	0	2	2
Rasmussen	Robert	0	1	0	0	1
Rutherford	Gillian	8	0	0	4	12
Ruxton	Terry and Sarah	27	0	0	6	33
Sanim	Mark	0	16	0	4	20
Sewell	Warren and Clara	0	0	52	9	61
Sibthorpe	John and Wendy	0	12	0	1	13
Skinner	Aidan	4	0	0	0	4
Turner	Mark Step and Kerry-Ann	21	0	0	0	21
Whiting	Ruth	15	0	0	0	15

In Noel's Bush House 47

Cattleya warneri Moore ex R. Warner (1862)

It must be spring, because *Cattleya warneri* has flowered! It provides a showing of delightful lavender and purple flowers just when we need a lift from winter - although we all know that winter is the best time of the year in Townsville. I am reminded of the joke, aimed at people from temperate climates: "I remember last year's winter – it was on a Wednesday!"

Cattleya warneri is very similar to, and is often mistaken for, *Cattleya labiata*. It was differentiated from *C. labiata* in 1862 by Robert Warner, a noted orchidist at the time, who pointed out that *C. warneri* had to be a different species, because it flowers in spring, while *C. labiata* flowers in autumn. It also has several characteristics that make it different from *C. labiata*: shorter and stouter pseudobulbs, a more compact habit and broader leaves. It makes new growths in autumn and winter, while *C. labiata* does so in the spring and summer. Finally, they produce roots at different times – *C. warneri* after flowering, *C. labiata* before flowering.

It comes from Brazil, growing in the states of Bahia, Espirito Santo and Minas Gerais. The habitat is centred around Rio Doce and its tributaries, at an altitude of 100- 200m, where the plants are found on trees which grow on steep slopes and rock faces along the streams, where they are protected from frequent fires.

Because it is actively growing during autumn and winter, when most other *Cattleya* species are looking for cooler, drier conditions for their winter dormancy, it can be difficult to provide the best growing conditions. Fortunately, *C. warneri* will tolerate less than perfect conditions and still produce a satisfactory growth, so it can still be grown with the other *Cattleya* species, if you put it in the sunniest part of your bush house. A well grown *Cattleya warneri* will produce four flowers on a spike, unusually through double sheaths (one inside the other).

Noel Grant, July 2016

References:

Computer program "OrchidWiz" 12.2

The Internet Orchid Species Photo Encyclopedia <http://www.orchidspecies.com>

"The Classic Cattleyas" A.A. Chadwick and Arthur E. Chadwick, Timber Press 2006. NOTE: This book is available in the Townsville Orchid Society Library.

