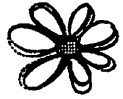


ORCHIDS IN NEW ZEALAND



JULY/AUGUST 1984

Beck's . . .



ORCHID MIXES

- | | |
|----------------|-----------------|
| ★ Proven | ★ Fast Drainage |
| ★ Ready to use | ★ Screened |
| ★ Free flowing | ★ Fertilised |

BECK'S ORCHID MIX IS BAGGED IN DRY CONDITION AND SHOULD BE DAMPED PREFERABLY THE DAY BEFORE USE.



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Hastings:

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Masterton:

Bryan Clark, R.D.5, Hastings. Ph. 88-734

New Plymouth:

Arthur Morris, 24 Sussex St. Ph. 6854

Palmerston Nth:

Gordon Bruce, 509 Carrington Rd. Ph. 34-583

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Stokes Valley:

Norm Porter, 443 Te Moana Rd. Ph. 6977

Wanganui:

E.B. Topp, 42 Manuka St. Ph. 638-187

R.A. Spittal, 18 Kells St, Aramoho. Ph. 36-528

ORCHIDS IN NEW ZEALAND

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COUNCIL 1984-85

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Cover Photo: *Odontoglossum edwardii*, this plant in Pukekura Park collection, photo by courtesy of G. Fuller. For further information see Pukekura Corner Vol. 9, No. 5, March/April 1984.



EDITORS REPORT 1984

The ninth year of publication has passed and although not a memorable one as far as the magazine goes, at least we are still solvent and our subscription list keeps increasing. I use the words 'not a memorable year' in respect to the constant need of articles and photos for the magazine. Some of the issues have been late off the press - the printer is not at fault - twice the magazine has been held up because there has been a shortage of articles and suitable photos. I am informed by Council that there are now forty-two Orchid Societies in New Zealand - if each Society could be responsible for two articles per year, only two mind you, we would have enough plus the odd overseas writings, to complete one years publication. Delegates and Council members attending this 1984 A.G.M. I hope, will return home with the thought that the requisitioning of two articles per year from their Society is not too much to ask.

At a Council meeting earlier in the year it was made known that the magazine committee was desperate for material and the Secretary, Mrs Dorothy Cooper, wrote to all Societies asking for articles. The response was excellent and I would thank those people who made the effort to get their articles to me so promptly. This allowed the following issue of the magazine to be printed. Unfortunately, the response came from too few Societies.

It is pleasing to note that the 'Letters to the Editor' column is now being well used. This space allows you, the reader, to have your say on orchid matters. Please continue with the letters. The Buy, Sell or Swap space for amateur growers is not being utilized - the sum of \$1.00 for eighteen words is very cheap advertising. We are now publishing regularly 'Society Information' which does provide the reader with a contact point, particularly when holidaying in other areas.

This is kept up to date by referring to Society Newsletters - if you do not inform the Editor of a change of Secretary or that there is a Society in your area, there will be either incorrect or no information printed under this heading - it is important to keep in touch.

Our thanks to Societies that so generously gave money during the year to the magazine fund. This money has been used for the front cover colour photo.

Finally, I would thank all contributors who made the effort to write something for our magazine. We were pleased to hear from each and everyone of you.

GRAEME BOON
Editor

RESUME OF TENTH ANNUAL REPORT

Year Ending 31st March 1984

During the last 10 years we have seen a continued growth of interest in orchids and I acknowledge the assistance of the Executive Committee, Magazine Committee and Judging Committee together with Societies throughout New Zealand in continuing to foster this interest.

By now I am sure that all Societies will be aware that a World Conference is to be held in Auckland in 1990. Council has been actively working toward this since 1980, this will mean a lot of work and planning and I know that all Societies will rise to the occasion and support the N.Z.O.S. on this mammoth undertaking. I am confident that New Zealand can make this an outstanding event and the benefits to New Zealand as a nation as well as those people with an interest in orchids will be profound.

The 2nd New Zealand International Conference planning is now at an advanced stage and the Committee have been working hard. It is pleasing to be able to report tremendous support from Societies throughout New Zealand. This has the makings of an outstanding event and I would ask Societies to use their utmost imagination and resources in staging displays. The more Societies are involved in displaying the more Society members will want to be a part of the occasion and the greater will be the success and enjoyment for all. I would like to personally thank John Addison who as Secretary is keeping the Committee on it's toes and keeping all Societies informed.

Wherever you have judging you automatically have controversy, but the more training and study judges do and the more practical experience that they have, the more competent they become.

It is pleasing to see more awards coming through the system. I think this is recognition on an improvement in culture and varieties. I would like to thank our Registrar General, District Registrars and Judges for the time and effort that they put into this facet of our hobby.

Council was disappointed that the draft Constitution was not available earlier for Societies to consider. Rather than accept something at short notice we felt that a lot could be gained by a complete rewrite of the Constitution. While the present Constitution has never really been found wanting it was felt that the additions and alterations that have been made over the years have not been fully assimilated.

Mr Frank Askin of Wellington Orchid Society has this in hand and a draft should be available fairly soon.

This is my final year as President and I thank my wife, the Executive and Societies for the support that I have received. I have enjoyed my term but I can assure you it isn't an easy task to co-ordinate Societies throughout New Zealand. I have done a lot of travelling but feel I should have done more. I am still confident that we participate in one of the best and most diverse hobbies available. We cater for men and women from children to old age. We cater for the athletic types in the field to people in wheelchairs. We can inspire ordinary people like most of us to genius. We have a hobby and an organisation to be proud of. But let us always remember to be tolerant and patient toward all officers of our organisation. Always realise that orchids are their relaxation as well.

W. Ross-Taylor
President

Message From New President

Orchids provide many pleasures in life for both those who grow them and for those who just admire their charm and beauty.

Whether it is for the new plant or seedling we have flowered for the first time, made new friends or have found new enthusiasm to grow our Orchids better, are all aspects which make orchid growing a pleasure.

With the number of Orchid Societies and enthusiasts increasing each year, many of these goals and ideals we have should become easier and possible to achieve.

There are now some 42 Orchid Societies (32 Affiliated to Council) formed in New Zealand, thus giving each of us access or contact with some 7-8000 individual members.

It is my great privilege, as your newly elected President, to carry on and extend the fine work the previous Executive and Officers have accomplished.

But to achieve and extend many of our goals in this changing world, will necessitate adapting ourselves and our Orchids to it, especially if we are to survive successfully.

By mutual co-operation and understanding, and the sharing of knowledge and ideals, we will develop and continue to be a successful and World recognised leader in Orchid growth and development.

Several Societies and individuals have expressed their concern as to the benefits of belonging to Council. I challenge these Societies to review their concerns and strive to make the effort to join with and assist the Council to be of benefit and assistance to all member Societies and their individual members. With Councils assistance, I will endeavour to make every effort to achieve a united effort in association with all Societies and associated bodies within New Zealand and overseas.

Orchid lovers have many features to look forward to in the future, with the 2nd International Conference in Wellington in 1985, and following this the 13th World Orchid Conference in 1990.

To successfully stage these events totally united effort is required by all Orchidists both in New Zealand and Overseas, and it will be with the greatest of pleasure to guide all of us into the following exciting years.

Looking to an enjoyable association with all Orchid friends and associates.

Good wishes to you and your Orchids in 1984.

Yours,

DARRELL BELL

President - Orchid Council of New Zealand

Invercargill A.G.M. 1984

by Ron Maunder

The alarm wakes me at 6.00 a.m. on the Friday to overcast skies and cold winds. Arriving at the airport nice and early. I'm told my flight is delayed. Just as well they found the fuel leak in Auckland! Good old Air New Zealand. Safest airline in the world - they say!

Had to change all my connections. Could I avoid windy Wellington? No luck - booked to Dunedin. For seven hours I'll be waiting for a flight to Invercargill. Bought a N.Z.Herald. Second page says Baggage Strike in Wellington. 30 flights in and out cancelled. That's me! Could I change my return trip? Yes, but my return ticket is needed. Out on the baggage trolley. Found and changed it. Phoned wife to make some new arrangements.

At last in the air and sitting by a school acquaintance. He flies the world for the Dairy Board. Confirms Wellington is the hairiest of airports! Time passes chatting. Anyway made a safe landing. Did it help by praying?

Dozens of friends and delegates, waiting for embarking. Then they're off to Christchurch, it re-opens. Off they go chattering. Just time for a milkshake and sandwich. Off I go and land in rain at Dunedin. Met by a friendly orchid grower's husband. Taken home to pass the time away. In time to meet other council members. Visiting the collection and eating. A nice lunch followed by phone calls to local friends met a year ago. Looking for colour slides for programmes. A quick visit to Grace Wootton's collection, then back for tea and out through miles of rain to airport. Plane is again delayed. Hope Invercargill airport is open. Doodling with the crossword. Hello - there's Alan Beck a wandering! Time to board. Here's two more friends from Blenheim. Just getting settled and talking, when its "Prepare for descending". Water everywhere but not raining. Last lot to

arrive by plane this evening. Welcomed by President John McDonald, daughter Melanie and other members helping. Renovations everywhere to the building. With special satchel, welcome letters, maps and programme, we are taken to pay homage to the mark. We gaze in wonder. Where we stand in the room was flooding. Up over our heads the mark. Incredible we all say. All aboard for the Civic and get together. Up in the lift to the noisy floor. Nibbling, talking, laughing and canvassing Tarris is there all smiling. When he sees our new badges for his collection. A nice display of plants. Some buying. Andy Easton and Keith Goodwin selling. Time to go at 9.00 p.m. Early birds these Southlanders! Found the motel and the unit. Unpacking and more talking. At last to bed early (in the morning that is!).

Saturday

Up bright and early. Weather not bright - but gloomy. I am stuck with executive meetings. At the hall Andy is taking an 'Orchid Clinic'. A quick snack, some more business. Then a taxi race to the big meeting.

Who says no one would come down here in winter? Over 50 delegates, plus observers! Elections over quickly. No extra nominations. No counting. The meeting passes slowly. Most remits restructured or rejected. The annual evergreen is rejected. To centralise meetings is not needed. We like it this way - or we wouldn't have attended.

Meetings over - off to change for dinner. Back again feeling fresher. Ready for Southland hospitality.

CYMBIDIUM CULTURE NOTES

JULY - AUGUST

*by Gordon Maney, 7 Harrow Place,
Palmerston North*

A real banquet before us! Even sparkling grapejuice for the wiser - or did I mean wowser! Lots of lovely Bluff oysters - if you like them raw and squelchy. Fried in butter ones for the chicken hearted. Hugh Fox taking oyster orders for the homeward journey.

No loud bands to compete with. Room to move around in, spare seats to sit and chat in. Friendliest A.G.M. I've been to. In the room next door, you can see slides of the Conference in Miami. "Quiet you lot out there - we can't hear Des Leahy!". Too soon its all over. Must we be out like Cinderella? Earlybirds these Southlanders!

Home to chat in another unit. One by one they toss it in, guess its time I left them to it!

Sunday

Up and on the phone to change my flight. Had our post - A.G.M. Executive Meeting last night, going home a day early.

A fleet of cars arrive to take us touring. Saw lots of collections all morning. Met all my friends from last years touring. Orchid growing here is really booming. Back to the McDonald home to a lovely lunch, and to see hostess Leone and son, Tarris', collection. John away with bus tour to Queenstown and Dunedin.

We say goodbye to the wonderful hospitality. Heading for Christchurch in overcast skies. More farewells, as most leave here for windy Wellington. Cheers! I fly direct to Auckland. Can I make my connection? Hostess says she'll radio ahead to hold my flight, I give the pilot my baggage description. Dash in to get a seat number. Rush out and climb aboard. Wonder if they found my case in time? Soon I'm landing. With landing lights flashing by. There's my case! Can't beat Air New Zealand! The rest go on to Gisborne. Back by bus to the city. Driven home by taxi. Welcome home by family. Its been a terrific weekend but . . . see you in New Plymouth next weekend!

Generally the flowers have been earlier this season and of course this has meant early attention to the flower spikes; staking and tying up.

You should be looking round your plants at least two or three times a week, watching for aphids, slugs, caterpillars, etc. I realise regular spraying generally keeps plants fairly free of bugs, but some do manage to stay alive and the damage they can cause is a heartbreak.

A good precaution is to use a duster with rose dust. This won't harm your flowers or mark them, and just occasionally is usually enough.

In the May/June article I mentioned spraying with Kelthane for red spider. It's a good idea to change your spray from time to time, and because we are getting a lot more flowers now, Kelthane will leave a residue on the flowers.

Orthene is readily available and doesn't mark the flowers either.

One grower, who shall be nameless, told me he had used Plictran and lost most of his early flowers. This should be a lesson to all of us; be careful before you use a spray, ask an experienced grower and always wear a mask and protective clothing.

In the Manawatu the nights are still very cold, often with frosts, and so choice of days for watering is important. When you do, spot water, that is only the plants that need it and then never later than 10.00 a.m. - this allows the plants to dry out before evening. Again I repeat keep the slug bait round those plants. At present I'm potting up small plants into their next size 10 cm and the 10 cm into 15 cm pots. Community pots of plants also are needing attention.

Cymbidiums never really stop growing and the small plants need attention if they are going to grow quickly. One soon learns to recognise when a plant needs shifting on, and they certainly respond to this.

The growth is quite remarkable in a very short time. Young plants in particular need regular feeding all year round and if they have a little heat, so much the better.

Some growers cut up their early flowering varieties in July, that is plants that flowered in May and June.

Personally I wouldn't; unless a plant is sick, it never really pays to cut up until the roots are showing green tips and really moving.

For those growers who are contemplating putting up a certain plant for an award, its essential that a good deal of attention is given to staking the spike, tying as it grows, and making sure the plant is in the right light for the colour, e.g. bright light for pinks, golds and reds, more shade for greens and whites.

Good winter growing to you all.

Murphy's Law - as applied to orchid growing

*Reprinted from the Auckland Orchid Club
Bulletin*

1. *When building a glasshouse (substitute shadehouse, bush-house, greenhouse) if you build it twice as big as the size you first thought of - it will still only be half as big as you need it to be!*
2. *When tying and staking up spikes, the ONLY spike you accidentally break won't be from the plant you have seen flowering many times before - it will always be the spike*

from that new plant or seedling you've been waiting years to flower.

3. *When splitting a community pot or flask of seedlings with a friend, or selling unflowered seedlings, the plants you sell turn out the champions - the ones you keep turn out to be 'dogs'! (How many times have you played eeny-meeny-miny-mo? Next time keep the whole flask, community pot, etc. The only trouble with this practice is that it gives you even more problems with (1).)*
4. *If you leave a plant at home at showtime (either deliberately or accidentally) the plant that wins that class in the show is not a patch on yours!*
5. *If you want to transport an orchid plant in your car, van or any other vehicle, no matter what make, year or model (of car or orchid) the spike is always 15 cm too tall! (The only exception to this law is if you hire a large housemoving truck).*
6. *If you hand-water the orchid plants in your shadehouse - it rains; if you don't - it doesn't!*
7. *No matter what simple orchid task needs doing, before you can do it, at least five others will have to be done first!*
8. *The only flower in your whole collection that is chewed by a slug is the one you've had your eye on as being worthy of an A.M.!*
9. *You can always sell a hundred of a plant you only have one of - the plants you have a hundred of - no-one wants!*
10. *If you think a plant needs watering frequently and you do, it doesn't and it dies. If you think it doesn't, it does, you don't, and it still dies!*

Yes, there's a message in Murphy's Law - I'm still trying to work out what the message is!

MIRIAM CORBAN

UNBREAKABLE PLASTIC SHEETING

This article was supplied by Mr C. Brown of P.O.Box 71-015, Auckland

A unique kind of corrugated plastic sheeting which is virtually unbreakable has recently come on to the market in New Zealand. Manufactured by the Mitsubishi Gas Chemical Co., of Tokyo under the name of Sunguard, the sheeting is made from thermoplastic resin polycarbonate, the same material used in New Zealand for disposable soft drink bottles. The Auckland-based New Zealand distributors of Sunguard, Permathene Plastics Ltd., say that the product has a high impact strength approximately 150 times that of glass and that it will resist damage from hailstones as big as table tennis balls.

Says Sales Manager, Cyril Brown: "We've taken a heavy hammer to it and even bent it double but it still hasn't broken. When the Wanganui Education Board came to us because another kind of plastic sheeting used for school walkways was being constantly broken, we gave a group of children some Sunguard to break. In spite of some strenuous efforts, they failed to break it and we have since supplied the product to Wanganui and other education boards".

Its high impact strength was a major factor when New Zealand's largest horticultural marketer, Turners and Growers Ltd., decided to use it to clad some new glasshouses in Mangere, Auckland.

"In the exposed conditions at Mangere the risk of damage to glass is very high", says property manager, Kevin Turner, "so the polycarbonate sheet was a much better proposition".

The sheeting has been used to clad three glasshouses at Turners' new horticultural research centre which has been established to experiment with export crops. Eleven hundred square metres of the sheeting have been used on the project.

Mr Turner says the company also chose the sheeting because it is more transparent than other plastic products and would therefore aid the maturity of crops. A third factor was its high resistance to yellowing from ultra-violet light, says Turner; something he saw for himself during a visit to Japan.

The Japanese manufacturers claim that its clarity is comparable to glass as it will admit approximately 90 per cent of available light.

Other tests in Japan are reported to have shown outstanding temperature stability in conditions ranging from minus 40°C to plus 110°C.

"Some plastics will go brittle and crack at temperatures below freezing", says Cyril Brown. "They can also melt at high temperatures but this material will take both extremes".

Mr Brown says the material has been found to have excellent heat retention properties, providing considerable savings in heating costs for horticulturalists. Yet if exposed to fire, he says it will burn very slowly and not give off any toxic gas.

At 900 gms per sq. metre, the material is lighter than any other comparable product available in New Zealand but still has the necessary strength, says Brown.

"Its lightness does mean correspondingly lighter support structures and therefore cost savings. It also makes it easier to install".

Mr Brown estimates that the sheeting will have a useful life of 25 years, making it the longest lasting horticultural cladding in New Zealand.

Apart from education boards and horticulturalists, Permathene Plastics have supplied Sunguard sheeting to architects, builders, local bodies and government departments. Such

applications have included coverings for walkways, patios and carports.

Installation requires no special tools. Sheets can be cut to size with scissors and shears. The manufacturers state that drilling and nailing will not cause fracturing or cracking and that there is no need for caulking or sealing.

The sheeting is currently available in New Zealand in 32 mm and 63 mm pitches, and a variety of lengths and widths. From August, a 76 mm pitch sheet compatible with corrugated iron will come on to the local market. Buyers have a choice of blue, bronze or clear, all of them transparent.

It is available to individual consumers through building supply merchants.

SOCIETY NEWS

Two years ago we held a most successful and enjoyable Commercial Growers Sales Day. We have another one planned for August this year and would like to extend a very warm invitation to magazine readers.

At this stage sixteen (16) Commercial Growers are being invited to come and sell. Most of the Growers who attended last time wish to return.

Venue: Te Puke High School Assembly Hall in Tui Street, off Cameron Road.

Date: Sunday 12th August 1984

Time: 11.30 a.m. to 2.30 p.m. approximately

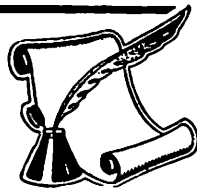
Please bring your own lunch. Tea and coffee will be provided.

We hope you will be able to join us in what we hope will be another enjoyable and successful day.

For further information contact:

V. A. Burrell (Mrs)
Secretary BOP Orchid Society
Phone: 37-804 Te Puke

LETTERS TO THE EDITOR



Dear Sir,

Through your column may I thank all the members of various Societies who sent delegates to the Conzed A.G.M. The cost incurred for travel may not have been met so easily had everyone not helped in many ways to raise the sum required.

To see the instant delight of recognition and to feel the happy and jovial atmosphere of the social side complimenting the business side of your delegates activities, was a pleasure for all our members. Thank you for sharing some of your talented orchidists so that our amateur society could 'pick their brains', and thanks again to the delegates for sharing this knowledge and experiences so freely. Our small Society has benefitted tremendously from the experience of hosting your A.G.M.

To those who may have thought Invercargill was

- a) too far to travel, or
- b) the pits!!

may we assure you that your decisions to support us with your delegates was well worth while.

Leone McDonald
Southland Orchid Society

TARANAKI ORCHID SOCIETY SEMINAR

The Taranaki Orchid Society, would like to thank all visitors for participating in our recent Seminar. We thoroughly enjoyed having you and hope that you had an interesting weekend.

We look forward to meeting orchid friends and acquaintances in the near future.

Society News

Is Orchid Growing Declining in New Zealand

by Geo. Fuller

I suppose it is just exercising my naivety but I like to think that there is a following who look forward to this supposedly regular column. Could there even be a few out there so dedicated that it would be the first page opened? If so, recent gaps will mean that there have been some disappointed readers of late and the gentle kick in the pants I have just received from the Editor (delivered with minimum force while wearing lambswool slippers) has made me realise what an unenviable position that is - being an Editor I mean, not being kicked in the posterior (though I suppose the same would be applicable).

When this worthy journal was initiated, I was motivated to support it with what I could foresee as an on-going contribution drawn from my own experience and the interesting range of plants in the Park collection. I felt that any effort on my part would be well justified because I would be reaching the widest possible orchid readership in New Zealand. This has certainly proved to be the case, for the number of clubs has mushroomed to about forty, the rate of increase being only excelled by that of a recently emergent political party. The enlightened members subscribe to this journal (Orchid Society members - not the other bunch), so coverage over the country must be quite extensive.

Returning to my personal effort, I would have to confess that historically I have not a particularly good record of consistent or sustained output for I am more of an innovator taken strongly by a new challenge, but faltering on repetition, the latter only being maintained through pangs of conscience. Hence my recent lapse, which is true to character.

Where is all this rambling getting us, dear reader. Draw closer, there is a message for you and I will whisper it in your ear. The Editor did not really admonish me for failure to deliver the goods as I had suggested, but he in fact pleaded with me to write something because he was desperate for a copy with which to complete this issue. Now who wants kicking in the pants?

Orchids in New Zealand is compiled by a very dedicated husband and wife

team. They do a wonderful job and over the years the numbers of mistakes they have made in an exacting role is negligible. They have to put up with lack of consideration from many quarters yet remain polite, always with that relentless deadline hanging over their heads. I would like to take this opportunity to acknowledge the tolerance they have shown towards me and my inevitable last-minute efforts. Through their perseverance they have achieved something which must be almost unique in that they have seldom had to resort to copying articles from other publications. The content is mostly original and relates to New Zealand - or at least it was, for I suspect it may have to change.

What other changes should we expect? I suppose the 'adverts' could get bigger as the articles diminish until the advertisers twig on to the fact that nobody is buying the result and so withdraw their support too. That evil day could be postponed by inserting blank pages with pertinent notes in small text, such as 'This space would have been taken up by Pukekura Corner if George Fuller had got his first letter of the alphabet into the seventh or the Secretary of the Waimee Orchid Society would have had this page because the article he promised has not eventuated.

It seems incredible to me that with nearly 42 Societies in New Zealand and a burgeoning interest in the subject, the Editor has to struggle harder than ever to obtain original copy. I suppose that many feel tempted to submit details of

some experience that could be of interest and certainly of help, to readers, but decline on grounds of not being clever with words. Please, if this is the case, just submit what you can or get someone else to record it and leave it to the editorial skills to put it into shape. They even mess about with my efforts and come to think of it this will probably be unrecognisable when I come to read it in print.

And so dear reader, conscience - stricken, I will try to keep my end up - what about YOU? I'm drifting into a dream again, just as I did at the onset, thinking how nice it would be next month to get a call from the Editor suggesting that I could skip Pukekura Corner for a while because so much exciting new material had come to hand. Oh! that I could indulge in such laziness. Ho! hum! and so to bed.

George, how did you know that I had left a blank page and a half for Pukekura Corner.

Editor

Second New Zealand International Orchid Conference October 1985

In our first article, reference was made to the work being done to promote the Second N.Z. International Orchid Conference in Wellington and the natural attractions of the Capital City. The venue of the Conference was one of the most important decisions to be taken, and after inspecting several sites, the Wellington Show Association Buildings were selected. For those of you who know Wellington, the reasons for this selection would be obvious. For out-of-town visitors, the many attractions of the Wellington Show Buildings are:

- Huge stadium area for displays, a festival hall which is fully carpeted and centrally heated, public restaurant and lounges, theatre and adjacent parking for 1000 cars.
- Situated in John Street, Newtown, it is only a mile or so away from the centre of the city.
- Has been the venue for many national and international exhibitions.
- Many parts of the buildings have been recently upgraded.

Arrangements have already been made for many of the lecture sessions, judging seminars and workshops, and commercial involvement. Large attendances at all events are expected and the venue must cater for these crowds. Typical lecture sessions are:

- "Odontoglossum Alliance" and "Phalaenopsis" by Keith Andrew, Dorset, England.
- "Environmental and Nutritional Factors Affecting Growth and Development of Cymbidium Orchids" by David Brundell, Pukekohe, New Zealand.
- "The Genus Dendrobium in Australia - Its Species and Hybrids" by Wally Upton, Sydney, Australia.
- "Miniature Cattleya Types" by Frank Fordyce, California, U.S.A.

For those who wish to compete, there will be a wide range of prizes and trophies for more than twenty different classes. Space in this issue will not allow publication of the full Show Schedule. Competition will include the following:

Championship Prizes

Grand Champion of the Show
Reserve Champion of the Show
Champion Cymbidium of the Show

Special Prizes - Trophies

Best display by an Overseas Society
Best display by an Affiliated Society
Best display by a Commercial Orchid Grower

Best Coloured Cymbidium
 Best Cymbidium Seedling
 Best Novelty Cymbidium
 Best Miniature Cymbidium
 Best Specimen Cymbidium
 Best Paphiopedilum
 Best Cattleya Type
 Best Phalaenopsis
 Best Vandaceous Orchid
 Best Dendrobium
 Best Oncidium Alliance
 Best any other Orchid

Best specimen Orchid other than
 Cymbidium
 Best Species

The 1985 Conference has already been advertised in New Zealand and Overseas. The President of the Orchid Council of New Zealand (Mr W. Ross Taylor) attended the recent 1984 World Orchid Conference in Florida, U.S.A., and this meeting of orchid growers has also been a target for our publicity. A number of overseas orchidists have already confirmed their attendance.

The programme covers the whole week from Monday 7th October to Sunday 13th October 1985. A cocktail party is planned for Wednesday 9th October and a Conference Banquet (in the new and magnificent Michael Fowler Centre) on Friday 11th October. These very important events will enable orchid growers to socialise and meet old friends and make new ones - see you there. Local and nationwide tours are being planned and full details will be available shortly.

In our next edition we will discuss the Capital City and its environs in more detail and tell you something about the four very active Wellington Societies and their members who will play an important role in the success of the 1985 Conference but if any Society or member wants more details on the 1985 Conference now, please write to:

Conference Secretary,
 P.O.Box 5133,
 Wellington,
 New Zealand.

O.C.N.Z. Awards

Award No. - 5/83 CCC OCNZ

Plant - Paphiopedilum insigne

Parentage - Species

Owner - Mr P. Leahy, John Hannah Orchids, Papakura

Dimensions - Width of Dorsal 46 mm

Remarks - Dorsal sepals white with light green median and basal area marked with brown/purple spots. Tepals yellow/green veined brown. Labellum yellow green shaded with brown. Blooms nicely distributed on a well grown plant giving an overall attractive and clean appearance. 56 flowers.

Award No. - 6/83 AM OCNZ

Plant - Wilsonara - unregistered grex

Parentage - Oncidium Tigrinum x Oda. Feurschein

Owner - Mr F. Askin, Wellington

Dimensions - Natural Spread of Flowers 77 mm

Remarks - 1 Spike, 36 flowers and 9 buds. Basic colour deep chestnut with ivory markings in background. Light yellow lip with chestnut blotched lip. Well grown plant with branching spike and deep striking colours.

Award No. - 7/83 CCC OCNZ

Plant - Phalaenopsis - unregistered grex

Parentage - Chanteloire x Red Fan

Owner - Mr E. A. Nass, Taradale

Dimensions - Natural Spread of Flower 80 mm

Remarks - 2 very heavy spikes with four branches on each 52 flowers and 18 buds. White with red lip, clean and glistening, well spaced and well shaped bloom with very good substance for the number of blooms. Exceptionally well grown plant with clean shiny leaves of solid substance and vigorous root growth.

11th World Orchid Conference

as told to Ron Maunder

Melva and Ken Allen of Te Puna recently attended the 11th World Orchid Conference in Miami, Florida with the New Zealand tour led by Des Leahy of Auckland. Melva has kindly given me details of the trip.

Sixteen New Zealand orchid enthusiasts flew out of Auckland on the 2nd March, loaded with prefabricated material for the New Zealand display at the Conference, as well as all their own luggage.

There were hundreds of exhibits. In the centre was the commercial sales area and they were doing a brisk trade. One was selling hundreds of flasks at \$5.00US each with 6-8 plantlets in them. There were stalls selling orchids books, paintings of orchids and porcelain sculptures of orchids.

On Monday morning we travelled north to Orlando and visited the Epcot Centre, which was a fantastic place. It showed what plans were being made for living in the future. Plans for living in space, growing food and using hydroponics among other things. Later we went out to the John F. Kennedy Space Centre and saw through the Space Control Centre where the flights are monitored from. Nearby there was a huge space rocket used on previous missions. It took three minutes to walk from end to end. It was a most interesting spot, especially for Ken. We also visited Disneyworld next day and then flew onto Washington where it was snowing when we landed. While there we went sightseeing, some to the famous Smithsonian Institute and others to the Botanic Gardens. Later we visited the White House at Capitol Hill and heard that night someone with a gun had been arrested that day near the grounds. This city was smaller than the others we visited, with few multi-storey buildings.

We next flew to New York and going into this huge city of skyscrapers we were surprised by the dirt and rubbish everywhere. Here we went to Long Island, which is 100 miles long by 20 miles wide and has a population of eight million people.

It is on Long Island that we visited the Bianci Orchid Range which is the largest on the East Coast. The cymbidiums were on the ground and on benches, grown in plastic baskets and had excellent production, although the varieties were quite old. They get snow up to the eaves or 8ft in winter, so had large heating systems. In the summer all the plants are taken outside and sat on metal 6" deep and watered with the overhead sprinklers every seven minutes. No shade cloth covers are used.

We drove for 1½ hours to Philadelphia where we lunched and visited at the John Starke Orchid range. Here, in a much smaller nursery, they grew Cymbidiums, Cattleyas, Paphiopedilums and Phalaenopsis and had an attractive sales area.

From New York we flew across to Los Angeles again and drove to Anaheim. Here we visited John Miller who grew and bred highly coloured phalaenopsis which were most impressive, then to Emerson 'Doc' Charles to view his collection. We also paid a visit to Pat Rowland and saw her interesting miniature cymbidium range. Another day we drove to Solana Beach and visited Bob Dugger, whom I had bought flasks from. He specialises in the Odontoglossom alliance and had a lovely display at his small nursery. Along a rough metal road out into an almost desert setting we drove to the Rudvalis range. Here we saw some beautiful cymbidiums grown in tunnel shaped houses. Mr Rudvalis mostly has exclusive varieties bred by himself and doesn't sell plants. He has big problems

with salts in the local water supply and the tips of the leaves showed the effects. During that day we made a stop at the old Spanish Capistrano Mission.

After a night in Los Angeles we flew for six hours across the U.S.A. to Miami in Florida State. On arrival we went sightseeing around Miami while five or six members went and checked the venue and prepared to set up the New Zealand display. Twelve cartons of blooms had been shipped on ahead several days previously, but none had been put in water. Most of the cattleyas died because their vials of water were used up. That night it was decided more people would be needed to set up the display the next day. Couples from Auckland, Whangarei and ourselves volunteered. Ken assisted with the carpentry while the women arranged the flowers. No containers were supplied, so we were reduced to scouring local restaurants and hotels for bottles and beer cans. The nearest water was 300 metres away through the hive of industry.

A large heap of pure white sand had been dumped in most areas and the men had to shovel this away to start. The background to our display was a huge painting of Mt Egmont with a large Maori warrior in the foreground and bush around the sides. This had been painted by an Auckland art class and cut into 2ft by 1ft panels and shipped with our luggage. A frame had to be built so the panels could be stapled onto it in the right order to make up the picture. More panels made up the sides - black, red and white Maori designs. These led forward to the front which was in the form of an archway like the front of a meeting house. While the men built this I helped inside with the display. The front required more framework for the plastic moulded Maori carvings and faces. We ended up with a fine display which created a lot of interest, although I did hear a comment about it being from New Guinea? We were very glad to get home that night to the hotel.

The next day was more sightseeing while the Judges had the run of the show, followed by a Wine and Cheese Evening. Our display collected two medals which were quite good considering the number of exhibits.

The following day the Lecture Sessions commenced with several running concurrently. I attended several over the next few days. That night was the Banquet. My memories are of an hour in a queue waiting to get in. In fact you had to queue nearly everywhere in the U.S. to get a cup of tea, to buy flasks, to get a ticket into a tourist attraction and even to get to a toilet. During the rest of the week I attended sessions or went sightseeing. A free bus during the day took people to the famous Jones and Scully Nursery and we also visited Fennell's Orchid Jungle.

The show was a grand affair, in a huge building the size of a football field. There were hundreds of trees and palms up to 25 ft. high everywhere to give a forest theme. The pathways were synthetic grass and under the trees were mounds of sand covered with a bark-like topping. Wild animals such as bears, bobcats, snakes, crocodiles, eagles and other birds were lurking in the bush and waterfalls and streams with bridges gave a realistic touch. Scattered throughout were the displays in groups. Several Dutch commercial growers combined to stage a huge display which was very impressive. Frank Fordyce Orchids display received the highest award and consisted of a treasure chest with beautiful mini-cattleyas and other orchids arranged like treasure pouring out of the chest.

Another day we flew to Santa Barbara and were met by John Rowe and shown over his range. After lunch we crossed the road to the Santa Barbara Orchid Estate to see Paul Gripp's collection. I was most impressed by the quality of his cymbidium varieties - some of the best shaped and coloured flowers seen on the trip. He also had a wide range of the other genera. We also visited Armacost and Royston, now part of the Stewart

Company. They grow mainly Cattleyas, Phalaenopsis and Miltonias. Another place we visited was the largest range in the U.S.A. - the Gallup and Stribling range. Here they had masses of cymbidiums in bloom, all being held under cool conditions for the Mothers Day Market. They also had paphiopedilums. Other places of interest we visited while on the West Coast were Solvang, a Dutch tourist town and the town of Tijuana on the Mexican Border.

When we flew into Hawaii for a couple of days on our way home, I don't think anybody visited the local nurseries. We tried one day but the plane service didn't allow us to get back so we relaxed in the sun instead. We thoroughly enjoyed our 26 days on tour and give full marks to Mr Leahy for the way in which he conducted it.

The Odontoglossum Alliance

David C. Stead, Rawdon, Leeds, England

The Odontoglossum Alliance is made up by a group of genera, all of which are members of the sub-tribe Oncidiinae, and all of which are compatible with Odontoglossums in producing hybrids. Although I feel it necessary to list these different genera, and the intergeneric hybrids they make, I hope it will not put off the uninitiated - I will be explaining the important ones later on, and some of the lesser known ones are fairly obscure both in desirability as well as availability. The first list shows the eight genera involved, together with the name given to the intergeneric cross.

When you consider that the genus Odontoglossum itself is made up of something like 300 species, and up to the end of 1979 there had been

registered over 1800 hybrids between Odontoglossum, you can begin to grasp not only the size of the subject but my problem in presenting a paper on it!

As it is the Odontoglossums which are the main part of this Alliance, a brief look at their geographical distribution and history would be useful background information. Odontoglossums can be found as far north as Mexico, 20° North and as far south as Brazil and Bolivia, 15° South. Although this covers an immense area, the locations where the plants are found is restricted mainly by altitude. Although found at altitudes as high as 12,000 ft, the majority are found between 5000ft and 9000ft. Many of the Odontoglossum of Central America are popular, widely grown and of easy culture - such as *Odontoglossum bictoniense*, *cervantesii*, *rossii*, *pulchellum*, *cordatum*, *maculatum*, etc. Although a limited number of hybrids have been created using these, it is the Odontoglossum species of the high Andes of Colombia, Peru and Ecuador which have had the most impact on the hybridists. Species such as *crispum*, *hallii*, *luteo-purpureum*, *harryanum*, *pescatorei*, *triumphans*, etc.

The first Odontoglossum species to be sent back to England and to survive the ordeal was *Odontoglossum bictoniense* - collected by George Ure Skinner in Guatemala and sent to John Bateman in 1835. Others quickly followed: *Odm. rossii* and *Odm. grande* in 1839; *Odm. pulchellum* and *Odm. crispum* in 1841; *Odm. luteo-purpureum* in 1852 and *Odm. cordatum* in 1854.

These new and exciting discoveries helped fuel the orchid mania that was sweeping through Europe at this time. Tragically many were to perish. Many thousands were lost before they ever reached Europe due to slow inadequate transport. Many thousands were to perish because of ignorance of their cultural requirements - they were at first grown in stove houses which proved far too hot and humid.

Once the cultural problems were overcome, the hybridists got to work,

Cochlioda	when crossed with ODONTOGLOSSUM makes	ODONTIODA
Miltonia	"	ODONTONIA
Oncidium	"	ODONTOCIDIUM
Aspasia	"	ASPOGLOSSUM
Brassia	"	ODONTOBRASSIA
Comparettia	"	ODONTORETTIA
Rodriguezia	"	RORIGLOSSUM
Ada	"	ADAGLOSSUM

The next list is a little more complicated for it deals with hybrids made by crossing more than one genus with Odontoglossum:

Odontoglossum x Cochlioda x Miltonia	= VUYLSTEKEARA
Odontoglossum x Cochlioda x Aspasia	= LAGERARA
Odontoglossum x Cochlioda x Miltonia x Brassia	= BEALLARA
Odontoglossum x Cochlioda x Miltonia x Brassia x Oncidium	= GOODALEARA
Odontoglossum x Cochlioda x Oncidium x Gomesa	= BARBOSAARA
Odontoglossum x Cochlioda x Miltonia x Oncidium	= BURGAMOARA
Odontoglossum x Cochlioda x Oncidium	= WILSONARA
Odontoglossum x Miltonia x Oncidium	= COLMANARA
Odontoglossum x Aspasia x Brassia	= WINGFIELDARA
Odontoglossum x Brassia x Miltonia	= DEGARMOARA
Odontoglossum x Brassia x Miltonia x Oncidium	= BAKERARA
Odontoglossum x Oncidium x Brassia	= MCLELLANARA
Odontoglossum x Cochlioda x Brassia	= SANDERARA

and as early as 1884 the first Odontoglossum hybrid was made - this was between *Odm. rossii* and *Uro-Skinneri* and named *Odm. Colonel Leith* after its originator. It was not long before the Colombian species came in on the scene - an entry that must surely be one of the most significant in the world of Orchid hybrids. *Odm. Hallii* x *Odm. crispum* gave *Odm. Hallio-crispum* in 1896; *Odm. crispum* x *Odm. pescatorei* gave *Odm. Ardentissimum* in 1898.

The first generation hybrids from the Colombian species were soon joined by second generation hybrids as the impetus grew at a quite astonishing rate. The graph (Fig. 1) shows just how rapidly hybridising got off the ground - the numbers of Odontoglossum hybrids trebled in the second decade of the 20th century, over the first decade, and reached a peak that has not been equalled in subsequent decades.

As early as 1904 saw the introduction of another genus to Odontoglossums. This was with the fiery red *Cochlioda noezliana* and *Odontoglossum pescatorei* which made the first

ODONTIODA (*Oda. Vuylsteke*). As one might expect others followed rapidly, with such well known hybrids as *Oda. Bradshawiae* 1907; *Oda. Charlesworthii* 1908; *Oda. Sanderae* 1911; *Oda. Cooksoniae* 1909.

Other intergeneric crosses soon followed the *Odontioda*. ODONTONIA in 1905; ODONTOCIDIUM in 1911; VUYLSTEKEARA in 1912 and WILSONARA in 1916. By now the amount of breeding material available had greatly increased with 1st, 2nd and 3rd generation Odontoglossums, so the improvement and development was speeded up.

Following this initial burst of intergeneric hybrids there came a lull of some twenty years before another one was registered, but during this period breeding continued at an amazing pace - particularly in Odontoglossums, *Odontiodas*, *Odontonias* and *Vuylstekearas*. The 1930's saw the zenith of registrations for *Odontiodas*, *Odontonias* and *Vuylstekearas*, (Fig. 2, 4, 6) and many believe this period saw the quality of hybrids reach a standard

Orchid of the Year 1983



Cym. - unregistered grex 'moonlight'
Parentage: Wallara 'Gold Nugget' x
Lunagrad 'Elanora'.

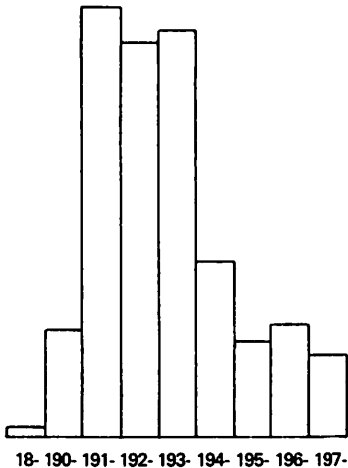
Owner:' Gronwall and Dawe Orchids

O.C.N.Z. Awards

REGISTRATION OF HYBRIDS

Fig. 1

Odontoglossum



that has never been surpassed. There is no doubt in my mind that there were some wonderful hybrids around in those days, and I feel privileged to have been able to study many of the paintings at the Royal Horticultural Society which are proof of this. Certainly we all owe a great debt to those early pioneers of *Odontoglossum* breeding, for without their patient work we would not have the truly fine range of hybrids with us today.

And what of the modern scene? There is no doubt that there has been a great revival of interest in the *Odontoglossum* Alliance in the past two decades, which I anticipate will continue to rise through to at least the turn of the century. The 2nd World War obviously had an effect which was to last through until the 60's, but once the momentum was regained and breeding stocks built up, the numbers of hybrids gradually increased - particularly in the inter-generics.

To Be Continued

Award No. - 8/83 AM OCNZ

Plant - Paphiopedilum Jacqueline Kranz 'Epsom'

Parentage - Florales x Barbarrosa

Owner - Mrs H. Teal, Auckland

Dimensions - Width of Dorsal 100 mm

Remarks - One well displayed flower on a long stem. White dorsal with pink/brown centre. Petals distinctly marked shades of yellow, pink and brown. Judged best paphiopedilum at Waikato 1983 Winter Show.

Award No. - 9/83 CCC OCNZ

Plant - Minature Cymbidium Fairy Rouge 'Lavender Falls'

Parentage - Pumilum x Clyde Landers

Owner - E. G. and G. V. Jones, Tauranga

Dimensions - Natural Spread of Flowers 48 mm

Remarks - 11 spikes, 182 flowers. Brick red sepals and petals. Labellum white with red bands on distal end. Blemish free plant giving excellent evenly spaced floral display not dwarfed by short heavy foliage. Judges considered standard of culture to be extraordinarily high.

Award No. - 10/83 HCC OCNZ

Plant - Paphiopedilum venustum var. pardinum

Parentage - Species

Owner - Mrs S. Gray, Whangarei

Dimensions - Width of Dorsal 28 mm

Remarks - 1 spike, 1 flower. White dorsal with emerald green stripes. Petals green veined evenly marked, changing to mauve/purple at ends. Ventral marked similarly to dorsals. Pouch mauve fading to pale green lined with green. Colours clear and well defined. Exceptional stem of 290 mm from where it left foliage.

Award No. - 11 and 12/83 AD/AM
OCNZ

Plant - Cymbidium - unregistered grex
'Moonlight'

Parentage - Wallara 'Gold Nugget' x
Lunegrad 'Elanora'

Owner - Gronwall and Dawe Orchids,
Whenuapai, Auckland

Dimensions - Natural Spread of Flowers
121 mm

Remarks - 1 flowering bulb, 1 spike with
13 flowers. Clear glistening fresh
canary yellow. Lip spotted red. Spike
very well balanced and free of all
blemish. Well displayed blooms of
high quality.

Award No. - 13/83 AD OCNZ

Plant - Cymbidium Mem. Harold Willetts
'Mahogany'

Parentage - Volcano 'Meneheune' x Suva
'Lucifer'

Owner - Gronwall and Dawe Orchids,
Whenuapai, Auckland

Dimensions - Natural Spread of Flowers
113 mm

Remarks - 2 flowering bulbs, 2 spikes, 1
x 13 flowers, buds 1 in sheath. Dark
mahogany red, cream lip with wide
band of port wine, column yellow
tipped mahogany. Outstanding
colours on a well displayed spike.
First flowering seedling.

Award No. - 14/83 AM OCNZ

Plant - Novelty Cymbidium Little
Bighorn 'Yellow Hair'

Parentage - Dag x Sussex Moor

Owner - Mr A. R. Napper, Hamilton

Dimensions - Natural Spread of Flower
70 mm

Remarks - 2 spikes with 30 flowers. Pale
green sepals with ochre markings on
distal end of white lip. This cultivar
previously awarded last year.

Award No. - 15/83 CCC OCNZ

Plant - Laeliocattleya Culminant 'La
Tuilerie'

Parentage - Ile de France x Gaillard

Owner - Mrs K. White, New Plymouth

Dimensions - Natural Spread of Flowers
154 mm

Remarks - 6 flowering bulbs, 6 spikes 22
flowers. Lavender sepals, labellum
cerise veined gold with gold throat.
Vigorous unblemished plant. Well
positioned blooms for best display
and of excellent quality.

Award No. - 16/83 CCC OCNZ

Plant - Phalaenopsis Sylvania Fair
'Melville Wells'

Parentage - Fair Alice 'Toshi' x Malibu
River 'Toshi'

Owner - Mr R. W. Wells, Birkdale,
Auckland

Dimensions - Natural Spread of Flowers
104 mm

Remarks - 1 spike of 27 flowers and 2
buds. Colour glistening white, yellow
shading and brown markings in
throat. Well grown plant, well
presented. Flowers well spread and
free of all blemish. Clear clean
glistening foliage.

Award No. - 17/83 AM OCNZ

Plant - Novelty Cymbidium Marycano
'Jan'

Parentage - Mary Pinchess 'Del Ray' x
Volcano 'Menehuene'

Owner - R. and N. Armstrong, Auckland

Dimensions - Natural Spread of Flower
70 mm

Remarks - Orange/apricot petals and
sepals with large yellow lips with red
edging to bottom of lips. Good full
round flowers, well displayed on tall
single spike of 16 flowers.

Around the World

by J. Bradley

Continued . . .

Plants only are sold so flower production is a totally different enterprise. All size of plant are distributed world wide with 80% of production exported. Media is also allowed throughout the E.E.C. countries so the plants may be shipped under minimal stress conditions — however, for air-freight plants are generally bare root as a result of the high cost increase on weight.

Ratcliffes are also now expanding into the phalaenopsis and odontoglossum genera with a similarly high standard plant resulting. Their catalogues give full details of crosses available and are worth while sending for. If in England, I would recommend a visit to the nursery where I am sure Paul Phillips or a member of his staff would make one most welcome.

VACHEROT & LECOUFFLE OCTOBER 1983

The highlight of my orchid visiting trip so far would have to be this incredible nursery. The world reknown standard of plants, the highly advanced breeding of many genera of the orchid family is startling. Although I was not at the nursery at the height of the flowering, many spectacular blooms were present throughout. The phalaenopsis house was truly a wonderful sight. All shades of pink and yellow, large graceful whites, also stripes and spots of infinite combination. The plants are lush with thick leathery unblemished leaves. The trays of small plants just out of flask are rampant with growth showing no loss of young plants in the deflasking process. Both hygienic flats and trays of individual cells are used for the young plants, allowing quick movement of large quantities of plants.

Growth conditions are as follows — Temperature 16° C./18° C. minimum with constant humidity and constant air movement. Light % moderate approx. 15000 Lux achieved through lath shading and whitening of the houses. Fertilization is by use of 18 — 18 — 18 N P K ratio solution with an increase of P and K during flowering. Media used throughout the nursery is bark, polystyrene chips and polyfoam chips MgCO₃ is added to counteract acidity with the bark decomposition. The breeding of phalaenopsis is very exciting with many combinations previously thought unbelievable appearing in this nursery. Crossing of established hybrids with original species is adding different patterns of spots and stripes to the petals, scent to the blooms from Pivoliacea 'Borneo' lines, many shades of yellow from Pamboinersis hybrids and pink intensity from Daritaenopsis. Not only are seedlings available but also meristems as Vacherot and Lecoufle perfect their technique of node culture. From this last season in Europe it appears that a change in day to night temperature, that is lowering, assists the initiation of spikes as with many other genera.

Vacherot & Lecoufle are also well known for their large range of odontoglossum and allied genera including intergenerics. These are grown at a lower temperature than the phalaenopsis around 12° — 15° C with a maximum of 25°/28°. Light intensity is also different so, as much light as possible is admitted without increasing the temperature of the houses. Consequently only the south facing slope of the roof is whitened for summer and during winter there is no interception of light except the glass and internal layer of polythene used for insulation purposes. New Zealand growers must

remember though, that the light quality is 100% better in our country than Europe.

The demand is high with this genera for pot plant purposes in Europe where many people live an apartment life, also where winter reduces the possibility of an outdoor garden. However, there is also much potential for the cut flower trade as current breeding tends towards a longer lasting bloom in a very wide range of vibrant colours.

Also produced at the nursery is a wide range of cattleya, miltonia, paphiopedilum and cymbidium with detailed listing of each in their current catalogue.

To return to the heart of the nursery, one must consider the laboratory where seeds are sown, meristems of most genera encouraged to proliferate. The experimentation undertaken in this laboratory has lead to wide range of freely propagatable plants once only

increased by slow division. Understandably, with much expense outlaid in developing the media combinations required for such delicate plant material to grow, Vacherot & Lecoufle are not prepared to release the chemical composition. However, a visitor is free to wander through the extensive growing on area where one sees endless rows of glass bottles and jars. All are sealed with a rubber bung with cotton wool gas exchange and additional sealing with glad-wrap.

This is a brief summary of the main establishment at Boisey St. Leger where orchids have been grown since 1886. There is now also 4000 m2 of glasshouse in the South of France in a new modern equipment setting, additionally Phillipe LeCoufle has a cymbidium flower producing nursery 8 kms. from Boisey St. Leger where he has 2000 m2 of glass covered area.

to be continued

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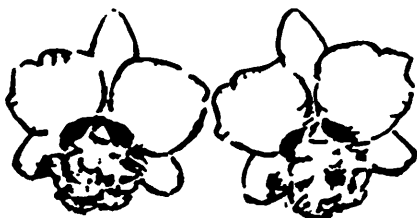
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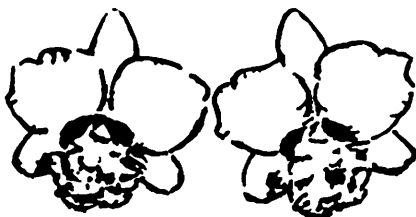
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Paphiopedilium Kolopakingii

Recently an expedition to the forbidden forests of mid Borneo discovered this super giant paph resembling paph Rothschildianum. Seventeen plants were obtained before the local tribes armed with poisonous blowpipes forced a retreat. A flowering plant had a 1.5 metre flower stalk containing 14 flowers.

We have an allocation of six divisions which will be imported in spring along with many other newly discovered species.

We expect to be able to offer these at around \$350 each and reservations are now being accepted. One plant is held at our nursery now.

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Available from Nursery Now, Cymbidiums in Spike and Flower, Single and Multiple Spiked Plants ... \$12.50-\$30 each

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Because this company has the expertise and determination to capture lucrative overseas markets. To the growers benefit.

Established solely to produce, market and promote the growing of flower crops, Fleur International has achieved many successes.

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International affiliation has provided an outstanding marketing infra structure plus access to valuable techniques and production methods.

But, even more important, is the continued efforts of Fleur International to foster an expanding horticultural industry, based on the co-operation and consolidation of all growers.

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Polyminiature	\$ 9.50	\$21.00	\$ 75.00	\$69.00 per 1,000	
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TAPE	1 Roll	5 Rolls	10 Rolls		
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Export Box					
(2 colour printed NZ Cut Flowers)	1,000mm x 1,600mm x 150mm		\$1.80 each		
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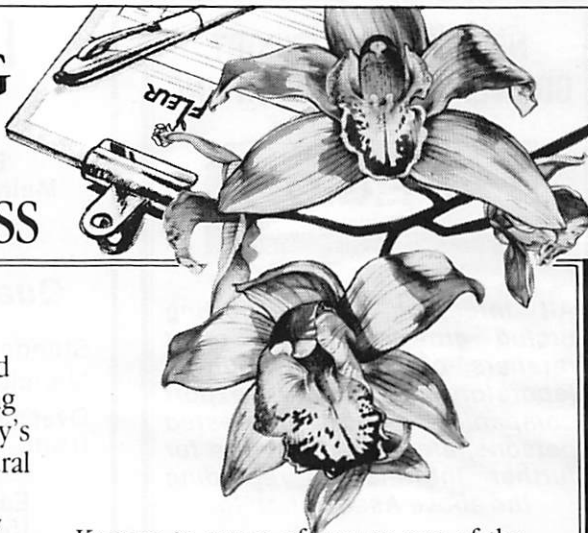
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Fleur International is committed to assisting growers establish a cohesive organisation to capitalise on export potential.

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GROWERS ORCHID ASSN. INC**

NZ E.G.O.

All intending and exporting orchid growers, orchid plant retailers, orchid tissue culture laboratories, orchid export companies and interested persons, are invited to write for further information regarding the above Association to:

**The Secretary,
NZ E.G.O.
P.O. Box 2107, Tauranga**

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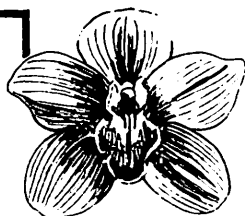
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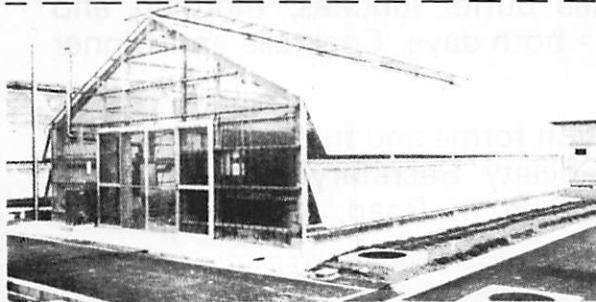
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NELSON ORCHID SOCIETY

Third South Island Orchid Seminar

**Trafalgar Centre,
Nelson**

6th and 7th October 1984

Lectures by well-known orchid growers will include *Odontoglossum* Alliance, *Paphiopedilums*, *Phalaenopsis*, Native Orchids, *Cymbidiums*, *Cattleyas* and a live video assisted presentation of Tissue Culture. Programme will also include a film on orchid growing produced by the American Orchid Society.

Registration \$55.00 before 31st August increased to \$65.00 for late registration.

This includes buffet lunches, morning and afternoon tea - both days, Cocktails and Dinner Saturday.

For registration forms and further information contact the Society Secretary, Mrs Margaret Richardson, 103 Point Road, Monaco, Stoke, Nelson.

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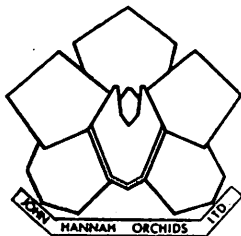
Bagdemagus 'Paul Miller' AM/AOS, S/CSA

Via Mar Tranquila 'Mt. Cook' B/CSA

Charley's Angel 'Raspberry Lime' B/CSA, HCC/AOS

Crackerjack 'Midnight Magic' AM/AOS, S/CSA

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