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# CLIVIA NEWS

Newsletter  
of the Clivia Society

2017/2018 | VOLUME 26 | NUMBER 2



# CLIVIA NEWS



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## The Clivia Society [www.cliviasociety.org](http://www.cliviasociety.org)

The Clivia Society caters for Clivia enthusiasts throughout the world. It is the umbrella body for a number of constituent Clivia Clubs and Interest Groups which meet regularly in South Africa and elsewhere around the world. In addition, the Society has individual members in many countries, some of which also have their own Clivia Clubs. An annual yearbook and three newsletters are published by the Society. For information on becoming a member and / or for details of Clivia Clubs and Interest Groups contact the Clivia Society secretary or where appropriate, the International Contacts, at the addresses listed on the inside of the back cover.

## The objectives of the Clivia Society

1. To co-ordinate the interests, activities and objectives of constituent Clivia Clubs and associate members;
2. To participate in activities for the protection and conservation of the genus *Clivia* in its natural habitat, thereby advancing the protection of the natural habitats and naturally occurring populations of the genus *Clivia* in accordance with the laws and practices of conservation;
3. To promote the cultivation, conservation and improvement of the genus *Clivia* by:
  - 3.1 The exchange and mutual dissemination of information amongst Constituent Clivia Clubs and associate members;
  - 3.2 Where possible, the mutual exchange of plants, seed and pollen amongst Constituent Clivia Clubs and associate members; and
  - 3.3 The mutual distribution of specialised knowledge and expertise amongst Constituent Clivia Clubs and associate members;
4. To promote the progress of and increase in knowledge of the genus *Clivia* and to advance it by enabling research to be done and by the accumulation of data and dissemination thereof amongst constituent Clivia Clubs and associate members;
5. To promote interest in and knowledge of the genus *Clivia* amongst the general public; and
6. To do all such things as may be necessary and appropriate for the promotion of the abovementioned objectives.

More information on the Clivia Society available on  
[www.cliviasociety.org](http://www.cliviasociety.org)

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## ADVERTISEMENTS

WILL ANYONE WISHING TO ADVERTISE OR WHO KNOWS OF POTENTIAL SPONSORS OR ADVERTISERS FOR THIS PUBLICATION PLEASE COMMUNICATE WITH SAKKIE NEL IN THIS REGARD.  
SEE PAGE 40 FOR CONTACT DETAILS.

The *Clivia* Society Newsletter started as a black and white news-sheet dated July 1992, numbered Volume 1 Number 1, called '*Clivia* Club'. It formed a means of communication for people interested in the plant genus *Clivia*. It was edited/written by the late Nick Primich with issues respectively 3, 5, 8 & 5 during the first 4 years dated with the month of publication.

The frequency was fixed on four annually issues with Vol. 5 No 1 of March 1996.

The date changed to the southern hemisphere seasons with Vol. 8 No 1 of Autumn 1999. The name changed to 'CLIVIA CLUB NEWSLETTER' with Vol. 9 No 1 Autumn 2000 with full colour photos on the cover pages. Another name change to 'CLIVIA SOCIETY NEWSLETTER' came with Vol. 10 No 4 Summer 2000, and in 2005 monthly dating was reinstated.

CLIVIA NEWS is the continuation of this series.



**EDITORIAL**

It is with great sadness that we heard about the passing of Ian Brown. Our condolences go out to his wife Margie and the rest of his family. Over the past ten or so years, I have been invited to judge at the Cape Clivia Club a number of times, also using the opportunity to acquire a few plants from various of the amazing breeders at the Cape Clivia Club, including Ian. The Ian Brown bred plants I have in my collection are prized possessions.

The miniata flowering season in the southern hemisphere is over and life can once again return to normal. Flowering season is always hectic and lots of fun.

Finalising my second last *Clivia News*, after six years as editor of the publications for the Clivia Society, comes with a little sadness. I've decided that it is time to hand over to another capable person. I strongly believe that regular change at leadership level is very important in driving organisations, businesses and institutions forward. Change is really the only consistent

aspect of life. It is important to create space for new people to experience the responsibility of taking something forward. I leave the *Clivia News* and Yearbook in a good place but the publications need a new vision to take them to the next level. My term finishes in May 2018, which coincides with the end of the current Clivia Society management term. I look forward to taking on other leadership challenges in the service of *Clivia*.

A big word of thanks to Jacky Kraamwinkel for the language editing of this edition of the *Clivia News*, and all the other participants that sent comments and edits.

Thank you to all the contributors over the years. Please keep your submissions coming, without which there can't be any publications. ▼

*Joubert van Wyk*

*Editor*

**PS. CUT-OFF DATES FOR SUBMISSIONS:**

Photographic Competition entries for Yearbook 19: 15 February 2018

Yearbook 19: 15 February 2018. The Yearbook will, in addition to the usual categories, also include information on growers and collectors in and around the Johannesburg area for purposes of the 2018 Quadrennial Conference to be hosted by the Jo'burg Clivia Club.

*Clivia News* 2017/2018 No. 3: 15 January 2018

Please also start thinking and preparing plants for the Conference Auction in September 2018. More news about this will be made available early next year.

**FRONT COVER** Ian Brown's Orange White Interspecific

**BACK COVER** Shige & Masako's Clivia Bouquet



Ian Brown

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## IN MEMORIAM

**Ian Brown***By John van der Linde*

Ian Brown passed away on 30 October 2017. He was a gentleman with green fingers and was a genius at growing *Clivia*, which he did for over 40 years. He was the first person in the world to cross-breed with *Clivia mirabilis*, but that is a story for another day.

Ian was born in Johannesburg but spent most of his life in Cape Town. He qualified as a chartered accountant and had a career in the auditing profession.

Ian was always a keen gardener. When he and his wife Margie moved to their home in Rondebosch in the early 1970s, he decided that he needed some plants to fill shaded areas in the garden and that *Clivia* would do

the job. A friend got Ian three good-quality orange-flowering *Clivia miniata* plants from KwaZulu-Natal. He needed more, so decided to grow them himself from seed. Eventually the seedlings flowered and he noticed the variety of shapes and colour shades.

Ian was now hooked on breeding and set out to cross the lightest colour oranges together. He did this for many generations. He says that he hoped to eventually produce yellows!

He was a regular subscriber to *Farmers Weekly*. One issue had an article on growing *Clivia* by Nick Primich, the founder of the old Clivia Club, the predecessor to the Clivia Society. Ian corresponded with Nick, who put him right on his growing techniques.



Ian's Best Own Breeding



Ian's Interspecific 2nd Runner up

In 2006, the year in which he was made an Honorary Life Member of the Cape Clivia Club, Ian wrote: "Needless to say, I produced no yellow flowers but gradually grew very nice light orange forms. My garden overflowed with *Clivia!*"

Ian obtained his first yellow *miniata* from Jim Holmes in the early 1990s, some 20 years after he had first become interested in *Clivia*. In 1996, he attended the inaugural Cape Town meeting organised by John Winter, which led to the formation of what eventually became the Cape Clivia Club.

Ian served as Treasurer for the Clivia Society from 1999 to 2001 and was the first Treasurer of the newly constituted Clivia Society.

When the Clivia Society was formed, Ian served as its first treasurer.

Apart from his services to the *Clivia* community, Ian was a world-class *Clivia* breeder

and grower. He had the knack of knowing which plants to cross to produce the most superb results. Plants bred by him were regular winners of the top prizes at Cape Clivia Club shows. His multi-tepal *miniata* breeding programme incorporated the outstanding Nakamura multi-tepal featured on the front cover of CLIVIA 3. The programme has produced many top seedlings. In more recent times, Ian also specialised in "Appleblossom" crosses and in producing *miniata/mirabilis* interspecifics.

Once he got the hang of growing *Clivia* in pots, Ian's aim was to get his seedlings to flower as soon as possible, often in their third year. His article "Promoting early flowering of *Clivia miniata* seedlings" in CLIVIA 5 is a classic, worthwhile reading for all *Clivia* growers. This article was summarised in the widely-distributed Clivia Society publication *Cultivation of Clivia*.





Ian's Multitepal 2011 flowering - YB3 cover 2001



Ian Brown's Appleblossom Q4 x Q6



Ian Brown's Orange White Interspecific



Ian's Intensive Care

Ian was a great family man. His grandchildren were proud of their *Clivia*-growing Grandpa. They put up the signs on the wall, shown in the picture below, with Ian and some of his *Clivia*. Needless to say, he was also an expert at nursing plants back to full health.

Ian's wife of 55 years, Margie, assisted him enormously in his interest and was a regular and knowledgeable hard worker at shows, usually at the demonstration table, promoting *Clivia* to the public. She survives him, together with their children and grandchildren. ▼



## CLIVIA CONFERENCE

## 2018 Quadrennial Conference: Update from the organising Chairman

Glynn Middlewick

### Clivia Conference 2018 update

The provisional dates are as follows:

The Jo'burg Clivia Club has the privilege of hosting the 2018 Clivia Society Conference in Johannesburg. The conference will take place on Wednesday the 5th and Thursday the 6th of September 2018.

The Northern Clivia Club Show will be held on Saturday the 1st and Sunday the 2nd of September 2018 in Pretoria.

There will be garden visits prior to the conference. The size of the groups will be small to be easily accommodated by the growers.

The first groups of gardens will be visited on the 3rd of September in the Pretoria area.

On the 4th of September, the gardens visited will be in the Johannesburg area.

Friday the 7th of September is a free day or for private visits to growers.

The Jo'burg Clivia Club Show in Johannesburg will take place on Saturday the 8th and Sunday the 9th of September 2018.

Monday the 10th until Wednesday the 13th of September provide the opportunity of visiting the caulescens habitat area in the Mpumalanga area and spending a day in the Kruger National Park. Please see the article by James Abel below. If you are interested in this tour, please send your name to James at [jcabel@absamail.co.za](mailto:jcabel@absamail.co.za). This information will help James plan the accommodation and bus requirements. No fee is now necessary.

The conference on Wednesday the 5th and Thursday the 6th of September will comprise two days of talks. On Thursday, the last

talk of the day will end at 16h00. This will be followed by an auction of selected and desirable Clivia plants.

The theme of the conference is "*Clivia – Keep the Changes Coming*".

The talks will focus on the changes that have occurred in *Clivia* development as well as suggestions on the possible way forward for future development.

The provisional list of speakers include the following: Helen Marriott, Prof. Johan Spies, Francois van Rooyen, Felix Middleton, Sean Chubb, Henriette Stroh, Piet Theron, Eddie Pang, Aart van Voorst, Henriette Stroh, Dawie Strydom, Pikkie Strumpher and John van der Linde.

I do hope to attract a few more speakers to cover all aspects of *Clivia* progress and development.

On behalf of the Jo'burg Clivia Club, I would like to extend an open invitation to all *Clivia* lovers to consider attending the conference and gardens of the Johannesburg and Pretoria area in

September 2018.

The venue for the Quadrennial Conference will be the Glenburn Lodge. Further details of this lodge may be found at [www.glenburn.co.za](http://www.glenburn.co.za)

The Lodge is located north-west of Johannesburg, about six kilometres from the intersection of the Pretoria/Krugersdorp highway and the M5 (Beyers Naude Drive extension).

We will include registration details with the next Clivia News.

Glynn Middlewick

082-650-1463 ▼



## CONFERENCE-RELATED ACTIVITIES

## 2018 Caulescens Bus Tour Itinerary

By Connie &amp; James Abel

The 6th Caulescens Bus Tour will take place on the 10th to the 13th of September 2018. This follows on the Clivia programme, which starts with the Northern Clivia Club Show on the 1st and 2nd of September; the garden visits on the 3rd and 4th of September; the conference on the 5th and 6th of September and then the Jo'burg Clivia Club Show on the 8th and 9th of September 2018.

Habitats such as Woodbush and Bearded Man are great to visit, but logistically difficult since they require arranged access. In some cases secondary transport over rough roads and, in the case of Bearded Man, two out of four visits had to be cancelled at the last-minute (breakfast time!) during a previous tour due to heavy rain and wildfires, respectively. Too full a programme also means that each visit are somewhat hurried. For 2018, we will concentrate on The Pinnacle, God's Window and Mariepskop, three of the most spectacular *Clivia* habitats; these are well illustrated in Trevor Pearton's Google photo of the escarpment.

September is a bit early for caulescens flowering, but there should be a number of early



blooms, as photographed to perfection by Ian Coates. Ian also sent us the photo of a God's Window plant with a 1.78 m stem, copied from a PowerPoint presentation that we prepared. The longest caulescens stem that we have seen was 2.2 m, at Wonder View.

The first cancelled Bearded Man visit was

immediately replaced by a morning swing through the Kruger National Park – some will say a good alternative, as illustrated by two photos from Gerda Gers. Based on this, and particularly for our overseas delegates, we have decided to spend a full day in Kruger National Park. For more information on the park, go to [https://en.wikipedia.org/wiki/Kruger\\_National\\_Park](https://en.wikipedia.org/wiki/Kruger_National_Park).

### Our planned itinerary in 2018 is as follows:

**Starting:** We will select a hotel in Pretoria where participants can overnight on Sunday or park their cars on Monday, if staying elsewhere.

**Monday the 10th:** The bus will leave the hotel at seven-ish and head east on the N4 motorway. After about 1½ hours, we will stop briefly at the Alzu Petroport for takeaway breakfast (own cost). As a taste of Wednesday in the Kruger National Park, the following game can be seen in a field next door to Alzu: rhino, buffalo, zebra, six species of large antelope (sable, gemsbuck, waterbuck, eland, blesbuck, red hartebeest), ostrich and even some emu. We will then travel via Lydenburg (temporary capital of the Transvaal in the late 1800s) and Pilgrims Rest (site of an early gold rush) to Graskop, where all tours have overnights. The afternoon will be spent among the caulescens at the Pinnacle and Gods Window, nicely illustrated in the photo by Pearl Snowdowne.

**Tuesday the 11th:** We will drive down into the Lowveld via the scenic Kowyns Pass, north to Acornhoek and then west to Mariepskop.



The road to the top is very steep but well constructed. The bus will be parked at the top while participants will be free to wander back down the road through the forest at their own pace, with great views over the Lowveld and many *caulescens* on the side of the road, as shown in our photos (any blue *Clivia* in those cliffs that have never been visited?). After a few hours, the bus will slowly descend, picking

up walkers wherever they may have stopped to rest. We will then drive to our overnight accommodation in the Hazyview area.

**Wednesday the 12th:** After breakfast we will drive into the Kruger National Park, stopping at one of the rest camps for lunch (own cost). The bus has the advantages of height for improved viewing as well as a multitude of eyes to spot the wide variety of game.







For more information, go to [www.sanparks.org/parks/kruger/](http://www.sanparks.org/parks/kruger/). We will then overnight in the vicinity of Nelspruit/White River, one of the most productive irrigated farming areas in the country.

Thursday the 13th: Plans for the morning are in process. Towards midday we will set off for Pretoria, stopping at Alzu along the way for take-away lunch (own cost).

Other aspects: Further details will be expanded





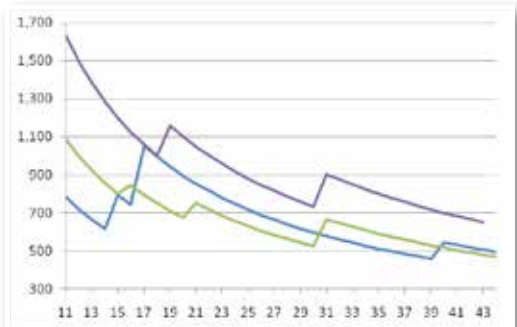
on and provided in early 2018.

Application: We request that anyone who is interested in joining us let us know soonest by email, to assist us with planning. There is absolutely no commitment at this stage. You will then be kept informed as plans are confirmed and finalised. Please send an email to James Abel at [jcabel@absamail.co.za](mailto:jcabel@absamail.co.za).

Costs: Finances will be calculated on a break-even basis, with no organisation fees being charged. Apart from the items shown as "own cost" above, all direct costs will be covered in the tour fee. All major expenses such as the hotels and bus will be negotiated with several providers. The final cost will depend on the number of participants (see right). We will ask applicants to

commit themselves during July 2018 on a first-in first-served basis after we confirm final costs, with a request for prompt payment.

Transport: We will travel in a luxury bus (see photos by Ian Coates and Wynand Malan). This is a chicken-and-egg situation, since the cost





per person depends on the size and use of the bus, and the size and use of the bus depend on the cost! For illustration, we show the bus quotes received from three companies for a previous tour. The same selection process will be followed for 2018.

Accommodation: Proposals will be requested from mid-range hotels, offering comfortable accommodation at moderate prices.

Talks: As has been done successfully in the past, delegates will be requested to give brief (10 min?) talks of general interest, in the bus or at the hotels, as can be arranged.

Payment: Full details for direct payment to the Clivia Society will be provided.

Diet: Participants will be asked to specify any dietary requirements and will be informed whether the selected hotels can comply.

Climate & clothing: Dress is informal. At this time of the year, the escarpment is usually cool, with the possibility of mist and rain, while the Lowveld can be drier with warm to hot temperatures. I usually wear a summer shirt, short trousers and sandals, with a raincoat and warmer top available if

necessary. Remember a hat – the sun can be sharp!

Security: Violence levels in South Africa are at worrying levels, yet apart from being security cautious we live relatively normal lives. Be aware of where you are or will be, and do not openly flaunt valuables such as phones, jewellery and cameras.

Health and malaria: The Kruger National Park is in a malaria area. This hazard is low in the cooler months, and the only precaution that we usually take is the use of insect repellent. However, each participant is solely responsible for own decisions. More information will be provided later.

Insurance and indemnity: Every participant must take own decisions on travel insurance, including health and hazard. Before departure, everyone must sign an indemnity in favour of the society and organisers, and details of this will be placed on the website.

We look forward to having you in a full bus with us. All queries welcome to [jcabel@absamail.co.za](mailto:jcabel@absamail.co.za). ▼

## CLIVIA PERSONALITIES

### Johan Spies

By Sakkie Nel

Johan Spies was born on the 24th of January, 1952 in Harrismith as the only son of his farmer dad and his mother, who was a housewife. His one sister is an attorney in Kimberley, while the other sister (Elna) passed away in 2001.

Johan enjoyed his first six years in the school on the farm Driedeel and then attended Harrismith Primary and Harrismith High School.

His academic education took him to the University of the Orange Free State as well as the University of Stellenbosch. He acquired the following degrees: BSc, MSc, PhD (UOFS) and BMed Sc Hons (US).

In 1994, Johan obtained his very first 10 yellow seedlings from the Cape Clivia Club. He prepared a flowerbed for them in the

full sun, so that they could grow better and faster! Needless to say he eventually succeeded in saving only two of these seedlings.

Johan's love for indigenous bulbs and *Clivia* plants led him to become a member of the Free State Clivia Club in 2000. Growers such as Jurie Swart, Piet Laubscher, Ammie Grobler and Bing Wiese all helped guide him in the right direction and made an impact on him to collect *Clivia* plants. At present, he has over 1 000 plants in his collection. Apart



from an indigenous bulb collection, Johan also collects mint postage stamps of *Clivia* and other flowers from around the world.

On 12 May 2007, at the Clivia Society of South Africa's annual general meeting held at the University of the Free State, Chris Vlok and John van der Linde stepped down from their positions as chairman and vice chairman, respectively, and were succeeded by Johan Spies and Peter Lambert as chairman and vice chairman. At this meeting, when thanking Chris Vlok for his years of service to *Clivia*, John van der Linde said: "We all joined the *Clivia* fraternity because of the beautiful plants and flowers, and then we stay because of the beautiful people!".

Johan filled this position with honour for the next four years until May 21, 2011 at the annual general meeting of the society, held at the Assegai Hotel, Shongweni in KwaZulu-Natal, where he was succeeded by Christo Topham as Chairman.

Prior to his retirement, Johan was a professor and Academic Department Head of Genetics at UOFS. After his retirement, he moved to Mossel Bay in the Western Cape. His most loved beauties like Karkloof and Bronze Green Boy F1 of Ian Vermaak, Lady of Oribi Gorge of Ammie Grobler, Maxima of Fred van Niekerk, Cynthia's Best of Mick Dower and habitat *C. gardenii* of Francois van Rooyen all made the trip there inside Johan's car, in comfort, on the seat!

Johan has written 97 scientific papers as well as 30 other popular scientific documents.

In June 2016, Johan wrote the book *Basic Genetics for Clivia Breeders*.

Johan is currently teaching Biology at Curro Independent School in Mossel Bay, as they could not find a suitable teacher for that position. This hampered his writing, but he has three manuscripts that are nearly ready to submit to the publishers, two on biblical prophetic studies and one on a part of the history of South Africa, namely the Battle of Blood River.

As chairman of the society, Johan's main obstacle was to settle on-going disputes among members. This frustrating responsibility

kept him from dealing and indulging in his main interest, namely *Clivia*. These disputes also emphasised the necessity for developing an objective identification system for different cultivars.

The biggest *Clivia* research problem, at the moment, is the fact that the current species delimitation in *Clivia* is incorrect. It may be a very convenient classification for the layman, but scientific results cannot be interpreted correctly. Much more attention should be given to this aspect.

Research on flower colour formation is progressing very well. This aspect is much more complex than initially thought. With the current knowledge, prediction of flower colour with certain crosses is almost impossible.

Johan's predictions for the future of *Clivia* breeding pose a problem to the majority of backyard breeders (the majority of *Clivia* lovers). He foresees that commercial breeding will take over the market. These will be plants that flower in the second year after planting, with a reasonably good flower and a relative compact growth form. These plants can be produced in mass at relatively inexpensive prices. This will take the mass market away from hobbyists. However, if you are willing to toil and sell plants only among fellow *Clivia* lovers, this will stay a life-enriching, money-draining hobby! At this time, the show winners already indicate the future trends – the long-leaved plants are seldom, if ever, seen on the rostrum. Plants are becoming more compact. Flower colour will receive more attention (this is already obvious at shows). As the *Clivia* lover spends much of his or her time among their collections, looking out for problems, breeding for disease resistance will not be as important as in the commercial breeding side.

Johan's dream will be an agapanthus blue-purple flowering *Clivia* or a pure white (not the sickly, bleached straw colour we observe today). Johan would even settle for a bright daffodil yellow coloured *Clivia*. In his own collection, the bright reds (as you may have seen in the previous discussion – the bright colour really catches his eye) will always be his number one choice! ▼

## Shigetaka Sasaki

By Sakkie Nel

**S**hige was born on 27 March, 1963 in Kanagawa Prefecture near Tokyo, Japan. His father worked for a huge company manufacturing photocopying machines. He has one younger brother. His mothers' biggest influence on her two boys was to socialise well with all people crossing their paths.

Shige attended Nishiikuta Junior High School in Kanagawa Prefecture and Tokai Dai Sagami High School in Tokyo. He entered Tokai Dai University in Tokyo to study Political Economy, but dropped out after one year to become a singer and decided to put all his time and effort into growing *Clivia* plants and selling them to new enthusiasts.

Shige started with his first *Clivia* plants in 1997 at the age of 34 years. He met Mr. Yoshikazu Nakamura in March 2000, when Mr. Yoshi was selling *Clivia* plants at his booth in a big flower show in Tokyo. After this meeting he was positive that he wanted to pursue his ambition of growing *Clivia* fulltime. At the time Shige was only interested



Shige & Masako with *Clivia* Bouquet

in the *Clivia* plant's leaves and not the flowers. He wanted to obtain Chinese Henglan from Mr. Nakamura, and a week later he visited Mr. Yoshi at his *Clivia* plantation in Mobarra

City. For two hours Mr. Yoshi kept on talking about local *Clivia* flowers and colours, and also *Clivia* in the rest of the world, so that he made sure the very strong *Clivia* 'virus' was embedded in Shige's bloodstream!

Very soon he realised that Mr. Yoshi was his *Clivia* Master as well as biggest rival.

Mr. Yoshi told him fascinating stories about visiting South



"Jungle Fever"



'Pink Pico'

Africa in 1994 and 1998 and the tours to the habitats of different species of *Clivia* growing in the wild. Shige immediately joined the Clivia Society in 2002 as an international member from Japan.

In the same year, he attended the Quadrennial International Conference in Pietermaritzburg as well as the conferences in 2006 in Pretoria and 2010 in Cape Town.

After the devastating earthquakes of 2011 in Japan, a week-long *Clivia* charity auction was held in May with the theme "*Clivia Heart Support for Japan*". Shige received a lot of e-mails from overseas *Clivia* friends offering to help to raise funds for the Japanese people. He started to plan a *Clivia* charity auction; with Marilyn Paskert and Tom Wells (President) of

North American Clivia Society being a huge help in this regard. Shige, Mr. Nakamura, Mr.



'White Pico'



'Accordion'



'Cheek to Cheek'





Top: F1 'Jungle Fever'

Bottom: 'Hola'



Nakayama, Mr. Koike, Mr. Hattori, Mr. Mitsuhashi and Mr. Tsuruoka donated 22 plants to be auctioned between the 15th and 22nd of May with the full co-operation of NACS. Shige organised a separate auction of seeds for Australian and New Zealand *Clivia* enthusiasts, as it is very difficult to export mature plants to those countries. On the 21st of July, 2011 Shige visited the Japanese Red Cross Society with his friend Tatsuro Munekata, who designed the charity poster for the auction on eBay. The charity seed sale auction raised 1 104 680 JPY (USD\$ 14 162.50).

The *Clivia* lovers worldwide opened their hearts to the victims of this big earthquake and donated amply. Shige is still today very proud and thankful for the generosity of his friends. Shige and his friend Masashi Yamaguchi have compiled a CD titled *Clivia Song*.

Helen Marriott edited the wording of the poem.

### Clivia Song

*When I saw you sitting under a tree  
Smiling like a nobly born girl  
I was fascinated by your beauty  
Time has stopped since I met you.*

*Where are you from? I ask you with a smile  
Please tell me the story of your life  
You were born in the windy forestland  
Flower kingdom of South Africa.*

*Clivia, you are my dream  
So many shades  
That you can show  
Orange yellow peach and pink  
You are changing my whole world.*

*Clivia, you are my love  
When I'm in blue  
Then you can show  
Purple red white green gold  
We are making a brighter world.*

*Close your eyes  
Then ask what you can be  
You will know the future of yourself  
You will visit so many countries of the world  
Everyone will be your good friend.*

*I believe you're born to love the world.  
'Cause your smile can open up our minds*

*I hope you will bear the berries of true love  
Wonderful lady  
It's you, Clivia*

*Wonderful Clivia  
Beautiful Clivia  
Its amazing Clivia  
South Africa....*

Not only *Clivia* fascinated Shige but also agapanthus, hippeastrum, haemanthus and scadoxus. He has obtained most of his *Clivia* breeding stock from Mr. Yoshikazu Nakamura, Mr. Toshio Koike, Mr. Atsushi Nakayama, Mr. Kazumi Hattori, Mr. Hiroshi Mitsuhashi, Mr. Tsuruoka and Mr. Miyazaki, all from Japan.

From South Africans like Sean Chubb, Andy Forbes-Hardinge, John Winter, Mick Dower, Connie and James Abel, Norman Weitz, Bertie and Celia Guillaume, Chris Welgemoed, Meg Hart and Rudo Lötter, he acquired all the different species, interspecific hybrids, and beautiful flower colours of *miniata* cultivars as well as various variegated forms.

Harold Koopowitz, James Comstock, Victor Murillo, Dave Conway and Joe Solomone of the USA also contributed hugely to the stock that Shige cherishes dearly today.



Akebono Tiger



Best Negishi Variegation

tables at the reception. Masako and Shige asked Miyake Nursery in Tokyo to make the bridal bouquet and to add some beautiful alstroemeria flowers and leaves to it.

The one thing that Shige is the most thankful for and cherishes the most is the fact that he has made so many good friends all over the world thanks to *Clivia*. It is indeed true that a father must know his own children and Shige points out that his top-



Negishi variegated with phyllody flower



Charity Auction

Last but not least, he is very thankful for the help and support that he enjoyed from Helen Marriott in Australia, Aart van Voorst in The Netherlands and Dirk Lootens in Belgium.

While his *Clivia* kingdom flourished, he met the love of his life Masako Yamaguchi. They tied the knot in February 2015 in Saitama Prefecture, Tokyo. The month of February was specifically chosen so that his beautiful *Clivia* interspecific could be in bloom and be used for the bridal bouquet as well as on the



Charity Auction



of-the-range six beauties are "Hola", "Pink Pico", "Jungle Fever", "Jungle Fever F1", "Cheek to Cheek" and "Accordion", all bred by himself.

I am sure the photos of these six beauties will take your breath away. I was a bit disappointed that his multitepal "Hanya" did not make the grade!

Shige's dreams and vision for the future of *Clivia* include:

- 1 Cultivating interspecific hybrids that will flower two or three times per year.
- 2 Cultivating interspecific hybrids with key plants like *C. caulescens* and *C. nobilis* that would ensure lovely cut flowers.
- 3 Cultivating with key plants, the best multitepals, phyllody and triploids with short pedicels. ▼



*Clivia* Bouquet

## CLIVIA SOCIETY

### From the Chair – October 2017

South Africa has experienced a mild winter. However, the evenings were often cold. The winter was also very dry. Some growers advise that *Clivia* plants should be kept dry in winter, while others continue watering the plants throughout the winter, but less frequently. The *Clivia* is an evergreen plant and while the temperatures may retard growth if too low, the plants continue growing, only more slowly.

Many growers complained that the *Clivia* planted in the ground were all flowering well, but the potted *Clivia* were reluctant to flower. The flowers that were present were also inclined to be smaller than normal.

Is there is reason for this change in the flowering pattern? Were there perhaps not sufficient cold periods to stimulate the formation of flower

buds? Is there a possibility that excessive nitrogen was fed and promoted mainly green leaf growth? What is obvious to us, is that the *Clivia* do prefer open ground to pots for optimum health. As we try and cultivate *Clivia* in areas where the climate is not ideal, we have setbacks. Some areas freeze in winter; other areas are too hot. Johannesburg has a high altitude and strong sunlight exposure, together with low humidity.

Despite the poor flowering prospects this year, all the shows provided more than enough spectacular flowers for the visiting public.

Next year the Jo'burg Clivia Club hosts the Clivia Society Conference, so we hope Mother Nature is kind to us and ensures spectacular blooms for our growers.

Regards, Glynn ▼



## CLIVIA BREEDING

## You are never too old ...

By Giel de Villiers

It is commonplace that the vast majority of *Clivia* enthusiasts regret the fact that they had started with this rewarding hobby and passion far too late in their lives. One can never be too young to become engaged in *Clivia* breeding and participation in *Clivia* shows.

At the *Clivia* Show of the Free State *Clivia* Club, held at the Fleurdal Mall in Bloemfontein on the 15th to the 17th of September 2017, there was something more than just plants and a wide variety of beautiful flowers on display. The oldest club member, Gienie Janse van Rensburg (81) showed her creativity with a “project” that demonstrated the different stages of growing *Clivia* from seeds. This exhibition drew a lot of attention among visitors. Needless to say that the display evoked notable interest and many questions had to be answered by Gienie and her fellow club members.





In my previous life in school education (pension days), I was involved in the adjudication of projects enrolled for the provincial and national Eskom Expo for Young Scientists. Never in my wildest dreams could I imagine that one day I would see such an imaginative project from a young scientist at the age of 81! Gienie and her late husband had been *Clivia* enthusiasts and club members for more than 30 years. She still maintains high standards at her beautiful and functional home nursery in Universitas. One of her sons, Johan from Pietermaritzburg, is also an active Free State club member and honours the legacy of his parents by breeding *Clivia* and participating in

shows. Her son René and grandson Raymond who live in Bloemfontein support "Ouma" regularly with various *Clivia* tasks at hand. Well done, Gienie, and thank you for going this extra mile for *Clivia*!

In addition to this initiative, club members also donated seeds this year that were packed in small plastic bags together with printed instructions on how to grow *Clivia* from seeds successfully. Visitors were welcome to take a packet and try to grow the few seeds (about five) at home. Hopefully these endeavours have brought about much more interest in *Clivia* among the large number of visitors who attended the Free State show. ▼

## Understanding mutations and variations

By Sean Chubb

**M**utations are not a result of slow continuous selection. Mutations in *Clivia* are distinct deviations from the normal type of a strain of *Clivia*. This could be in a variety of forms but the most well-known mutations are the mutations that vary the colour of the flowers of *Clivia*. Mutations are distinct from ordinary variations and may be described as a sudden but accidental deviation from the normal type. It appears that mutations are unexpected and unanticipated new types. These do not come as a result of slow process of selection. Mutations have no intermediate stage between the old type and the new. Mutations are a sudden change in form and or colour of flower.

It is impossible to predict the appearance of mutations. Some are easy to perpetuate while others affect the plant in a way that they cease to reproduce. The appearance of mutations happens very seldom. Breeders need to keep a lookout for them and learn to recognise the potential, if any, in the mutations that do occur. As breeders we cannot wait for new mutations to occur; we need to work with variations and selections as described below.

### Variation of selective breeding

Variation through selection is an effective

tool for improving a strain of *Clivia*. Although variation is responsible for producing an exceptional individual, selection is responsible for preserving it. Charles Darwin describes two distinct types of selection: unconscious selection and methodical selection.

Unconscious selection is when a breeder in an attempt to reach perfection breeds only from the best genetic material available to him. This is done not with the intention of establishing a new strain or type, but improving the strain already in existence.

Methodical selection is to do with fixing new and desirable traits and establishing a new strain from the existing strain. Here the breeder must be constantly on the lookout for new and valuable characteristics. When the breeder finds these valuable characteristics, he makes them the basis of a new breeding programme. The easiest characteristics to select for are flower colour and plant form.

Subsequently, what the breeder needs to do is recognise the valuable variations in a strain and methodically select these variations over generations, gradually establishing a new more desirable strain. In conclusion: methodical selection is the tool the breeder needs to use to eventually achieve perfection. ▼

## Take good care of the roots of the *Clivia* plant

By Lena van der Merwe

**C**livia enthusiasts go out of their way to get the Clivia plants with the best genetic material for their collections, at great expense. In the first few years, these plants flourish and are the joy and pride of their owner. Then disaster strikes: the plant does not grow well anymore and the leaf tips start to die back.

This die-back of the leaf tips is usually noticed in the older leaves. Is it a disease? Is it caused by a bacterium, a fungus or a virus? What treatment will cure this sick plant? Some enthusiasts remove the affected leaf entirely; others just cut off the tip and reshape it, while others start spraying with every kind of fungicide or chemical available, but to no avail. These actions do not cure the problem of the plant.

The fact is that the die-back of the leaves is a manifestation of poor growth conditions. The overlooked factor for growing healthy plants is the growing of healthy plant roots. Healthy plant roots not only require water and nutrients, but also oxygen. A potting medium with a porosity of 25% is needed to ensure enough oxygen at root level.

When potting the plant originally, the potting medium met this porosity requirement and the plant grew well. The coarse material in the potting medium (for instance pine bark) decomposes over time forming a very fine material,

leading to compaction and loss of porosity in the medium. This leads to shrivelling of the roots and dying of the root tips. The roots are unable to supply the necessary "food" to the leaves. The plant then tries to compensate by drawing "food" from the older leaf tips (older part of the leaf). Not all elements can be moved and this then leads to poor overall growth of the plant.



Plant with dead leaf tips



Potting medium of the plant with healthy roots showing signs of compaction



Comparison of healthier roots (on right) and shriveled roots



Plant with dead leaf tips



Healthy root plant on top of the shriveled root plant





Not a single healthy root tip here



Plant with healthier roots

dead root tips? If poor roots are noticed, replace the compacted mix with the correct potting mix. Remember only the root tip – about 20 mm – is involved in the uptake of nutrients. If the root tip is lost, the root dies off and the plant needs to grow a new root from scratch.

Only one healthy root tip on the plant



Next time, before spraying chemicals unnecessarily, remove the plant from the pot and inspect the roots. Is there any sign of fungi, such as mycelia or fruit bodies present? If so, spray with a suitable fungicide. Do the roots look thick, plump and healthy or are they shrunken and withered with mainly



Potting medium of the plant with the healthier roots. Here is already signs of compaction of the potting medium



The plant medium of the bad roots plant. Look at the fineness of the potting mix



Root tips all shriveled



The obviously shriveled roots



Third from the right the healthy root tip compared with the shriveled root tips

Take good care of the roots and the plant will reward you with healthy foliage and flowers, justifying all the money spent on its acquisition. After four months, the same repotted plant should be revisited and photos taken to highlight any positive changes. ▼



## More on fungal collar rot

By Felicity Weeden

**T**hanks to Peter Hays for his interesting and well illustrated article on this subject in Newsletter 2016/2017, Volume 25, No 2. I would like to add some comments derived from experience with this difficult and very annoying problem, however, not in his learned terms!

I agree with Peter's directions for rehabilitating *Clivia* damaged by collar rot, the difference being that I use pure pine sawdust for rerooting. The sawdust is similar in texture to coarse sand, but I strongly recommend when using this medium, that it be kept under cover because of its water-retentive nature. The results are spectacular and very fast. I am told that tannin has growth promoting properties, which might account for the excellent rate of success. Resin is also an antibacterial.

I have tried using *Trichoderma*, but because my plants get very dry, these little fellows die off and so are of no benefit.

When dealing with a pot that had an infected plant growing in it, I completely dispose of the potting mix, wash the pot thoroughly in soapy water and then allow to dry. The pot may also be washed with bleach. The reason for this is that I have discovered that the mycelium continues to flourish on the walls of the empty plastic pot, spreading widely and producing large numbers of fruiting bodies. Please see photographs.

When an infected plant is identified, I pull it out of the soil, powder the plant and surrounding potting soil thoroughly with flowers of sulphur (also known as yellow sulphur powder). I find this to be a most successful treatment. An example of this is a large Group 2 yellow plant that contracted collar rot. I treated the big damaged offset/sucker which had lost all of its roots with sulphur, then treated the mother plant and potting mix as described. I did not renew the potting mix and after a period of time pushed the dried offset back into the same pot with the original soil. The offset and the parent plant are now growing well.



Mycellium on living plant



Remove all rotting material

I conclude that the sulphur killed the infectious spores in the soil.

I am told that a 3% solution of hydrogen peroxide is also an effective cure for collar rot.

It is my intention this year to dust all the plants with sulphur thoroughly around the base and on the potting mix just after the flowering season to ascertain whether this will control the collar rot problems.

It has been suggested that the spores of this pest are brought in on bark. I think this may be the case and it certainly is found in the potting mix.

Prevention is better than cure, but I am not aware of a preventative treatment that applies to *sclerotium rolfsii* (collar rot.) Please refer to

Cultivation of *Clivia* in the disease section.

## A short guide to identifying and dealing with diseased plants follows:

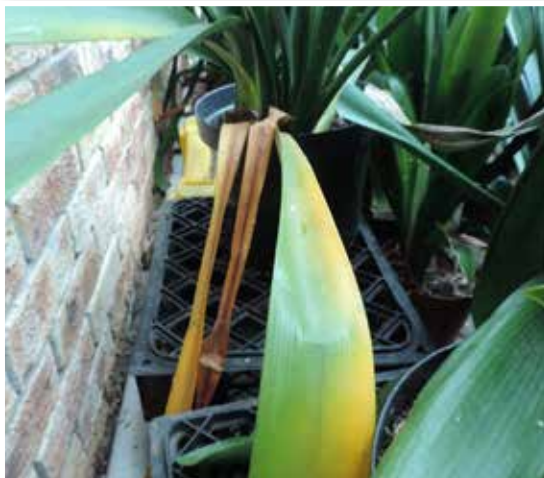
- a. It is usually easy to identify infected plants, because a fair number of yellow leaves develop.
- b. When removing these, you will notice that the leaves and the soil around them appears to be moist. When examining the base of the leaf, you will notice that there are threads of white mycelium between the two layers of epidermis. Frequently there are also fat little white fruiting bodies on the surface, which turn brown later on.
- c. It will also be noticed that the plant is distinctly loose in the soil.
- d. Once removed from the soil, the rotted base of the plant can be left to dry for some days or trimmed back to healthy flesh with a sharp knife, treated with sulphur and allowed to dry overnight or longer, and then placed in the fresh growing medium.
- e. Dispose of all infected and rotten portions of plant and completely remove the potting soil from the pot.
- f. Do not reuse any soil from infected pots, and do not reuse in your garden. Any rotted portions of plant and diseased leaves must be sent out with the refuse. Do not include them in your compost heap.
- g. Sterilise the pot as described above before reuse.
- h. It is also possible to stop this disease before it causes the plant to rot. In this case, you will find the leaves will have the white mycelium threads and fruiting bodies visible but the stem will not yet have started rotting. Remove the plant from the pot. Remove the infected leaves and dust thoroughly with sulphur. Allow to dry for a day or two and then repot in clean potting mix, sand or sawdust. ▼



*Sclerotium Rolfsii* on pot wall



*Sclerotium Rolfsii* on pot wall



Yellow leaves

## RELATED

## *Clivia* good, odd & ugly: #8 Grooming

By *Connie & James Abel*

**C***livia* is one of the few genera where both flowers and foliage are beautiful, and the mass of enthusiasts around the world are doing magnificently in breeding ever more attractive forms in both respects. Among their rewards is being able to show their plants at the many shows that are held and perhaps receive an award.

This is not only a challenge in breeding – the plants must be grown towards perfection and



then groomed painstakingly towards show standards. Our Oriental friends have developed grooming to a fine art, and Sue and Paul Kloeck have kindly sent us photos from their trip to China which show how this can be done with wedges of polystyrene and with wire. Naturally, this must be done without leaving a disfiguring trace – most enthusiasts will have had the bitter experience of snapped peduncles, torn leaves and other damage during preparation and transport to their local shows.

We are not aware of any similar practice of grooming the much more delicate *Clivia* flowers, but where man falls short, nature will sometimes show the way. The ever enthusiastic and observant Van Heerden family (Corra and Dawie and their daughter Lizl and son-in-law Johan Etebeth, see #6 in this series in CN v25.3) has sent us photos that show how a leaf falling from a tree has gently clasped a normally open miniata flower and persuaded it to take on an interspecies shape!

Contributions to this series will be gratefully received at [jcabel@absamail.co.za](mailto:jcabel@absamail.co.za) ▼



## Just for the record: #7

# Themes of the International Quadrennial Clivia Conferences

By Sakkie Nel

**T**he inauguration of the Clivia Society was in 1992, known at first as the Clivia Club. The shows in 2018 mark the 25th year of shows worldwide. The seventh International Quadrennial Clivia Conference will be held in Johannesburg in September 2018.

1. 1994 – 17 September 1994 at the Pretoria National Botanical Garden, Cussonia Street, Pretoria

### Speakers and topics:

- a) Opening – James Abel – South Africa
  - b) Ron May – Australia – Mealy bug management
  - c) Geoff Nichols – South Africa – *Clivia* cultivation & distribution
  - d) G Reyneke – South Africa – Nutrition of the *Clivia*
  - e) Christo Lötter – South Africa – Hydroponic culture of *Clivia*
  - f) Fransie Hancke – South Africa – The genetics of flower culture in *Clivia miniata*
  - g) Wessel Lötter – South Africa – Growing Hybrid *Clivia*
  - h) Keith Hammett – New Zealand – Whither Clivia Club?
  - i) Yoshikazu Nakamura – Japan – *Clivia* in Japan
2. 1998 – 19 and 20 September 1998 at the Kirstenbosch National Botanical Garden, Cape Town

### The purpose of the conference was:

- a) To explore the challenges and opportunities for the growing of *Clivia*, and
- b) To focus on the potential for developing *Clivia*.

### Programme:

- a) Opening – John Winter – South Africa
- b) Dr Johan van Huylbroeck – Gent, Belgium – Commercial production of *Clivia miniata* regels: Control of plant development and flowering
- c) Dr Jeff Finnie – South Africa – Tissue culture of *Clivia*
- d) Yoshikazu Nakamura – Japan – *Clivia* breeding in Japan
- e) Christo Lötter – South Africa – The propagation of *Clivia*
- f) Pierre de Coster – Belgium – History of *Clivia* in Belgium: Commercial production & selection of *Clivia* in Europe





# CLIVIA CONFERENCE 2002

## SATURDAY, 7<sup>TH</sup> SEPTEMBER

- 7:45 AM Registration in Conference Hall
- 8:30 AM Introduction by Brian Tarr (Conference Chairman)
- 8:30 AM **Dr John Rourke** – The Discovery of the Clivia Mirabilis
- 9:00 AM **Mr John Winter** – Collecting Clivias in their Natural Habitat
- 9:30 AM **Mr Ken Smith** – Clivias in Australia
- 10:00 AM **QUESTIONS & DISCUSSIONS**
- 10:30 AM **TEA** – served in the Grill Room
- 11:00 AM Introduction of Speakers by Mr Etzel Nuss
- 11:00 AM **Dr Neil Crouch** – Clivias in Ethno Medicine
- 11:30 AM **Dr Harold Koopowitz** – Color Pigment in Clivias
- 12:00 PM **Mr Aart van Voorst** - Polypoidy in Clivia
- 12:30 PM **QUESTIONS & DISCUSSIONS**
- 1:00 PM **LUNCH** - served in the Grill Room
- 2:00 PM Introduction of Speakers by Mr Conrad Vermaak
- 2:00 PM **Dr P. Robertse** – Leaf formation and its relation to flowering in Clivia Min.
- 2:30 PM **Mr Shige Sasaki** – Clivias in Japan
- 3:00 PM **TEA** – served in the Grill Room
- 3:30 PM **Mr Jim Comstock** – 3D slide presentation on Californian Clivias
- 4:30 PM **QUESTIONS & DISCUSSIONS**



KwaZulu-Natal - "clivia country"

Conference Chairman & Manager: Brian Tarr • PO Box 21687 • Mayor's Walk • 3208 • South Africa  
 Tel: +27 (0)33 344 3585 • Fax: +27 (0)33 344 1284 • E-mail: gnat@futurenet.co.za  
 Conference Secretary: Terri Chubb • PO Box 126 • Eston • 3740 • South Africa  
 Tel & Fax: +27 (0)31 781 1978 • E-mail: terric@iafrica.co.za  
 Website: www.info@cliviakzn.co.za

- g) Dr Keith Hammett – New Zealand – Research in *Clivia* chromosomes
- h) Kenneth Smith & Pen Henry – Australia – *Clivia* in Australia
- i) Nick Primich – South Africa – Variations in *Clivia*
- j) Bill Morris – Australia – Genetics of flower colour in *Clivia miniata*
- k) Kees Sahin – The Netherlands – Experiences with *Clivia* around the world

The search started for a conference logo in all seriousness.

### 3. 2002 – 7 September 2002 at the Royal Show Grounds Pietermaritzburg, KwaZulu-Natal

The theme of the conference was:  
“A Celebration of *Clivia*”.

#### Programme:

- a) Opening
- b) Dr John P Rourke – South Africa – The discovery of the *Clivia mirabilis*
- c) John Winter – South Africa – Collecting *Clivia* in their natural habitat
- d) Ken Smith – Australia – *Clivia* in Australia
- e) Dr Neil R Crouch – *Clivia* in ethno medicine
- f) Dr Harold Koopowitz – USA – Colour pigment in *Clivia*
- g) Aart van Voorst – The Netherlands – Polyploidy in *Clivia*
- h) Dr PJ Robbertse – South Africa – Leaf formation and its relation to flowering in *Clivia miniata*
- i) Shige Sasaki – Japan – Variegated *Clivia* in Japan
- j) James Comstock – USA – 3D slide presentation on Californian *Clivia*

### 4. 2006 – 6 and 7 September 2006 at the Pretoria CSIR Convention Centre, Pretoria

#### Programme:

- a) Opening – Chris Vlok – South Africa
- b) John van der Linde – South Africa – Discovering *Clivia* – Some *Clivia* and the men who found them
- c) Hein Grebe – South Africa – A photographic expedition to the *C. mirabilis* populations of the Northern Cape
- d) A Rashid Qureshi – USA – Diversity of *Clivia*: Plant genetics
- e) Johan Spies – South Africa – Genetic aspects of *Clivia* breeding
- f) Aart van Voorst – The Netherlands – Ploidy research in *Clivia*: An update with new results
- g) Helen Marriott – Australia – *Clivia* in culture: Nakamura’s contribution to *Clivia* breeding
- h) Tony Barnes – New Zealand – *Clivia* in New Zealand





- i) Song Xueguan – China – *Clivia* in China
- j) Rudo Lötter – South Africa – *Clivia* in colour – Colour in *Clivia*
- k) Sean Chubb – South Africa – A practical approach to colour breeding in *Clivia miniata*
- l) Victor Murillo – USA – Breeding the Victorian peach
- m) Joe Dana –USA – Recording *Clivia*: His collection and pollen banking as an aid to breeding
- n) Roger Fisher – South Africa – The seeing hand: The genus *Clivia* depicted
- o) Ian Coates – United Kingdom – Photography: For the record ... for science and ... for display
- p) Ken Smith – Australia – Registration of *Clivia*

5. 2010 – 21 and 22 September 2010 at the Bellville Sanlam Conference Centre, Voortrekker Road, Bellville

The theme of the conference was: “*Clivia – Looking Back at the Heritage and History of this Beloved Plant*”.

**Programme:**

- a) Opening – Johan Spies – South Africa
- b) Wayne Haselau – South Africa – The heritage of *Clivia nobilis*
- c) Francois van Rooyen – South Africa – The heritage of *Clivia gardenii*
- d) John Winter – South Africa – The heritage of *Clivia miniata*
- e) Lena van der Merwe – South Africa – The heritage of the Clivia Society
- f) Ian Coates – United Kingdom – The heritage of *Clivia mirabilis*
- g) Creig Russell – South Africa – The heritage of the Blackbeards
- h) Sean Chubb – South Africa – The heritage collection
- i) Pierre de Coster – Belgium – The heritage of *Clivia* in Europe
- j) Helen Marriott – Australia – The heritage of *Clivia* in Asia
- k) Kenneth R Smith – Australia – The heritage of *Clivia* in Australia
- l) Frank Maleka – South Africa – Colour formation in *Clivia*
- m) Ferozah Conrad – South Africa – The evolution of the genus *Clivia*
- n) Roger Dixon – South Africa – Relationships in the genus *Clivia*
- o) Paula Spies – South Africa – Genetic variation in *Clivia*
- p) Frank Maleka, J Mafofo, DJG Rees, Koos Albertyn & Johan Spies – South Africa – Identifying genes involved in colour formation in *Clivia*
- q) Paula & Johan Spies, Hesmari van der Westhuizen, Suzanne Stegmann, Marli Watson – South Africa – Implications of the research results for *Clivia* lovers

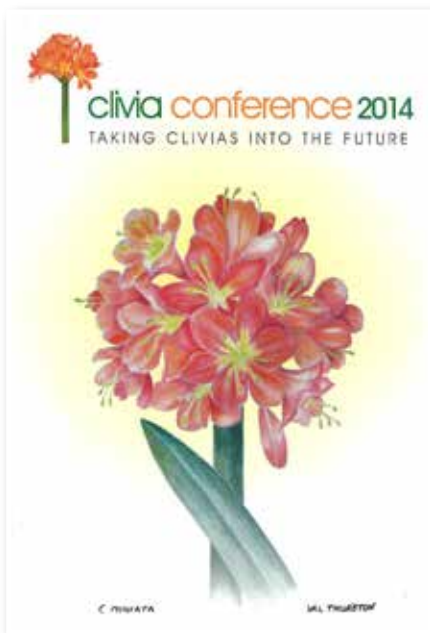
6. 2014 – 18 September 2014 at the Royal Show Grounds Pietermaritzburg, KwaZulu-Natal

The theme of the conference was: “*Taking Clivia into the Future*”.

**Programme:**

- a) Opening – Glynn Middlewick – South Africa
- b) Prof MD Laing & C Becker – South Africa – The cause and control of *Clivia* diseases
- c) Prof Johan & Paula Spies – South Africa – Genetic research
- d) Ute Jacobs – *Clivia* feeding
- e) Alick McLeman – New Zealand – *Clivia*: A bright future in New Zealand





- f) Sean Chubb – South Africa – Taking *Clivia* colours into the future
- g) Pikkie Strumpher – South Africa – Selective breeding
- h) Wayne Haselau – South Africa – Apple blossom Complex
- i) Felix Middleton – South Africa – Hybridization & genetics & line breeding

2018 – We all hope for an excellent flowering year when this seventh conference will be held in Johannesburg with the theme "*Clivia – Keep the Changes Coming ...*". ▼



## CLIVIA PHOTOGRAPHIC COMPETITION FOR YEARBOOK 19

Please do send Joubert your thoughts in respect of ideas for categories and other ideas you may have to make the photo competition more lively to [myclivia@iafrica.com](mailto:myclivia@iafrica.com) ▼

## 2017 Membership fees of the Clivia Society

Three Clivia newsletters and a Yearbook are issued to paid-up members each year.

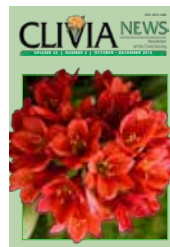
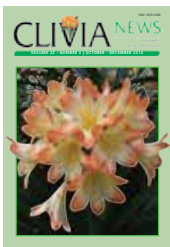
No. Groups, Clubs or International individuals		2017
1. Australia: Pay to Lisa Fox in Australia: lisa.fox@gmail.com	US\$65.00 for 3 years or	US\$25.00
2. International members: Pay to Sakkie Nel: corgas@vodamail.co.za	US\$65.00 for 3 years or	US\$25.00
3. New Zealand: Pay to Tony Barnes in NZ:tony.john@xtra.co.nz	US\$65.00 for 3 years or	US\$25.00
4. United Kingdom members: Pay to Sakkie Nel: corgas@vodamail.co.za	US\$65.00 for 3 years or	US\$25.00
5. United States: Pay at <a href="http://www.northamericancliviasociety.org">www.northamericancliviasociety.org</a> United States: Correspondence to: David Loysen: shawhill208@gmail.com	US\$65.00 for 3 years or	US\$25.00
6. RSA Club Treasurers: Pay to the Clivia Society	No reduced rate for 3 year membership	R150.00

Students and scholars pay only 50% of the above-mentioned membership fees.

All fees received in advance by Clubs and Groups must please be paid over to the Clivia Society, with particulars of the members' names, to ensure easy and correct record keeping.

Overseas members: The Clivia Society's PayPal particulars:

Payment to: The Clivia Society: email address: [corgas@vodamail.co.za](mailto:corgas@vodamail.co.za)



No. Publication	Price
1. Yearbook 1, 3, 5 – 18 each POSTAGE INCLUDED	US\$10.00
2. Digital copy of yearbook 2 & 4 (Both out of print)	US\$5.00
3. Ten or more copies of yearbooks by a Club or Group each POSTAGE EXTRA	US\$9.00
4. Book: Cultivation of Clivia each POSTAGE INCLUDED	US\$15.00
5. Ten or more copies of Cultivation of <i>Clivia</i> by a Club or Group each POSTAGE EXTRA	US\$14.00
6. Book : Kweek van Clivia each POSTAGE INCLUDED	US\$15.00
7. Ten or more copies of Kweek van <i>Clivia</i> by a Club or Group each POSTAGE EXTRA	US\$14.00
8. Clivia Color Chart II each POSTAGE INCLUDED	US\$20.00
9. Book: Illustrated Terms and Definitions for describing <i>Clivia</i> each POSTAGE INCLUDED	US\$27.50
10. Book: Illustrated Terms and Definitions for describing <i>Clivia</i> each POSTAGE INCLUDED FOR RSA	R390.00
11. Clivia Newsletters : Digital copies on website: <a href="http://www.cliviasociety.org">www.cliviasociety.org</a>	No charge

## **Advertisement costs in Clivia News (Three editions per calendar year)**

1. Smalls – 1 to 6 lines	US\$3.00
2. Smalls – 7 to 10 lines	US\$5.00
3. Quarter page – 65 mm wide x 100 mm deep	US\$10.00
4. Half page – 130 mm wide x 100 mm deep	US\$18.00
5. Full page – 130 mm wide x 185 mm deep	US\$35.00
6. A5 single page insert supplied by advertiser	US\$40.00
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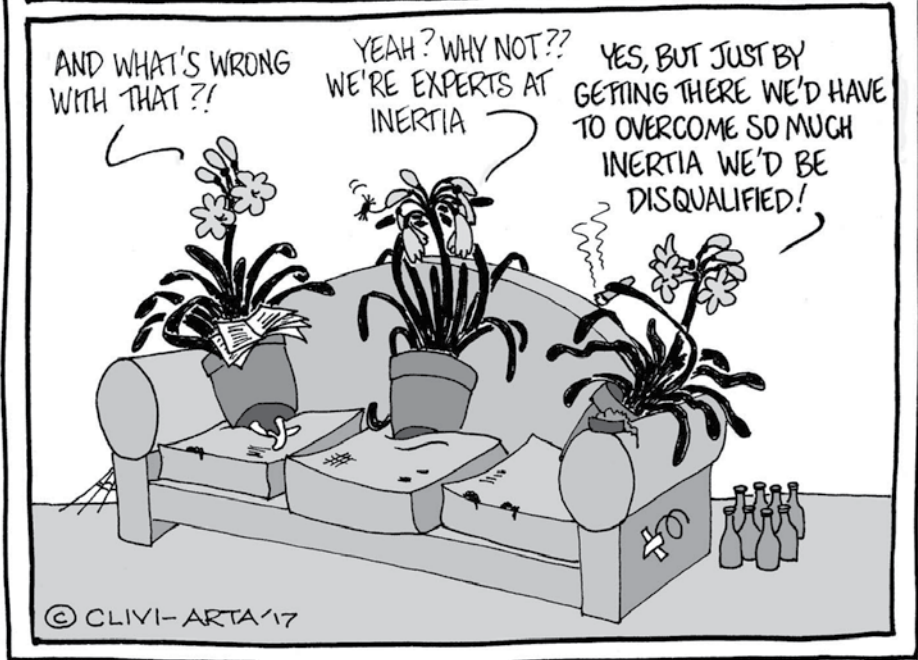
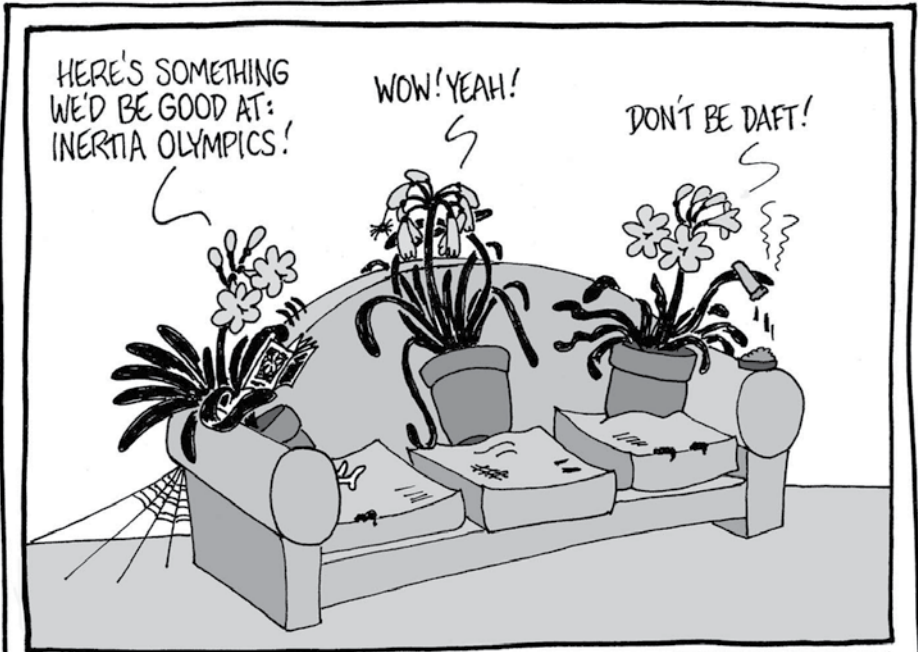
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