

Newsletter



1991
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October

Royal New Zealand Institute of Horticulture (Inc.)

Botanic Gardens in New Zealand:

Future Roles and Responsibilities

As we move into the 1990's, concern about the fragility of the earth's ecosystems is causing an unprecedented demand for action to prevent further deterioration. The public require information on the problems and the possible solutions and want to know in what ways they can help.

Botanic gardens are facing up to these environmental challenges, and are ideally placed as outdoor nature classrooms to introduce people of all ages to the plant world and its diversity. To carry out this work effectively, however, requires adequate resources and it is of concern to the Institute that at the same time that botanic gardens are taking on greater responsibilities in this area, financial pressures on many of them are increasing. In England, Kew Gardens recently had its government grant cut and had to substantially raise its entry fee to cover the shortfall: Hull University Botanic Garden has closed and the land subdivided for housing, partly because of financial pressure on the University. In New Zealand, where botanic gardens are funded by local or regional authorities, ratepayer demands for low rate rises and fiscal restraint will affect all services including botanic gardens. Political decisions regarding the future of regional councils are also of concern, given the funding of the Auckland Regional Botanic Garden by the ARC.

The botanic garden system in New Zealand will survive, but to remain an effective force means gardens must work more closely together and overcome these challenges collectively. The RNZIH believes it is time for gardens and arboreta to get together and discuss their future roles and responsibilities. People, Plants and Conservation is the title of the Institute's 1992 Conference being held in Wellington from 19 to 22 March. The conference will be of interest to all those involved in the management of plant collections and will have as its main themes:

Education and Interpretation;
Conservation;
Collection management and record keeping.

New Zealand does not have a national botanic garden funded by government. What it does have, however, is an extensive system of plant collections growing plants from the tropics to the sub-antarctic. If all of these collections can coordinate their work in only a few ways we will have a truly national botanic garden of which we can all be proud.

Mike Oates
Chairman of National Executive



Executive Officer's Notes



Recently meetings of the Institute's National Executive and Examining Board have been held at the Education and Environment Centre, Wellington Botanic Gardens. Foremost in the discussions was consideration of a paper prepared by Ron Flook and John Williams, "R.N.Z.I.H. 2000" looking at alternatives and options for the development of the Institute. A sub-committee has been formed to further develop these draft proposals and details will be forwarded to Branches for comment.

Restructuring of national horticultural qualifications and the work of the National Co-ordinating for Horticultural Qualifications (N.C.C. H.Q.) a committee administered by the R.N.Z.I.H., also came under the spotlight. A report on this restructuring work has been prepared and is available to interested parties on request from the National Office.

Nominations for Associates, Fellows and Plant Raiser's Awards all close on 1 December 1991. Nomination forms are included in a booklet detailing all Awards and Honours offered by the Institute which has recently been distributed to all Branches. Think **now** about deserving recipients in your area.

Subscriptions: Once again it is subscription time. Renewal invoices are being mailed at present and are due for payment by 30 November for the 1991 calendar year. As you all know, this income is the lifeblood of the Institute so please act now, fill in your sub renewal and forward by 30 November (and by so doing receive a 10% discount).

Material for the next Christmas issue newsletter is required by 1 December. Snippets of news, notification of impending events, articles of horticultural detail are all interesting to other members so please forward these **now**.

Loder Cup 1991



New Zealand's premier award for outstanding work with native plants has been won this year by a longstanding Tauranga conservationist. Conservation Minister Denis Marshall announced recently that the Loder Cup this year would go to Mr Reginald (Reg) George Janes, a Royal Forest and Bird Protection Society stalwart. The Loder Cup competition is jointly administered by the Department of Conservation and the Royal New Zealand Institute of Horticulture through the Loder Cup committee.

Mr Janes, born in Wellington in 1911, was nominated by the Bay of Plenty Council of the NZ Nurseryman's Association. He gained a vast knowledge of native timbers from their use in school classes while he was teaching in Tauranga. Timber was locally-milled and

he saw wastage from clear-felling, lack of selective use and the non-replacement of the resource.

Associated with Scouting for many years, Mr Janes established a native plantation behind a Scout Hall. He became a member of the Bay of Plenty Tree Society shortly after its foundation in 1962. Mr Janes has supplied thousands of native trees to many groups for revegetation work. Over the last three tree-planting seasons, he has organised school groups with the help of the Tauranga branch of the Royal Forest and Bird Protection Society to plant thousands of native trees. Mr Janes has been a member of the national council of the Royal Forest and Bird Protection Society for 25 years and a member of the national executive for five years.

Mr Marshall said Mr Janes' efforts over many years helped in education and public awareness over conservation issues, both locally and nationally. Mr Janes played a prominent role in the "Save our Kaimai National Park" campaign, which led to the halt of native milling, the establishment of separate exotic plantations and the formation of the Kaimai Forest Park.

Mr Marshall said that in these days of heightened conservation awareness, it was important to recognise the great efforts of the earlier conservationists who worked so hard in sometimes hostile environments to protect and enhance natural New Zealand. "The country owes a great debt to successive groups of conservationists and it pays to remember the pioneers of this concern."

"Mr Janes is a worthy recipient of this premier conservation award. His example is outstanding," said Mr Marshall. A presentation ceremony has been organised for 1 October 1991, in Tauranga.

Note: A new booklet, "The History of the Loder Cup has been produced jointly by the Department of Conservation and R.N.Z.I.H. Copies are available from the R.N.Z.I.H. National Office at \$15.00 each.

Awards & Honours

Please note all nominations for Associates of Honour, Fellows and Plant Raisers close on 1 December 1991.

Nomination forms for the above awards are available from:

- Local Branches of R.N.Z.I.H.
- The Executive Officer,
Royal NZ Institute of Horticulture (Inc.)
P.O. Box 12,
Lincoln University
Canterbury

Notable Trees

Since March, registrations of notable trees have not been numerous but, to compensate for this, there has been considerable activity by some of the Committee in preparing for at least 43 registrations of Wellington Botanic Garden trees.

In the same period the following registrations have been approved:

Registration No. 213 Pink magnolia *Magnolia x soulangiana* on the south bank of the Otaki River. 2300/7/12 (Girth in mm/Height, m./ Spread of canopy, m.)

214 Northern rata *Metrosideros robusta* at Bushy Park, a NZ Forest and Bird Protection Society property Northwest of Wanganui, about 8 km from Kai-iwi. 14655/43/30. The only *M. robusta* in our register and, with a girth of over 14.6 metres, a veritable giant. (See front-cover photo of "Great Trees of NZ" Burstall and Sale)

232 Pohutukawa *Metrosideros excelsa*, 10500/20/29 on Mayor Island, Bay of Plenty. No. 38 of the 100 Great Trees listed in "Great Trees of New Zealand". Also Dr Allan's No. 44.

233 Black poplar, *Populus nigra* 5560/27/19 in Lower Hutt. The subject of current litigation.

234 Tulip tree, *Liriodendron tulipifera* 4500/32/17, at Picton. Planted in 1870 by a member of the Hart family.

Wilf Watson

Travelling Display Available

A display promoting the Notable Trees Committee and its work is available for use by all members of the Institute, allied or interested organisations. The display has been created to increase awareness of the Notable Trees Committee and its work and can be obtained by contacting:

The Executive Officer, R.N.Z.I.H.
P.O. Box 12, Lincoln University
Canterbury.

Ph & Fax (03) 325 2923

R.N.Z.I.H. Branch News

Auckland Branch

Annual Report, 1990-1991

I have pleasure in presenting the report for the year 1990-1991.

During the year, the Auckland District Council held two evening meetings, an early evening buffet meal at the Regional Botanic Gardens at Manurewa, followed by a lecture, two afternoon meetings, and joined the Friends of the Botanic Gardens on a guided tour of the Perennial Borders. The speakers at the meetings were :

Mr. Garth Falconer - The parks and public places of Paris

Dr. George Argent - Vireyas

Mr. Kenneth Cox - The gardens at Glendock

Mr. Mike Calnan - Garden survey of Stowe.

Mr. Walter Cook - Beyond the taupata hedge: a look at the late nineteenth and early twentieth century landscape and public gardens of Wellington

Mr. Brett McKay - Biology of Lord Howe Island.

I am delighted that Mrs. Muriel Fisher has been elected an Associate of Honour of the Institute. This is most fitting recognition of the many contributions that she has made to the preservation and popularisation of our native plants. I am also pleased to congratulate Mr. Neville Haydon who received the Plant Raiser's Award and Mrs. Val Bielecki, Mr. Bob Edwards, Professor Frank Newhook and Dr. John Rogers who were all elected Fellows of the Institute. It is most gratifying, with the Annual Conference being held in Auckland, that the contributions of so many local members should have been acknowledged. Citations for Associates are published in *Horticulture in New Zealand*. I note that Dr. Ron Davison has taken over as editor of *Horticulture in New Zealand*.

The main event of the year was of course the Annual Conference of the Institute held in conjunction with the New Zealand Arboricultural Association. The organising of this conference was a major challenge for the committee but I hope that in most aspects we were successful. The facilities at both the University Conference Centre and O'Rorke Hall were very good.

I would like to thank all members of the committee for their hard work throughout the year. I wish the incoming Chairman and Committee every success. It will be a challenge to retain the interests of our members as the role of the Institute changes.

A.R. Ferguson

Wellington Branch

The Ian Galloway Memorial Lecture

In early April, Walter Cook presented this lecture in the new Education Centre at the Botanic Garden. It was titled "Wellington Town Belt - a peoples' park - a heritage for everyone". A very topical title at a time when the use and future of the Town Belt is being reviewed.

The Wellington Botanic Garden is part of one of Wellington's most conspicuous features - The Town Belt. Walter was an apprentice at the Garden in the early 1960's, so he's had a long association with the Town Belt. This Belt is the oldest planned open space in Wellington. It was set aside in 1840 to separate town and country. No buildings were to be built on it. It was unique in a time when not much interest was shown in such features. In Britain there was a tendency towards the wealthy owning the open spaces. However, the Town Belt was planned to be used by all, and not just the privileged.

The Belt was originally 615 ha, but has been gradually whittled away over the years, so about one third of the area has been lost. Sports grounds and roads have carved into the area as well.

The area that has been lost has gone despite legislation and pressure from residents to retain the belt. Acts of Parliament may still threaten the Belt, unless people are really vigilant. In the current economic climate the Belt may be considered as a source of revenue. It may not be sold outright, but rented or leased for revenue. The public, who own it, must determine the future, and note the determination of the past that has seen the Belt remain relatively intact.

The Wellington Botanic Garden - One Hundred Years of Council Management

The next twelve months will see a series of events taking place in the Garden to celebrate one hundred years of City Council management. The Garden was established in 1868 and administered by the N.Z. Institute until being transferred to the City Council on 21 September 1891.

On 21 September this year, Floriade (the centenary year celebrations) began with Founder's Day, including a pageant through the Garden portraying the important events in the Garden's history. It ends at the main gates on Glenmore Street. The Mayor unveiled marble tablets on the gates which will be renamed The Founder's Gates in honour of

R.N.Z.I.H. Branch News continued

of the many people who established and maintained the Garden in those early days. The day concluded with a Centenary Dinner at the Park Royal.

The big event of the year takes place from 15 to 17 November on Anderson Park, including the National Spring Rose Show, Floral Displays, Trade Expo, seminars, guided tours, and much more.

An event for professional horticulturists occurs in March 1991 when Parks and Recreation, RNZIH, and Continuing Education combine to stage a four day conference on Botanic gardens. This will be a first for New Zealand and will bring together staff from botanic gardens and plant collections in New Zealand and the South Pacific. The Conference title is People, Plants and Conservation, and will include sessions on conservation, collection management, and education and interpretation.

The last major event will be a Arbor Day planting in the Botanic Garden in June 1991. Plans aren't finished for this event which will see a planting of Californian pine species in the Magpie Lawn area.

A busy year ahead for the Botanic Garden and staff. For more information on Floriade, please contact Mike Oates, Curator, Botanic Garden and Otari; Phone 801 3071.

Hackfalls Arboretum

North of Wairoa, Northern Hawke's Bay, is the small township of Tiniroto on the "inland" road to Gisborne. Just 3km out of Tiniroto is the farm owned by the Berry family - it's called Hackfalls Station. It has an area of 760 hectares.

In the 1950's Bob Berry began developing the arboretum. Now there are 56 hectares of plantings, containing something over 2,000 species of plants. Included is one of the largest collections of oaks, poplars and maple trees owned privately in New Zealand.

There is quite a history of exotic plantings on the station. Bishop Selwyn is thought to have given fruit trees to the local Maori people in the 1860's. Although apples, cherries and peaches from these early plantings became naturalised, they have died out over the years due to neglect and, of course, old age!

If you are travelling up to Northern Hawke's Bay and would like to visit Hackfalls, you can get more information by phoning (06) 863 7083.

**Extracts from Chairperson's Annual Report 1990 - 1991
Wellington Branch**

This year has been rather busy and I would like to take this opportunity to thank all the members of the Committee for their continued time, effort and support. The many operations we have been able to carry out has only been because of the voluntary time put in by the Committee members.

The Branch ran public pruning demonstrations for the general public and for students from the local area. These were both particularly successful and had a good turn out.

This year two public seminars on historic gardens were organised in the months of September and November. I would like to commend the work done by Mr. Robert Lowe in organising the visit to Masons Garden in the Hutt, and Frank Van Der Boss for the time he gave to the guided visit to the Truby King Garden. I feel both these visits raised our profile with the general public and increased the general interest in the historic gardens of the Wellington region. I feel we should continue to provide this importance of our garden history.

Our Christmas meeting was particularly successful, and Donal Duthies description of the wild flowers of Wellington was extremely interesting. It was of great interest to me to realise how widely spread these adventive species had now become.

Since Christmas the Policy Sub-Committee has been extremely busy preparing submissions to be made to the Wellington City Council on our behalf on the management plans of the Truby King Garden, the Inner Town Belt, and Wrights Hill. I would like to thank the members of that sub-committee for the extensive work they put into developing these submissions.

Finally I would like to thank Dennis Hicks for the great help he has been in stepping in to Chair the Committee while I was away for three months this year, and secondly for his continued sensible support and advice. I always appreciate his gentle reminders of details which need to be finished to ensure the job is completed.

Rob Smith,
Chairperson

N.Z.A.A. News

Special General Meeting

The Wellington meeting held on Saturday 7 September ratified the following :

1. Some minor syntax/grammatical alterations to the Constitution.
2. Rules for Advertising
3. Application form/preliminary assessment (to be completed prior to examination)
4. Information sheet (supplied to each applicant)
5. Practical section of examination (format and examination criteria)
6. Appointment of two Chief Examiners.

There has been an alteration to the format of the examination schedule into three separate sections (see 3,4,5, above). Copies of the new version shall be supplied to members when the final copies are complete

The Constitution - all Documents related to the "approved Contractor Scheme".

They were passed after extensive scrutiny and some further amendments added to the changes made by the Executive Committee in their meeting of 6 September (which lasted about nine hours...). However, it appears that we now have a document which provides good guidance for the Examiners and it really needs to be tested in practice. The final draft will be ready in due course and Members who wish to apply for the "Approved Contractor Status" can write for further information to - The Executive Officer, NZAA, P.O. Box 16 Lincoln University.

An Update on the progress with the Safety code was also given to the meeting by the Executive: The NZAA Exec. had a meeting with Lester Bell of the Occupational Safety and Health Authority on 6 September in Wellington, which was preceded by a meeting between OSH and members of the NZAA sub-committee for this safety code, the week before. Both meetings reflect quite clearly the relaxed atmosphere which is needed to compose such an important document and we will have ample time to do so, with regular updates to you as a member. You will be kept informed. Those members wishing to obtain a copy of the draft proposals may contact:

Lester Bell, Occupational Safety & Health Committee, General Manager's Office, P.O. Box 3705, Wellington.

Following the appointment of the two Chief Examiners, we are now seeking applicants for the positions of Assistant Examiners. Those wishing to volunteer please submit all relevant details to the Secretary, NZAA- Mr. John Wakeling, 75 Brookfield Street, Hamilton.

The NZAA will also conduct a nationwide survey on climbing systems currently used. The Executive has also approved the purchase of an international research document on climbing systems recently published in England as an aid to writing the safety code on this subject.

The Oak Tree Avenue in Hastings (appr. 300 Oaks planted around 1880) was recently registered on the Notable Trees Scheme. The Hastings District Council spent also some \$25,000 - on the first phase of an overall maintenance and preservation programme. Talking about the Notable Trees Scheme. Many more trees need to be registered. Interested to become a Tree Registration Officer? Please write to our secretariat. The Notable Trees Committee has available a display unit for promotional purposes. This display can be given on loan at no cost. Bookings: Executive Officer, RNZIH, PO Box 12, Lincoln University, CANTERBURY.

The Trees and Forests Week initiated by MoF last August was a major success in DUNEDIN, where in excess of 3500 people participated in activities.

The organisation of the RNZIH/NZAA conference 1992 in Wellington is well under way and looks extremely exciting! Keep the third weekend in March free!

On the Edge

A Publication detailing Management Options for Plantation Edges

The New Zealand exotic forest estate is approaching a major phase in production harvesting. The forest sector recognises that this will have significant environmental and visual impacts on the landscape.

Principles in forest planning, design, and management that have been developed both nationally and internationally within the forest sector provide the basis for sound forestry landuse practices. These principles acknowledge the cultural, environmental, and visual values associated with the landscape where exotic plantations are being grown.

This publication has been prepared by Jenny Moore, a Ministry of Forestry landscape architect, and includes comments from staff in forest industry, local authorities, Department of Conservation, and Ministry of Forestry Regions. It provides practical ideas and options for managing the forest edge to enhance the visual quality of exotic forests seen from the road. These ideas will benefit the forest sector and the community by demonstrating that forestry in New Zealand can be a landuse that is attractive and responsible as well as productive.

For further information contact - Ministry of Forestry, PO Box 25-022, Christchurch.

N.Z.A.A. News continued

Medieval Germany: Tree Protection

In Medieval Germany, anyone caught peeling bark from a standing tree could expect to have their bowels cut out and nailed over the damaged part of the tree.

Today's trees still have to be protected but modern methods are thankfully, no longer so drastic. In the U.K. for more than 50 years, it has been accepted that specific statutory protection is necessary for trees of amenity value and this is currently provided by the Town and Country Planning Act 1990 which enables local planning authorities to make a 'Tree Preservation Order' (TPO) as appropriate. But few people totally comprehend the administration of TPOs.

Last year, the then Environment Secretary Nicholas Ridley, appointed James Batho to undertake a comprehensive review of TPO policy. In response to it, the Department of Environment has now issued a consultative paper (Review of Tree Preservation Policies and Legislation).

Some of the major proposals are:

Making an order: the present form of order could be simplified to consist of a map and a description of the tree(s) protected.

Serving an order: since overhanging branches may mean a neighbour has an interest in a tree, it is proposed that copies of TPOs be served on any owner whose property lies within 15m of the protected tree's trunk.

Area orders: the government believes these should be limited to areas where development is in prospect and to sites where trees contribute significantly to a setting.

Right of objection: it is proposed that the initial right of objection be withdrawn.

Appeals: the Government is considering limiting the grounds of appeal to hazards and risk of structural damage caused by protected trees, dying trees, inference with reasonable enjoyment of property, and lack of grounds for making the order.

Exemptions: regarding dangerous trees, it is suggested that only those which are immediately dangerous should be exempt. The onus will be on the owner to prove the work was essential in the interests of safety, health or the tree's preservation; that temporary or remedial work would not have been sufficient, and that the work was kept to the minimum.

Checklist of Phormium Cultivars

The checklist has been compiled by Peter Heenan, Botany Institute DSIR Land Resources, and includes information on the original place the cultivar name was published, a description (where available), any synonyms, and additional notes such as who introduced or selected the cultivar.

Over 380 cultivars of *Phormium* or New Zealand flax are listed; of these 197 are cultivars that have been selected and named by the Maori for their fibre which was used for weaving clothing, matting, containers and cordage; the remainder have been selected for ornamental horticulture and are chosen for their leaf form and/or colour.

Available from R.N.Z.I.H., Lincoln.

Can you Help?

Dear Sirs,

I am a trained and qualified horticulturist currently working in the Landscape industry in England. I am looking to extend my work experience by working overseas for up to a year and am writing to see if you can provide any addresses of firms or individuals to whom I can write to seek temporary employment in New Zealand.

Briefly my career so far has included Garden Centres, Nursery, Local Authority and private contracting. I am particularly keen to extend my knowledge of nursery practice and amenity horticulture and ultimately I hope to become a lecturer in these subjects.

I would be grateful for any information and advice you can provide.

Yours faithfully,

Robert Roberts
56 Dulwich Close, Green Park,
Newport Pagnell,
Bucks MK160PB, England

Note: A cv for Mr. Roberts is available from the editor.

—***—

Dear Sirs,

I should be very grateful if you could forward me the names and addresses of various horticultural establishments which could be of interest during a visit to New Zealand (North & South Islands). I am planning to fly out in November for a stay of about 6 months.

Although qualified in Agriculture, I am 28 years old and now employed in the horticultural industry! I am helping to manage a Hardy Nursery Stock Business specialising in trees and woodland plants which starts right from the "acorn" to planting the trees on farm. One of my own personal interests is in the dried flower industry, and I have started to establish a small stock of flowers and arrangements on the home farm.

I should be particularly interested in visiting businesses of this nature in N.Z. and hope that you can point me in the right direction. If at all possible, a certain amount of temporary work whilst in the country would also be greatly appreciated in this field.

Yours sincerely,

Caroline Taylor, Thorpe Trees,
Thorpe Underwood, Ouseburn,
York YO5 9SR, England

Plant Names

A Guide to Botanical Nomenclature

Recently I have had the pleasure of reading a slim 51 page volume originating in Australia. "A Guide to Botanical Nomenclature" by Peter Lumley and Roger Spencer, published by the Royal Botanic Gardens, Melbourne. It is divided into three parts, Part 1 - Wild Plants, Part 2 - Cultivated Plants and Part 3 - Using Plant Names. From the opening Foreword, which lists the eight most frequently asked questions on botanical names, to an excellent bibliography for those wishing to pursue the subject in greater depth, the reader is carefully and clearly guided through the correct nomenclature procedure for the plants in each of the three groups.

A guide to spelling botanical names, hints on how to remember them more easily and how to pronounce them, round off a publication I feel should be in the possession of every keen gardener and horticultural student and be compulsory bedside reading for all nursery staff and garden centre proprietors. It is the most readable explanation of the hows and wherefores of plant naming I have yet seen.

Copies are available from the Royal Botanic Gardens, Birdwood Ave, South Yarra, Victoria 31, Australia.

Des Rlach

Alternatively an updated version is currently being produced and will be available in December through the Institute at about A\$7.00. (Editor)



National Plant Collections Scheme

People are becoming increasingly aware of the need to preserve plants, be they cultivated or wild. In New Zealand, we have a plant genetic resource of global importance comprising a unique native flora, and plants introduced since the first humans arrived here a thousand years ago.

The Royal New Zealand Institute of Horticulture (RNZIH) is committed to the preservation of this resource and is working towards the establishment of a National Plant Collections Scheme. This Scheme will facilitate and promote the establishment of a network of plant collections throughout New Zealand and ensure garden plants and threatened New Zealand plants are not lost, but are retained in cultivation for future use.

The first stage involved a comprehensive national survey of plant collections. The survey is aimed at identifying significant plant collections, where they are and what they contain.

If you have any, or know of any plant collections please contact Keith Hammett, Plant Collections Survey, 488c Don Buck Road, Massey, Auckland 8 to obtain a survey sheet.

Please note that we are liaising with the International Dendrology Society who have recently undertaken a plant survey amongs their members.

Mike Oates,
Chairman, R.N.Z.I.H. National Executive

International Agricultural Exchange Association

Over the past 21 years more than 1300 young New Zealand people have become members of the International Agricultural Exchange Association and have travelled overseas to work on farms in Canada, Denmark, Sweden, Norway, United Kingdom, Germany, U.S.A., Japan and Australia. There are many opportunities for 18-30 year olds who have an interest in agriculture or horticulture and also for those with less experience to be placed as nanny/ housekeeper but also doing work on the farm. All placements are on selected farms and the trainees are supervised by an ex-IAEA trainee. The main departure time for New Zealanders is from February through to April each year with two programmes departing in October.

Trainees that come into New Zealand each year arrive in August and October and are placed over the entire spread of New Zealand on selected farms with Host Families who are prepared to spend time coping with language difficulties, cultural differences and treat their trainee as one of the family.

I.A.E.A. was founded in 1963 and on a world-wide basis has around 1000 participants every year. I.A.E.A. is a democratic, non-profit organisation and has a strong network of volunteer Host families and Past Trainees from who the International Board is selected. In many member countries I.A.E.A. works closely with rural youth organisations, Y.F.C., Agricultural Colleges, etc.

For further information contact :
Anne Richardson,
I.A.E.A. Office
P.O. Box 328
Whakatane

Horticulture Export Statistics

Horticultural Exports	1989 \$NZ f.o.b.	1990 \$NZ f.o.b.	1991 \$NZ f.o.b.	% change 1990-91
Stonefruit	7,393,154	9,521,036	12,362,878	+ 30
Berryfruit	7,553,454	8,730,246	7,748,100	- 11
Citrus Fruit	578,722	1,075,732	1,301,814	+ 21
Subtropical Fruit	461,130,644	546,348,825	531,038,504	- 3
Pipfruit	159,525,738	219,909,678	304,754,759	+ 39
Other Fresh Fruit	640,449,994	789,767,654	857,206,055	+ 9
Processed Fruit	61,017,135	65,596,033	82,117,295	+ 25
Fresh Veges	79,079,013	98,425,384	96,634,092	- 2
Processed Veges	77,258,890	98,799,470	103,409,011	+ 5
Total Cut Flowers	16,054,530	18,960,268	24,691,345	+ 30
Foliage	863,203	314,518	443,952	+ 41
Seeds & Plants	8,473,410	6,970,658	12,210,512	+ 75
Total Hort Exports	866,745,632	1,078,833,445	1,176,712,262	+ 9

Source: Department of Statistics - Figures are for the last three years ending each June.

International Plant Propagators' Society

Student Award in Plant Propagation

Introduction

The object of the Society is to encourage its members to share their knowledge and experience in the many areas of plant propagation. The Society's motto "To Seek and Share" accurately states its aims.

The Society is a practically-based organisation with membership open to propagators, growers, students, advisers, technicians and research workers.

It is hoped that the publicity of the award among students will create a better awareness and understanding the Society's objectives of encouraging young propagators towards a career in plant propagation.

Aim

To reward top achievement in the study of plant propagation.

Terms of Award

To be awarded annually through institutions with specific study programmes in plant propagation where top achievement by students

can be measured. For institutions to qualify they must outline their courses in plant propagation and the proposed method of student selection. The prize is Bruce McDonald's book "Practical Woody Plant Propagation for Nursery Growers".

For further information please contact:

Roger Appleton
Chairperson IPPS Young Propagators Committee
Wakefield
NELSON.

R.N.Z.I.H. National Office Phone Numbers

Please note new numbers :
Phone: (03) 3252811 Ext.8670
Facsimile: (03)3252923

Newsletter
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