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CLIVIA



NEWS

Quarterly Newsletter
of the Clivia Society

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The Clivia Society 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 quarterly 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 in the inside back cover.

The objectives of the Clivia Society

1. To coordinate 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 advance 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 above-mentioned objectives.

More information on the Clivia Society available on
www.cliviasociety.org

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ADVERTISEMENTS

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

The Clivia Society Newsletter started as a black on 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 a frequency of 3, 5, 8 & 5 during the first 4 years, using the publication month in the volume.

The frequency was fixed on four annually 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 first three used yellow paper as cover. 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 reverted to a quarterly number.

CLIVIA NEWS is the continuation of this series.



EDITORIAL

Happy birthday Auriol Battan. Thank you for all the years of creating beautiful botanical artworks, including, amongst others, the drawing of the *Clivia nobilis* that appears on the 16c Ciskei stamp (1988). Auriol was born in 1918 in Pietermaritzburg and obtained a B.Sc. and an H.E.D. from Natal University (1937). According to a tribute to Auriol, published by the Ann Bryant Art Gallery in 2011, her interest in flower painting stems from the encouragement of her parents and two inspirational art and botany teachers at school.

I have been wondering about the concept 'the future' recently from a number of perspectives: life, family, relationships, work, Clivias, amongst others. It is interesting how different cultures conceptualise time – which we get a sense of from the use of language by a particular culture. If I recall correctly Latin had six 'time buckets' – things were not as simple as past, present, and future. Getting back to the future, I sometimes think of the future in a number of 'to-do list' buckets like: during the next hour, today, in this week, during the month, in the next six months, in this year, in the next two years, in the next five years, in ten years' time, and finally it just becomes one day – somewhere in the future. We think of the things we hope for or fear in the future, the things we want or expect from the future, or see or need in the future. John Scully is quoted to have said that the future belongs to those who see possibilities before they become obvious.

Someone once said something along the lines of 'the past does not dictate the future, but it sets the rhyme'. If we bring this to the world of Clivia, what do we think we can infer about the future based on our past and present knowledge of all the Clivia forms in existence that have not been 'touched' by mankind as a



COVER PHOTO – Sean Schickerling's
Splash x Tango

pollinating vector? One thing that certainly is clear to me is that a huge amount of variation (i.e. high variance) has been produced – in a sense one might say 'individualisation' happens naturally. We humans then start participating, not only by removing 'individualised' plants from the wild (as their uniqueness attracts us and/or as uniqueness has value) but also by breeding and selecting for characteristics we 'prefer' – further pushing the uniqueness envelope. It would seem that often, when we cross highly 'individualised' plants, we get right back to the orange form – albeit now 'split' for the individualised parents. In a manner, the question about where we are going is potentially about where individualisation can take us. "Make no small plans for they have no power to stir the soul." – Niccolo Machiavelli.

In the process of carrying the baton from the past to the future we experience the present. So make no small plans for your current and future pollinating to-do lists!

I am looking forward to the yearly Society AGM in May, hearing about progress made in various of the portfolios and, most importantly, seeing various friends from around the Clivia world. ▼

Joubert van Wyk

Editor - Clivia News

RS. Cut-off date for submissions for the second Clivia News of 2013: June 15

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CLIVIA SOCIETY

Notice to Constituent Clivia Clubs of an Annual General Meeting of the Clivia Society to be held on Saturday, 18 May 2013 at Anton van Wouw Primary School in Pretoria, South Africa

Dear Members

Allow us to share information regarding the AGM of the Clivia Society to be held in Pretoria, at Anton van Wouw Primary School on Saturday, 18 May 2013:

PROGRAM

SATURDAY, 18 MAY

10:00 Gardenii display

13:00 Light lunch

14:00 Annual General Meeting

17:00 Refreshments

18:00 Auction

All correspondence should be forwarded to the Society at one of the following addresses:

Clivia Society, P O Box 74868, Lynnwood Ridge, 0040

Fax: +27 12 804 8892; Email: cliviasoc@mweb.co.za

CLIVIA 15. By Christo Topham, Chairperson

We are in preparation for the next issue of the Clivia Yearbook.

YEARBOOK CONTRIBUTIONS

We need authors to submit material as the success of Clivia 15 depends on the contribution we receive from clubs and members.

PHOTOGRAPHIC COMPETITION

Categories: (The judges reserve the right to change this.)

- C. miniata flowers (trumpet forms)
- Pendulous species & Inter-specifics (tubular forms)
- Novelty plants and flowers (leaf, plant or flower)
- Single flower
- Clivia in habitat
- Clivia art photography

Photos must be on a CD, and preferably separated into folders (using the respective category names). Also please send digital photos of 2012 show pictures and entries with WELL LABELLED digital photos on a CD which clearly indicate:

- Grower (Full name)
- Breeder (Full name)
- Breeding of plant
- Registered name (if applicable)
- Prize awarded (if applicable)
- Photographer (Full name)

The articles and photos for the competition must reach Christo Topham before end of May 2013.

If your Club Representative to the AGM could bring the material it will help the editor!

Or post them to:

Christo Topham, P O Box 54478, Ninapark, PRETORIA, 0156. ▼

Club shows 2013

By Sakkie Nel, Treasurer and Public Relation Officer

NAME OF CLUB	DATES FOR 2013	TIMES	VENUE	ENTRANCE FEES	CONTACT PERSON/S
Longwood Gardens NACS	9-10 March 2013 Guest speaker: Tony Barnes CLIVIA SHOW & PLANT SALES	Saturday: 12:00-17:00 Sunday: 12:00-17:00	Longwood Gardens, 1001 Longwood Road Kennett Square, PA US	Fee of Longwood Gardens Payable	Alan Petravich apetravich@ longwoodgardens.org
Huntington Gardens NACS San Marino - California	16-17 March 2013 10th ANNUAL CLIVIA SHOW & SALE Guest speaker: Tony Barnes	Saturday: 10:30-16:30 Sunday: 10:30-16:30	The Huntington Library, Art Collections & Botanical Gardens, 1151 Oxford Rd. San Marino, C A USA	\$10,00 to \$20,00 Fee of Huntington Gardens Payable	Norm Nakanishi normlegend@hotmail.com
Japanese Clivia Society KwaZulu Natal Clivia Club Pietermaritzburg	31 March 2013 11 May 2013 <i>Gardenii</i> SHOW & PLANT SALES	Sunday Saturday: 9:00-15:00	Mitsuhashi farm Kloof Town Hall Old Main Road Kloof	TBD R10,00 per person over 12 years old	HMitsuhashi or Mr Sasahi John H: 083 660 1275 Angie S: 083 452 8451 ValT: 072 464 5212
Northern Clivia Club Pretoria with AGM of Society Lowveld Clivia Club Nelspruit	18 May 2013 <i>Gardenii</i> DISPLAY & AUCTION 27 July 2013 Interspecific Clivia & Miniata without flowers SHOW & MARKET	Saturday: 10:00-13:00 Saturday: 9:00-13:00	Anton van Wouw Primary School, C/o Dey & Lange Streets, New Muckleneuk Lowveld Botanical Garden- Environ. Educ. Centre-on R40 road to White River	No Charge	Marlene T: 082 799 4746
Northern Clivia Club Pretoria KwaZulu Natal Clivia Club Pietermaritzburg Northern KwaZulu Natal Interest Group New Castle	20 July 2013 INTERSPECIFIC CLIVIA SHOW 20 July 2013 Interspecific Clivia SHOW & PLANT SALES 31 August 2013 CLIVIA SHOW & PLANT SALES	Saturday: 10:00-13:00 Saturday: 09:00-15:00 Saturday: 09:00-16:00	S A Police Forensic Lapa Pretoria Road, Silverton Kloof Town Hall Old Main Road, Kloof Waterside, Newcastle On the N11 to Ladysmith	No Charge R10,00 per person over 12 years old No Charge	Marlene T: 082 799 4746 ValT: 072 464 5212 John H: 083-660 1275 A J G Everson: 082 373 4620
Bosveld Clivia Int. Group Polokwane	31 August 2013 CLIVIA SHOW & PLANT SALES	Saturday: 08:30-16:00	Genl. Piet Joubert Hoerskool, Groblerstraat, Polokwane	R15,00 per person over 18 years	Willem N: 082 879 8305 Madeleine N: 082 899 1287

Vryheid Clivia Int. Group	7 September 2013 CLIVIA SHOW & STALLS	Saturday: 09:00–15:00	New Republic School, c/o Utrecht & Republic Streets, Vryheid	No Charge	Leon van Rooyen: 082 886 8197 Christo T.: 082 497 5879
Northern Clivia Club	7–8 September 2013 CLIVIA SHOW, MARKET & AUCTION	Saturday: 09:00–16:30 Sunday: 09:00–14:00	Anton van Wouw Primary School, C/o Dey & Lange Streets, New Muckleneuk	R15.00 per person over 12 years old	
Lowveld Clivia Club	7–8 September 2013 CLIVIA SHOW & MARKET	Saturday: 09:00–17:00 Sunday: 09:00–15:00	Lowveld Botanical Garden– Environ. Educ. Centre–on R40 road to White River	R15.00 per person over 12 years old	Maria G.: 083 475 1176 Paul K.: 079 493 1719 Greg J.: 083 702 3452
Cape Clivia Club	7–8 September 2013 CLIVIA DISPLAY & PLANT SALES	Saturday: 9:00–17:00 Sunday: 09:00–16:00	Sanlam Hall, Kirstenbosch Botanical Garden, Newlands	Gate entry fee of Kirstenbosch	John W.: 082 575 7202 Ian B.: 021 689 3901
Northern Free State Clivia Club – Welkom	14–15 September 2013 CLIVIA DISPLAY & PLANT SALES	Saturday: 08:00–16:00 Sunday: 09:00–13:00	Technical College Welkom	R10.00 per person over 12 years	Hannes v R.: 083 367 71 13 057 388 1562
Free State Clivia Club	14 September 2013 CLIVIA SHOW, STALLS & TEA GARDEN	Saturday: 8:00–15:00	Sand du Plessis Secondary School, Currie Avenue, Bloemfontein.	R10.00 per person Children R5.00	Jan S.: 051 522 5514 083–257 5151 Hennie v d M.: 051 522 9530 083–51 1 9519
KwaZulu Natal Clivia Club, Pietermaritzburg	14–15 September 2013 CLIVIA SHOW & PLANT SALES	Saturday: 09:00–15:30 Sunday: 09:00–15:00	Royal Show Grounds Pietermaritzburg	R10.00 per person over 12 years old	Val T.: 072 464 5212 031 763 5736 John H.: 083 660 1275
Joburg Clivia Club	14–15 September 2013 CLIVIA SHOW & SALES	Saturday: 08:30–17:00 Sunday: 09:00–16:00	Garden World Nursery, M5 Beyers Naude Drive, Muldersdrift	R10.00 per person over 12 years old	Bram: 011 475 2386 Glynn M.: 082 650 1463 Glynn Even: 011 476 1463
Toowoomba Clivia Society, Inc	20 – 25 September 2013 ANNUAL CLIVIA SHOW & PLANT SALE	Friday to Wednesday 09:00–17:00 each day Saturday: 10:00–16:00	Toowoomba TAFE Horticultural Collage Lindsay St. Toowoomba QUEENSLAND, Australia	Entry is free	Eileen Zahnow: 0754656565 Mobile: 041 3136861 or Brian Steven: brianmerle@ozemail.com.au
TCS Melbourne Clivia Group, Inc MCG	21 September 2013 CLIVIA EXPO	Saturday: 10:00–16:00	Uniting Church, c/o Burwood Hwy & Blackburn Rd, Burwood VICTORIA, Australia	Entry is free	MCG secretary 0410 929 510 email: secretary@melbournecliviagroup.org.au

KZN Clivia Club Highway Interest Group Kloof	21 September 2013 CLIVIA SHOW & PLANT SALES	Saturday: 09:00–15:00	Kloof Town Hall, Old Main Road Kloof	R 10.00 per person over 12 years old	Mike C. 083-651 0937 Val T. 031-763 5736 072-464 5212 Joy W: 021-671 7384 Clayton J: 083-267 7206
Cape Clivia Club Bellville, Cape Town	21 – 22 September 2013 CLIVIA SHOW & PLANT SALES	Saturday: 09:00–17:00 Sunday: 09:00–16:00	Tygerberg Valley Centre, Durban Road, Bellville	R 15.00 per person over 12 years old	
Eastern Province Clivia Club – Port Elizabeth	21 – 22 September 2013 CLIVIA SHOW, AUCTION, STALLS & TEA GARDEN	Saturday: 08:30–17:00 Sunday: 08:30–14:00	Sherwood Garden Centre, Walker Drive, Sherwood, Port Elizabeth	R10.00 per person over 12 years old	Willie le R: 041-360 3480 Tienie W: 073 964 8063
Border Clivia Interest Group, East-London	28– 29 September 2013 SHOW & CLIVIA MARKET	Saturday: 09:00–16:00 Sunday: 09:00–12:30	Pioneer Nursery, Gonubie	To be decided	Glenn M: 071 421 7812 Peter M: 083 463 6229
Overberg Clivia Interest Group, Hermanus	27 – 28 September 2013 CLIVIA SHOW & SALES	Friday: 09:00–17:00 Saturday: 09:00–16:00	Round Hall, Dutch Reform Church, Hermanus Central, – Opposite to Absa Bank	R 10.00 per person over 12 years old	Felicity W: 078 710 9485 Felicity W: 028 316 3092
Cape Clivia Club Cape Town	28 – 29 September 2013 CLIVIA DISPLAY	Saturday: 09:00–17:00 Sunday: 09:00–16:00	Sanlam Hall, Kirstenbosch Botanical Garden, Newlands	Gate entry fee of Kirstenbosch	John W: 082 575 7202 Ian B: 021 689 3901
Garden Route Clivia Club George	28 – 29 September 2013 CLIVIA SHOW	Saturday: 08:00–17:00 Sunday: 08:00–15:00	Outeniqua Primary School, c/o Cradock & Cathedral St. George	R 10.00 per person School pupils free	Ida Esterhuizen: 072 613 6066
New Zealand Clivia Club Auckland	5 October 2013 CLIVIA SHOW & STALLS	Saturday: 09:00–15:00 Sunday: 13:00–16:00	Auckland Botanic Gardens Hill Road, Manurewa Plant Struck Nursery	No Charge	Alick McLeman 09-5213062
New Zealand Clivia Club Tauranga	6 October 2013 CLIVIA SHOW & STALLS	Saturday: 10:00–15:00	Te Puna Road, Te Puna Knox Church Hall, 524 Devon St East, Fitzroy, New Plymouth	No Charge	Jude Shapland 07-5520661 Tony Barnes 06-7527873
New Zealand Clivia Club New Plymouth	12 October 2013 CLIVIA SHOW & STALLS			No Charge	

CLIVIA BREEDING

Some thoughts on Clivia breeding

By Charl Malan

I acquired my love for plants from my parents who were large garden gardeners and who loved and grew South African plants, especially the Fynbos and of course Clivias in large swathes.

My first Clivia was a garden orange which I dug up on our farm in Patensie in 1978 when at the University of Port Elizabeth. I planted it in an asbestos pot and kept it outside our flat where it flowered profusely every year. After my graduation, I took it back to the farm, broke the pot and planted it back in exactly the same spot whence it came. There was not a gram of soil left in the pot, only a solid root mass.

In 1993, on the recommendation of Graham Duncan (SANBI), I started corresponding with Mr. Yoshikazu Nakamura. We exchanged much Clivia material and the plants grown from his seed, still form the core of my collection.

My personal favourites are the Interspecific hybrids, Ghosts, Group 2 yellow hybrids and Greens and Reds.

After visiting him in Japan (Clivia 5 P. 83), I was motivated to hybridize *C. nobilis* with all the different types of variegated Clivia. (Clivia7 P. 45)

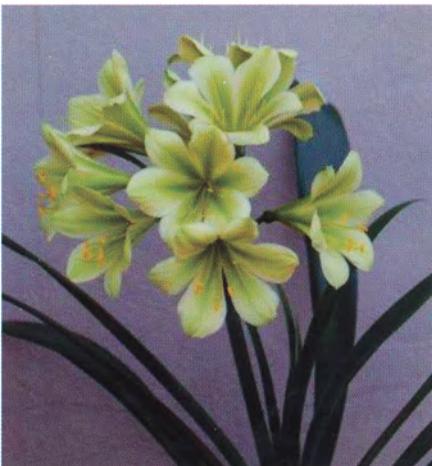
The results have inspired me even more, and this is my pet project.

The late Mick Dower, who was editor of the Clivia Yearbook for a number of years, encouraged me to research Gladys Blackbeard, a one time resident of Grahamstown where I have lived with my family for 28 years. This opened up a whole new world for me and led to a number of articles on various aspects of her life and was followed by the further work done by Greig Russel and others. (Clivia 12 P. 35)

Visits by many breeders and enthusiasts to *Clivia nobilis* habitat, have brought me into contact with friends from all over the world and inspired me to find and visit populations all over the Eastern Cape. Another great joy for me has been my involvement with the Eastern Cape Clivia Club and their meetings and shows.

Apart from multiple show winners in PE over the years, I have also been fortunate to be awarded Best on Show in East London, Cape Town and of all places, Johannesburg! In 2011 we had our 1st cold winter in seven years and the Clivia flowered 6 weeks earlier than usual. This allowed me to travel to Joburg to show. My success is a tribute to the quality of the Nakamura material in my breeding programme.

The challenges encountered by Clivia growers have come my way also:



Emerarudo



Emerarudo



Ghost no. 2



Interspecific no. 62

- Too many seedlings to transplant in limited space. I am only now forcing myself to cull (after 20 years!)
- Pests and diseases of all descriptions
- Visitors at all times of the day and night - the family has a book of stories about this
- Flop photos - wait for next year.

However, the joy Clivia has given me outweighs this by far and I am still in awe when each flowering season dawns, with the excitement of seeing new hybrids. My pride and joy in 2012 was Emerarudo (Emerald in Japanese), a hybrid of [TK original x Hiraō] x Charls Green.

My most successful and satisfying breeding has been with the Ghosts. All my original Ghost material is split for Vico Yellow (heterozygous) so apart from producing superb Ghosts from the pigmented plants, you also obtain quality yellows. See photo of Le-ne named for my wife. It is one of my better Ghost crossings.

My latest project involved breeding superior pink Ghosts using Vico Peach. The results are eagerly awaited. The other project which should start producing flowers in 2013 is the one involving Chari's green and Vico Yellow/Vico Peach.



Le-ne



No 16 Emma Charlotte



No 54 Charls Green x Vico Peach



Yellow C. Nobilis

The main aim is to produce large green flowers with the superior Vico Characteristics.

The best advice I can offer to any young person who wants to become a serious Clivia Grower is to:

1. Get to know the Clivia groups and their genetic makeup
2. Get a basic working knowledge of genetics
3. Study the work already produced by the Clivia community
4. Understand the power of pollen (you can get some by smelling the flowers at the show)
5. Befriend helpful club members in your own

town/province

6. Buy good quality seed from reputable growers. This is still the cheapest way to get started
7. Have PATIENCE. You cannot buy it
8. Have clear-cut goals of what you want to achieve
9. Get lots of space and semi shade.

As more breeding results between Clivia groups become available. I made a point of acquiring plants split for both group 1 and 2. This allows one to select both ways and then one cannot wait to see the results. ▼

Max Mackay Australian Clivia breeder and the 'Shirley Hardman' strain

By Sean Schickerling

I have had the privilege of meeting Max Mackay for the first time two years ago a gracious human being with a love for growing plants. Max Mackay is one of the

Clivia worlds lesser known Clivia masters a retired nurseryman, orchid grower and plant lover. He also has a keen eye for flower arrangements and loves showing his chooks. Max has a unique Clivia



New Dawn

PHOTO BY GLENN CALLCOTT



Shirley Hardman Big X Shirley Hardman Splash

collection his clivias has outstanding colouration and size. They are a step apart from many other Australian collections.

Max's Clivia collection had a simple start and back then not much was known about breeding clivias. Max did not know of anyone else breeding clivias and at the time wanted to increase his Clivia collection. He wanted to tap into the genetics and see what would happen when he bred the plants with each other. Max started breeding clivias in 1963 almost 50 years ago, after buying out a nursery that was going out of business. In the collection were two orange clivias of unknown origin.

One had flowers which were "upright" and one had flowers which were reflexed. Max says that neither was particularly remarkable. Anyone breeding Clivia knows that patience is a key requirement for success Max was in no hurry back then just going along breeding his Clivia. The breeding project began by crossing the two clivias and he selected for size, shapes and variations in colour in the subsequent generations. He did not push them and they took about 5 years to flower.

The resulting F1 hybrids were all orange-flowered not much better than their parents. He only kept



Shirley Hardman Spalsh



*Shirley Hardman
Splash X Big*

Shirley Hardman Splash X Big (Max)



Shirley Hardman X Good Shape (Max Best Shape)



Shirley Hardman

a few he liked and sold the rest at his nursery. Max decided to keep improving the seedlings he kept and he intercrossed the F1 generation. The F2 flowered orange again with some variation and slightly better flower shape again he kept the best ones and sold the rest. Crosses were made between the best orange seedlings from the F2 generation.

Max kept on crossing the siblings and selecting the best flowers. These crosses resulted in plants with large orange flowers and better than the original orange-flowering parents. Many of the progeny had outstanding flower form and size. The best one of these Max kept aside.

Max's assistant and good friend helped him at his nursery. She watered and cared for his plants. She loved one plant in particular, the Clivia Max put aside. When she suddenly passed away, Max decided to name the Clivia after her: Shirley Hardman. The Shirley Hardman strain has offspring with big bold flowers, long petals or flowers with shorter overlapping petals and big yellow/white centres.

The reflex petal trait from the original two

plants Max used, can be seen in some of the current offspring.

Clivias never cease to surprise and always dish up a new surprise just when you least expect it.

From the same line as the Shirley Hardman strain unusual seedlings emerged from the breeding program. These flowered a few years after Shirley Hardman. Two of these are Splash and Big and they are as spectacular as Shirley Hardman. This led to a new selection goal. Max has crossed SH Splash x SH Big with some amazing results. The seedlings seem to keep the splash trait with big yellow/white centres.

Some other plants Max kept aside and named are Good Shape, Nice Type, Big, Splash and Streaky.

Max is still breeding clivias just on a smaller scale. Max has been very generous and has shared some of his offsets and seedlings with fellow Clivia breeders. Shirley Hardman has a known track record for producing offspring which are outstanding. The offspring always resemble Shirley Hardman in some way being it flower shape size splash petals or a large



Splash X Big (2)



Splash X Big (3)



Splash X Big (5)



Splash X Big (6)



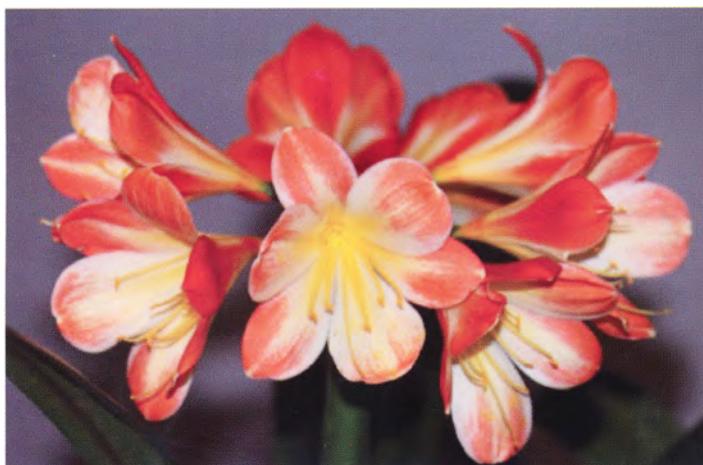
Splash X Big

white throat. Even after all this breeding there is still variation in the strain, who knows what breeding with more modern strains will dish up? Shirley Hardman Splash X Roly's Chiffon?

Max has definitely bred some outstanding Clivia strains. So this is all Max's work, derived from limited genetic material, without any influence

from some of the modern strains. He should be recognised as one of the great Australian Clivia pioneers. I just wanted to say "I love your work Mate"!

Shirley Hardman Splash had the opportunity of mixing "blood lines" with another Clivia icon Tango. ▼



The resulting seedling is called Chiquitita. (Splash X Tango = Chiquitita)

Results of crosses with my first two picotees

By *Carrie Kruger Utopia Clivias*

My first two picotee type plants came out of a batch of mixed hybrids that were bought in from a wholesale nursery in 2004.

Carrie's Picotee was the first to flower in 2004 and although it had smallish flowers, the colours were at that time very unusual. It was an instant attraction at the first Garden Route show we had in 2004. Although I did not show the plant, I took it and put it on display for the public. At that time, picotee type flowers were still very rare and this one caught the attention of many collectors. Unfortunately I had nothing similar to cross this plant with and I ended up selfing it, with a poor seed set result.

In 2005, my son Luke spotted a similar coloured flower between those hybrids and we named it Luke's Picotee. It won best in the unusual colour class at both the EP and Garden Route shows. It was more of a bi-colour, but still the closest I had to cross with Carrie's Picotee. That year, as luck would have it, Carrie's Picotee

was not in flower, but I had saved pollen from the previous year. I pollinated Luke's plant with Carrie's Picotee pollen and hooray, a great seed set this time. A lot of these seeds were sold to collectors around the world and some of them were grown to flowering size by us.

The seedlings that were green stemmed, turned out to be yellows. This was proof that these plants were split for yellow when crossed with each other. The pigmented seedlings on the other hand were beautiful picotee type flowers of all shapes and sizes. Some had more picotee colouring than others. A lot of the original buyers of these seeds, have e-mailed me results and photos of their flowers.

I have been doing some F1 sibling crosses with these plants as well as pollinating them with other picotee type flowers of which the results will only show in a year or two. That is what makes growing clivias such an exciting hobby.

With thanks to Jim Black, Hugh Bollinger and Jim Mc Dermott. ▼



Carrie's Picotee 2005



David Olsen Picotee



LC Picotee



Luke's Picotee



Lukie's Picotee x Carrie's Picotee Jim Black



Lukie Picotee x Carrie Picotee 1



Lukie Picotee x Carrie Picotee 2



Lukie Picotee x Carrie Picotee 3 b



Lukie Picotee x Carrie Picotee 3 a

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REGULARS

Clivia over 12 months: Summer (1)*By Helen Marriott*

Over the coming issues this year, I will briefly introduce a sample of Clivia which have flowered in Melbourne, Australia during the preceding months for the purpose of illustrating how we can have buds, flowers and berries throughout all the year. When grown in pots, we are able to utilize Clivia as decorative plants in our homes during their flowering periods and have a non-stop display of their flowers. I also find it convenient to pollinate plants inside, thus it serves a dual purpose.

January and February are the second and third official months of summer in Australia, and these have been hot and dry months here in Melbourne for the start of 2013. During this time and at a latitude of 38 and longitude of 145 (cf. Johannesburg 26 and 28, and Cape Town 33 and 18 respectively), *C. caulescens* as well as nobilis interspecific hybrids (including

C. x cyrtanthiflora) have been the mainstays of the flowering Clivia. Alongside the occasional *C. caulescens* or *C. miniaa*, it is these interspecifics which regularly flower at this time, although in smaller numbers than during the winter months.

Figures 1 to 3 show a selection of *C. miniata* x *C. caulescens* hybrids which flowered during these two months (with the date of the photograph shown as year, month and day). These three plants have different colouration patterns in the inner flowers, with Fig. 2 being much more yellow (suggesting that it is perhaps an F2 or else crossed with yellow *miniata* a second time), while the flower in Fig. 3 has a cream border around the inner tepals. All three, however, exhibit roundish inner tepals. Some of these interspecifics are very large plants. For instance, the plant in Fig. 3 stands 103cm tall from the top of the pot to the tip of the tallest leaf and



Fig. 1 *C. miniata* x *caulescens* 'Hoop' 2013 01 06



Fig. 2 *C. miniata x caulescens* 2013 02 18



Fig. 3 *C. miniata x caulescens* 2013 02 26



Fig. 4 *C. x cyrtanthiflora* in garden 2013 01 10



Fig. 5 *C. miniata yellow x nobilis* 2013 01 27



Fig. 6 *C. minata* x *nobilis* variegated 2013 02 10

has leaves 7–8cm wide.

C. nobilis interspecific hybrids feature in Figures 4 to 6, and include *C. x cyrtanthiflora* which is found among a clump in the garden and which flowers periodically throughout the year. In comparison with the *caulescens* interspecific hybrids, they are somewhat more pendulous with slightly longer, narrower flowers. Also, different shades of the flowers can be seen Fig. 5, which appears to be a feature of *nobilis* interspecific hybrids.

I have also noted that all except one of the interspecific hybrids which have flowered during this period also flowered in winter last year, with most of them carrying a few berries, some of which were purposefully pollinated. ▼

RELATED

Jozua does it 'clivia style'

By Sue Kloeck

One of the youngest Lowveld Clivia Club's members, Jozua le Roux, especially chose the beginning of spring for his wedding date to his beautiful bride-to-be, Maryna. They unanimously agreed to choose clivias as the main floral decoration for the occasion.

Orange clivias lined the carpeted aisle to the wedding pergola in the beautiful surroundings of Hulala Lodge near White River. Jozua chose an orange green throated corsage for himself and his groomsmen. He chose yellow for the bouquets of the bridesmaids. For his wife a specially ornamented bouquet of peach, (his wife's favourite colour), surrounded by yellow and orange clivias. The entire bridal party had yellow or peach Clivia corsages.

There were clivias on all the tables in the reception hall and an impressive Clivia display donned the table of the bride and groom. Other decor specifications included hearts centred with single Clivia flowers. In memory of the joyous occasion all the guests were given a packet of Clivia seeds to take home and plant while some lucky couples were also able to take home an assortment of Clivia plants that were used to adorn the garden.

The inscription on the seed packet was: Thank you. Please plant these seeds and make them bloom. With love from the Bride and Groom.

We hope that Clivia enthusiasts throughout South Africa and abroad will, likewise, promote this spectacularly beautiful flower for suitable occasions. ▼



A Support for a Clivia

By Richard Austen

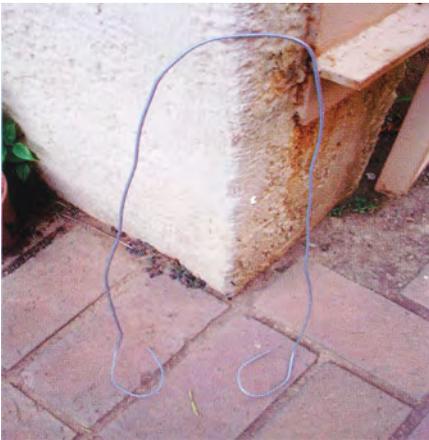
At the first Clivia Show that I attended in Pretoria in 1995 hosted by the Northern Clivia Club one of the stall holders was a plants-man and a Clivia grower. He had a large Clivia plant with 6 or 7 offshoots / suckers on a table. All the roots had been carefully washed so that there was just a huge mass of vegetation on the table.

"Shame on you !" I said. "Why are you allowing this poor Clivia to die with no soil and water around the roots?"

He laughed at me and said that there was little chance of that happening as the Clivia would be quite happy out of the soil for a few days. He

told me that he was giving a demonstration on how to divide Clivias and offered to demonstrate. Within seconds there was 7 or 8 people gathered around.

He pointed out the meristem and how a stalk grows out of the meristem to form a new plant some distance away. Leaves grow up and roots grow down and a completely new plant is created separate yet attached to the mother plant via this umbilical cord. First he checked if there were enough leaves and also that there would be enough roots and then by cutting through the umbilical cord with a sharp knife a separation was made. ▼



Then he did something very wise. He cut off the 2 lower leaves on each side leaving them about 100 to 120mm above the growing point advising not to pull these leaves off because support for the 3rd and 4th leaves would disappear and they would droop and, in turn, invite being pulled off – where would it all stop! He did this claiming that the leaves and roots were more in balance.

After that he presented the new plant to me and it still grows among my plants. It bears the name Mahalla (a free gift). Nothing special except the memory.

What that man didn't tell me was that not all offshoots are that easy to divide. Sometimes 4 or more plants grow directly out of the meristem and if you wish to divide them then the meristem itself has to be divided. I find that this is not very difficult as long as you do a little planning beforehand and you must have a fairly large, sharp knife. You have to try and make the cut so that the meristem is shared equally and of course the roots should be shared as equally as possible without cutting too many of the nearby roots off. Most of the time this all goes to plan but just occasionally, I'm not sure if it is due to my carelessness or whether the plant decides to dice with death, but equal sharing of the bits and pieces is not an option.

Invariably things go wrong when I deviate from the plan. Almost always this happens when I am halfway through the cut and I stop to have a rest and assess the situation from the other side. At this time I often have the thought that "Gee, this cut is more difficult than expected. Let me prize open the cut a little so the knife will move better." Or "Oh , the cut is nearly through and if I prize the. two halves apart the meristem will continue to split along the line of the cut." If you try these manoeuvres the meristem will always break where you least expect it to.

If you are lucky both parts will contain leaves, meristem and roots but more than once it has happened to me that the small offset is attached to ALL the roots and the big mother plant has none at all. This is a big setback. You must remind yourself at this time that at least the little plant with all the roots will grow into

a big plant in a few years and, if you are careful and lucky, it is just possible that the mother plant could be persuaded to grow a new set of roots for itself.

The Way Forward:

When the division has been finalised wash the cuts with water from the hosepipe. Let the washed cuts dry in the sun for 2 or 3 hours. Yes I know but I assure you they won't die or even shrivel just a little bit.

For the plant with no roots prepare a pot with pieces of old clay pot or broken roof tile covering the drain holes at the bottom of the pot (see photo). This will prevent the drainage holes from blocking up. Next make two A frame supports using the roll of wire in the workshop (see photo). I found that single wire stem supports are just not sturdy enough for this task. Each A frame should have two curls on the ends of the wire acting as feet to be able to stand directly on top of the broken drainage clay, to provide resistance in the soil and the top of the A should reach up to just above the central leaves of the plant.

Fill up the pot with your Clivia potting mix leaving a space between the two A frames for the Clivia. For this I prefer a bark based compost which is sterile, drains well but retains a bit of moisture and remains loose over extended periods of time. Some people make use of sharp river sand for this rooting exercise. I have tried river sand and feel that it retains too much water and keeps the meristem too damp. Both methods have worked for me but I feel more confident about the bark compost. Perhaps a mixture of the two would be good to try.

With the cuts dry (and treated if you are paranoid about fungus) replant the Clivia between the two A frames in your chosen mixture no deeper than it was planted before. All that remains to be done is to clamp the plant in position using a few pieces of string (not too tight)(see picture).

At first use plain water once a day to keep the mixture moist. After a month or two try feeding it with a very WEAK solution of your favourite liquid fertiliser. Be careful not to burn those new tender rootlets.

If the plant does not look healthy gently dig

it up, inspect, clean if necessary, replant and then wait. An activity that Clivia growers seem to know about. It is quite possible that in one hand you will have a Clivia with no roots while in the other hand you have the roots with no

plant. Don't throw the roots away. Plant them with the meristem flush with the surface of the soil. If you are lucky it will sprout a few new stems. So don't throw anything away until you are sure that it is dead. ▼

CLIVIA PLACES

The Ngome debacle

By Wayne Haselau

I absolutely love pendulous clivias. Like most things they are not created equal and some forms are definitely superior to others from a breeding perspective and the discerning cliviaphiles eye. It is important to realise that from natures perspective these differences are a merely a morphological manifestation of genetic diversity and this variation is the sign of a healthy population. It is their very uniqueness that make the Ngome pendulous clivias so interesting.

That I am a Clivia fanatic and no longer shy

of admitting so is common knowledge. I love not only collecting clivias but it is the fabulous gamble involved with the breeding aspect of these wonderful plants that spurs me on. My pendulous collection is comprehensive and it all began with *Clivia nobilis*.

Clivia nobilis grows wild in close proximity to my home and nursery Wild Coast Clivias at Morgan Bay in the Eastern Cape. The collection has grown rapidly and now includes many wonderful clones of all the known pendulous *Clivia* species as well as a good collection of



coastal *C. miniata* from the Transkei region.

The first time I set eyes on a pendulous Ngome Clivia in full bloom in the wonderful Clivia collection of Fred van Niekerk (late) of Pretoria, I was quite literally gob-smacked. What struck me was how different it looked from any other Clivia I had seen up to then and it was quite simply love at first sight. Brian Tarr's great article on the then known forms of *C. gardenii*

in Yearbook 7 just spurred me on and since then I have made a yearly pilgrimage to these wonderful plants and their habitat.

Fred introduced me to Louis Lötter from Vryheid and Louis and I have become firm friends. Louis is passionate about Clivia and he and I have undertaken many trips together to the local Ngome habitats in his area. While on these trips I have taken literally hundreds





Gem's Gar Ngome Y

of photographs of plants in the wild in an attempt not only to document the habitat but also to try and gain a better understanding of this magnificent type in situ!? There are large colonies of *Clivia miniata* in the same area but I am unaware if they grow together in any of these localities. The fact that they interbreed in the wild is highly likely as a well-known and very special habitat interspecific known as Squebezi Bicolour was reportedly collected from the Ngome area.

Looking at the photos and working with the plants makes it patently obvious that this material is good, often superb – no other *Clivia* look quite like it. They are simply unique, so unique in fact that on a visit to Japan and while roaming through one of Shigetaka Sasaki's large greenhouses I came across a plant in bloom and more than 50 meters away it was obvious that it was a Ngome. All of this and we have a fundamental problem – the plant is described in the literature as simply *C. gardenii* var. *citrina* and what's more it has remained pigeonholed like this for a long time.

It is patently not a *C. gardenii*, it is in fact more difficult to separate *Clivia robusta* from *Clivia gardenii* on morphology alone than it is to separate *Clivia gardenii* from the Ngome pendulous plants. The tendency to epiphytism, the absolutely characteristic floral morphology, growth form and leaf shape, flower colours and a very different flower time all point to it being a undescribed species with closer affinities to *Clivia caulescens* than *Clivia gardenii*.

The flowering time is almost always July in the



Gem's Golden Renaissance



Gem's Green Glory

habitat and in my collection and this has been corroborated by both Louis Lötter and Francois van Rooyen who is the undisputed authority on *gardenii* and who has the largest living collection of Ngomes. (It was Francois who in fact first started calling this form a species some time back and who has also questioned the validity of the current taxonomic status of this plant.)



Gem's Ngome Tricolour

All these facts as well as the recent F1 breeding successes using this plant as a parent point to its uniqueness. These primary interspecific crosses created initially by Brian Tarr using Watkins yellow as the *miniata* parent and the more recent successes of Val Thurston and Francois van Rooyen are unexpectedly good for an F1 hybrid and this can only mean the wild pendulous parent (Ngome) has strong and distinctive genes which results in this extreme hybrid vigour.

My feelings are and this is based on intense scrutiny by myself and others is that we are dealing with a distinct geographical taxon intermediate between *C. gardenii* and *C. caulescens*. After all, to date all other pendulous species have been described more or less as geographical taxons ie *C. robusta* found only in the Pondoland centre of endemism, *Clivia nobilis* the southernmost species in the Albany centre etc. The Ngome region is somewhat isolated geographically and fits snugly in between the northernmost end of the typical *gardenii* range and that of the start of the *C. caulescens* range. So from the point of view of a geographical taxon it's actually a no-brainer and could be described as a species purely

on geography alone. When one adds to this all its other unique characteristics previously discussed it seems hard to draw any other conclusion. The genetic studies are currently being done and we can only hope that work is being done on the plants specifically from this area as well. I am sure that these studies will find that this pendulous group of plants i.e. the Ngomes are in fact distinct and warrant reclassification, the taxonomic promotion they so richly deserve.

The Ngome forest region is unique floristically and is undisputedly a bio-diversity hotspot in all respects. For instance it is believed to be the geographical centre for the evolution of the genus *Streptocarpus* those lovely *Clivia* companion plants. The forests in this area feel ancient and look so similar to parts of the coastal Transkei that I always get a feeling of *Deja-vu* when visiting. That this area was once part of a much broader vast forested region is not disputed, however the Ngome forest is a relictual remnant that has remained isolated geographically for a long period of time and it this long period of isolation that has allowed its associated *Clivia* to evolve in a unique way much as the *C. robusta* did in Pondoland.

I believe the fact that the Ngomes pendulous have red or orange berries, even in the yellowest of the forms, is an advanced trait. The plants have been isolated for such a long period of time that they have been able to produce through the evolutionary selection process red or bright orange berries, which are the most visible in forest under low light conditions. The frugivores mainly forest birds, such as Bulbuls and turacos (loeries) and possibly some rodents/monkeys are most likely to see berries in the red or orange light spectrum. Other forest liliaceae such as *Haemanthus albiflos* and *Scadoxus* species all have bright red berries.

Now that I have thrown the cat proverbially amongst the pigeons I feel it time to withdraw.

I plan to sit back and let the taxonomists get on with it however I hope that they take note of the points made in this article and that it spurs someone on to make a re-assessment of the this very special *Clivia* THE NGOME. ▼

Babylonstoren Clivia Walk - a 'must see'!

By Roger C Fisher

Knowing of my particular Clivia penchant my architect friends, on a recent early October visit to the Cape, all alerted me to the spectacular display of Clivia in bloom

at Babylonstoren, an architectural gem and landscaping marvel. The Mick Dower Clivia collection is a recent addition to the Babylonstoren collection (see Clivia News 21–2; pp. 20–21, also



The Puff Adder – a vaulted tunnel timber Clivia Folly at Babylonstoren with the Mick Dower and Jim Holmes Clivia cultivar display



A Clivia feast for the eye



Donovan Blaauw charged with the care of the Mick Dower Clivia collection of Babylonstoren

<http://blog.babylonstoren.com/2012/09/20/clivia-month-update/>), started with a donation of thousands of plants by Hans Roos of Sandton to his sister Karen Roos of Babylonstoren. Dower Clivias in terra-cotta pots are displayed in an undulating timber slat vaulted shade house made of eucalyptus laths, known as the 'Puff Adder', which is a 70 meter tunnel curving through and around huge eucalyptus trees through which one glimpses the swathes of under-planting of Clivias alongside the stream



A meal in the Glasshouse. Not only Clivias, but fresh proviant from the garden and some a little more fermented!



Literally – banks of clivias

It is as extravagant an architectural Clivia folly as you will find, especially built for the purpose. The plants are in the charge of Donovan Blaauw, who takes particular pride in and has developed a passion for these plants. The expertise of Mick's close Clivia comrade, John Winters, was called in to assist with the preparation and display of the Mick Dower collection, shown to perfection in beautiful terra-cotta pots marked with the cultivar names on especially prepared slate labels.

This year they invited the local Clivia breeder Jim Holmes from Stellenbosch to augment the exhibit with his selections of his cultivars in the Puff Adder – miniatures, variegated leaves and different shaped flower heads varying from

yellow, peach, orange to deep red.

I twice did the walk through the tunnel and down the paths alongside the stream, across the bridge with an ingenious drop down seat lifted by a nifty counterweight, breaking for a picnic style baguette and fillings with wine in the nearby glass house, tucked away in a far corner. As befits plants of long breeding, these plants of Hans Roos that form the planted scheme are not common or garden oranges but a stunning array and variety of colour and form, many of which would grace the halls of the best Clivia shows, but there in all their glory as garden plants for all to enjoy, and hopefully attract a new generation into the Clivia circle. ▼

CLIVIA CLUBS & INTEREST GROUPS

Wow! EPCC is 10 years old

By Willie Le Roux

The Eastern Cape Clivia Interest Group was formed on 13 November 1999 when John Winter, Toy Jennings, Claude Felbert and Joy Woodward from the Cape Clivia Club attended the inauguration meeting in Port Elizabeth. The first committee and support members consisted of Chari Coetzee as Chairman, Fred Gibello, Welland Cowley, Peter and Wilma Blake, Annetjie Smith, Perry Notley, Trix Jordaan, Bobby Webber and Wim and Theresa Bothma. This group was so keen and energetic that they held their first very successful Clivia show in September 2000 with Fred Gibello as show organizer.

The Interest Group grew at a healthy pace and on 20 April 2002 Club status was approved by the Society and the Eastern Province Clivia Club was born. The club grew from strength to strength and achieved building up a strong membership and having successful shows throughout the years that followed.

To celebrate it's 10 year existence, wines, coffee mugs and pens, all with the club's emblem, were made available as souvenirs



to members. The committee also decided to award those who were members in 2002 and were still with the club in 2012 (35 in total) with 10th Anniversary Certificates of appreciation for continuous membership and support to the club. Amongst those honoured were the three previous Chairmen, Charl Coetzee, Willie Le Roux and Andre Calitz (L – R on photo).

We extend our sincere wishes to all those honoured members to enjoy many more blessed and healthy years with the club. ▼

Lowveld Clivia Club hosts 9th Annual Show

By Chris Welgemoed

The ninth Annual Lowveld Clivia Club Show held at the National Botanical Gardens was adjudged by Dr Piet Theron from George and Francois van Rooyen from KwaZulu/Natal who is vice-chairman of the International Clivia Society.

162 spectacular and vastly different clivias were displayed on show. The plant adjudged 2012 'Best on Show' belonged to Chris Welgemoed. It was a green throated Tipperary/Welgemoed peach. This very unusual and spectacular mutation was discovered about

25 years ago and has been improved and produced in large numbers, displaying spectacular colours that vary from gold, pink, peach to rich apricot. The First Runner Up, Second Runner Up and plant deemed the judges' choice were all owned and bred by Paul Kloeck.

Those who visited the show were stunned by all the clivias and were seen photographing magnificent blooms and some very interesting colour variations. ▼



From left to right: Paul Kloeck, Chris Welgemoed (standing behind his winning plant), Piet Theron (judge)

The Grade 2 class of Ida Esterhuizen

By Kobus Esterhuizen

Ida Esterhuizen has, since 2005, a yearly plan to ensure that her grade 2 class of the George Preparatory School and their parents attend the annual Clivia Show of the Garden Route Clivia Club.

Every year, a week before the annual show, Ida arrives at her grade 2 class with enough Clivia seed and plastic bags containing growing mixture for 25 students. The growing mixture has been moistened and allowed to stand overnight. She shows the students the seeds and mixture and asks who would like to participate in the planting of the seeds. The response is always one of enthusiasm with hands held high and voices excited with anticipation.

Prior to the important day, Miss Ida will have explained about the planting plan to the parents. Four seeds and a bag of mixture are given to each student but before actual



Ida Esterhuizen

planting begins each student is asked to do their best to see that they and their parents attend the Clivia show. Again the response is a

loud 'yes yes Miss'. To encourage attendance, there is no entrance charge for children.

The students take home their seeds and little bags of mixture and are encouraged to report regularly on the progress and wellbeing of the seedlings. Who knows what gem will

one day be produced by one of these young prospective breeders and collectors.

Ida serves as secretary on the committee of the Garden Route Clivia Club and plans to once again hold an art festival based on paintings of clivias by all students in George schools. ▼



Grade 3 students showing their seedlings planted the previous year. The student far left, Marietjie Swanepoel, is a member of the club

CLIVI-ARTA HELEN SANDERS



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CLIVIA CLUBS

Cape, Eastern Province, Free State, Garden Route, Joburg, KwaZulu-Natal, Lowveld,
New Zealand, Northern and Northern Free State

INTEREST GROUPS

Border, Bosveld, NKZ-N (Newcastle), Overberg, Highway (Durban area) and Vryheid

