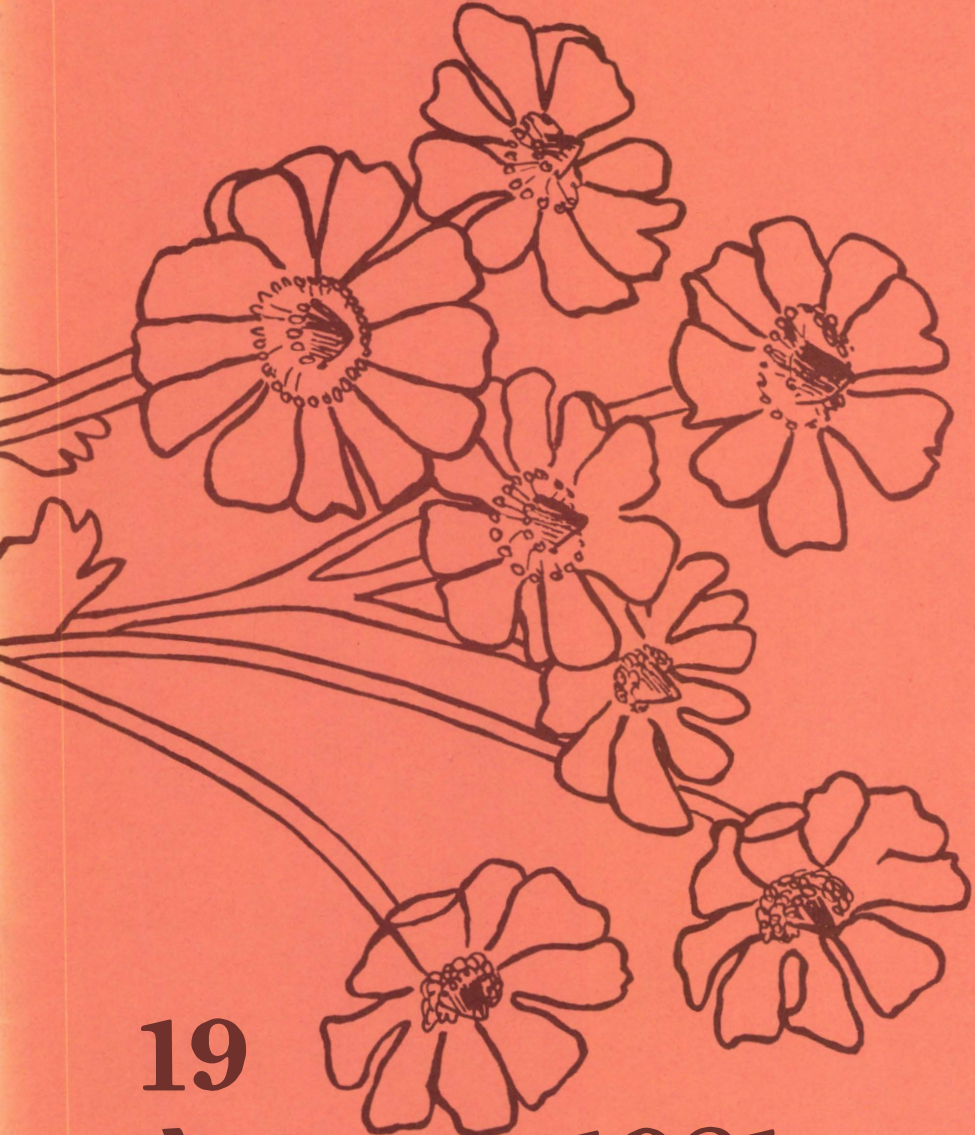


Horticulture

in New Zealand

Bulletin of the Royal New Zealand Institute of Horticulture (Inc.)



19

Autumn 1981

HORTICULTURE

IN NEW ZEALAND



BULLETIN OF THE ROYAL NZ INSTITUTE OF HORTICULTURE
NUMBER 19, AUTUMN 1981

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ROYAL NEW ZEALAND INSTITUTE OF HORTICULTURE (INC).

Patron : His Excellency the Governor-General

Vice - Patron : The Hon. Duncan MacIntyre,
Minister of Agriculture & Fisheries

President : Dr J.D. Atkinson, OBE, D.Sc., M.Sc., AHRIH.

Chairman of Executive : Mr J.O. Taylor, MBE, NDH., AHRIH, FIPRA.

Chairman of Examining Board : Dr R.C. Close, M.Sc., Ph.D.

National Secretary : Mr R.A. Foubister,
P.O. Box 12, Lincoln College.

Bulletin Editor : Mrs Barbara McCartney.

The Editor welcomes articles, letters and news items for consideration for publication. Contributions should be addressed to the Bulletin Editor, P.O.Box 12, Lincoln College.

Views expressed are not necessarily those of RNZIH.

Registered at Post Office Headquarters, Wellington, as a magazine.

~ Editorial ~

Horticulture as a full-time profession continues to increase in popularity. Perhaps it is the current employment situation that is causing more and more people of all ages to enquire about the qualifications offered by the RNZIH - the National Diplomas in Horticulture and Apiculture, and Horticultural Sales' Certificate. Mrs Enid Reeves is kept busy in the office answering the many applications and processing the registrations.

My own horticultural experience has increased greatly over the past few months, since moving from a house with a 15 year old, 35 perch garden to a 50 year old, 50 perch one. There has been much tidying up and trimming to do and some replanning needed. The kowhai and *Gingko biloba* are giants compared to those we left behind, and it is the first time I have had feijoas, pears, apricots and kiwifruit in my own garden.

Horticultural friends gathered round when it was learned that a very dead-looking (in October), gnarled, 20' tree is in fact an *Erythrina crista-galli*, producing dramatic spears of red leguminous flowers amidst spring-fresh foliage. (Perhaps the Christchurch smog has protected this specimen from frost.) There has been a steady demand for seed pods and seedlings. In the winter this tree will revert to its dormant state, and the spent, dry shoots will make excellent kindling.

The RNZIH 1981 Annual General Meeting will be held in Christchurch from 1st to 3rd May. The enclosed brochure sets out the varied programme arranged by the Canterbury District Council, and it is hoped many members will be able to attend.

The 1981 Banks Memorial Lecture will be given by Dr. H. Connor on the subject of 'Poisonous Plants in Horticulture' on the evening of Saturday 2nd May, in the Canterbury Museum new lecture room. Make sure of being there, if at all possible.

- BARBARA MCCARTNEY,
Editor.



RNZIH CHAIRMAN'S REPORT TO ANNUAL GENERAL MEETING MAY 1981

Ladies and Gentlemen -

On behalf of the National Executive I am pleased to present the Annual Report for the year ended 31st December 1980.

Membership : this now stands at 1683, of which 716 are student members.

Because students must become members of the Institute in order to proceed with the National Certificate, Sales Certificate and National Diploma in Horticulture and Apiculture examinations, we are now building a reservoir of younger members. These younger people will not only become horticultural leaders in the future in their own sphere of influence but will also provide a nucleus from which leaders within the Institute will be drawn. Already a recent graduate of the NDH is a candidate for the National Executive.

To the long standing and loyal member of the Institute who has remained a member throughout days of change when direction seemed to elude us, I say thankyou. Your continued interest in the Institute and its activities has been a major factor in keeping up our strength both numerically and financially.

Over several years the general membership subscriptions have provided a form of subsidy to the Institute's examinations system. In other words, the vitally important matter of student learning and examination has been assisted by a portion of the annual subscription being used to support the examinations when student fees and Government subsidies have not been sufficient to cover total costs. Today our student membership is allowing a financial growth to take place which augurs well for the future.

The incoming National Executive will be giving serious consideration to ways and means of improving service in the future to all members, for the furtherance of horticulture in New Zealand.

In Memoriam : we record with regret the passing of the following members during the year :

Mr J.H.Barnard, FRIH and Life Member - Hawera
Mr I.G.McK.Forbes, FRIH and past Examining Board member -
Wellington
Mr A.M.Brljevich, FRIH - Auckland
Lady Davies - New Plymouth
Mrs O. Crawford, honorary Life Member - New Plymouth
Mrs L. Young, member since 1950 - Manaia
Miss I.M. Corbett, member since 1965 - New Plymouth
Mrs D.M. King, member since 1957 - New Plymouth
Mrs J.E. Sinclair, member since 1976 - Dunedin

Fellowships : Congratulations are extended to the following members who were elected to Fellowships during the year for their continued interest in and contribution to horticulture both locally and nationally :

Mr David D. Rowe - Wellington
Mrs Mary E. MacKenzie - Lower Hutt

CHAIRMAN'S ANNUAL REPORT (CONT) ...

Mr Brian L. Buchanan - Auckland
Dr Maxwell G. Goodey - Auckland
Mr Christopher H. Howden - Auckland
Mrs Robin Bagley - Dunedin

Associates of Honour : at the Annual General Meeting in May 1980 at Hamilton our highest award, the Associate of Honour, was conferred on the following :

Mrs Daisy Alice Hardwick - Tauranga
Mr Edward Hugh Latimer - Auckland
Mr Richard John Nanson - Wellington

The citations regarding each recipient are given in full in the Institute's Annual Journal, No. 8 (1980).

District Councils : there are eleven District Councils throughout New Zealand which meet on a regular basis for the benefit of members. The dedication, in particular, of committee members in each district is very much appreciated and I should like to acknowledge the continuing work which is carried out by the stalwarts of the Institute.

Sub-Committees :

Regional Horticulture - this year has again been very active and progressive for this committee under the able chairmanship of Mrs R.W. Shepherd. The full committee report will be given at the Annual General Meeting and published in a subsequent Bulletin.

Notable & Historic Trees - which works within the Regional Horticulture Committee, to date has 24 trees, or groups of trees, registered and the worth of the scheme is becoming nationally significant.

The Plant Evaluation Scheme (P.E.S.) - is established and plant material is now being grown at the Upper Hutt Parks Department as the forerunner for evaluation by the Institute. Full publicity about the Scheme was distributed during the year.

Publications : the 1980 Journal (No.8) has been published and distributed. 450 copies were pre-sold at \$5.50 (student rate = \$4.50) which more than covers publication costs. This high quality technical booklet is proving valuable to all members and with the volume of sales increasing the unit cost can be more easily held in future. We have been fortunate in retaining Dr M.B. Thomas as our editor.

The quarterley Bulletin under the editing and production guidance of Mrs Barbara McCartney continues to be the main link between the District Councils, the Executive, and members. We are very appreciative of Mrs McCartney's continuing interest and dedication to the Bulletin and I appeal again for horticultural news from your region to be sent directly to her.

The completely revised Floral Art Handbook has been re-published and at \$3.50 a copy, is selling well. We are indebted to many people who assisted in the marathon task of bringing out the new issue.

NZ Society of Horticultural Science : at the NZ Institute of Agricultural Science Convention in Auckland in August 1980, a committee was set up to investigate the formation of a Society of Horticultural Science. Professor R. Rowe, a member of our Institute's National Executive, was on the NZIAS Steering Committee and reported

CHAIRMAN'S ANNUAL REPORT (CONT)

on developments at our Executive meeting in September. The RNZIH Executive supported the development but expressed concern at the proposed direct affiliation with Agriculture rather than with Horticulture. After communication with the Chairman of the Steering Committee of the Society of Horticultural Science, I have been invited to their next Meeting for discussions on future association and co-operation.

RNZIH Plant Raiser's Award : during the year full investigations were made and submissions received on behalf of the nomination of Mr O. Blumhardt for the prestigious Plant Raiser's Award. The National Executive unanimously approved the investigating committee's recommendation for the Award to be given to Mr Blumhardt for his new hybrid Camellias 'Tiny Star' and 'Gay Baby'. The Award to be presented will be an inscribed RNZIH medal.

Conference Remits 1980 :

- 1/ Re. illustrated letter card to publicise the RNZIH. Executive gave approval to the Northern Region District Councils to investigate the proposal and report back.
- 2/ Re. trends in development of commercial horticulture. Executive acknowledged the part being undertaken by the Ministry of Agriculture and Fisheries and agreed to give active support when considered necessary in matters brought to its notice involving extremes or inappropriate development in horticulture.

The Secretariat : our Secretary, Mr R.A. Foubister, put in a very busy and exacting year for the Institute. Beside keeping a tight rein on expenditure and attending to the voluminous mail, his ingenuity was fully taxed by the record number of students with their attendant questions and problems. The Examining Board Report indicates the extent of the work involved, and I acknowledge on behalf of the Institute the unselfish devotion which he has given to his duties as Secretary. Also I extend grateful appreciation to Mrs Enid Reeves who so ably assists him.

With changed family circumstances during the year and because of greatly increased work load the Executive approved the return of Mrs Barbara McCartney on a part-time basis. Office space has become over-taxed and additional space at Lincoln College has been arranged.

Financial : the Annual Accounts and Balance Sheet are published in this issue of the Bulletin, but at date of this Report are subject to audit.

(a) General Account

Despite some substantial increases in expenditure in 1980, notably in secretarial services, postages, travel and general expenses, a surplus of \$6955 was achieved. The use of funds from the Publications Reserve to meet the cost of printing the Floral Art Handbook, together with publications' sales at \$3724, resulted in a net surplus in the Publications account of \$2684. This factor plus an increase in subscription receipts and interest, combined to make a healthy surplus for the year.

(b) Examinations Account

This account has again recorded a deficit for the year. Expenses related to the Examining Board are almost entirely for

CHAIRMAN'S ANNUAL REPORT (CCNT)

travel, a cost which has increased substantially during 1980. Travel costs associated with the Moderator's attendance at Oral and Practical examinations, plus an increase in total fees paid to examiners for written papers, resulted in an additional increase in total examination expenses.

The Examining Board is currently considering ways and means of increasing the annual Grant from Government, not only to avoid deficits in future years, but also to meet the anticipated higher cost of services from examiners and examination centres, which for many years now the Institute has enjoyed on a voluntary or low-cost basis.

(c) Balance Sheet

The Balance Sheet shows the Institute to be in a healthy financial position with adequate reserves and an improved cash position. Stabilisation of the Examinations Account to ensure that deficits in this area do not continue will result in a growth situation overall which should permit an improvement in services to members in the years ahead.

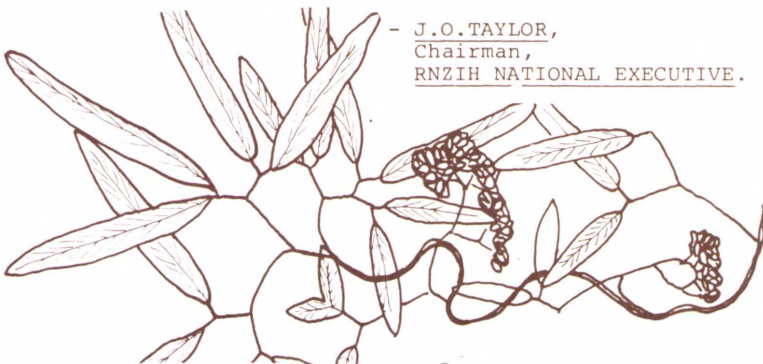
If there is one point in particular which should be highlighted it is the item of \$1425 - subscriptions in arrears. If this situation had been improved upon the results recorded in the financial statements for this year would have been the best achieved for a good number of years.

Conclusion : the 1980 year has been a mixed one. There has been virtual stability in membership with District activity being maintained in much the same way as in the past. This is quite satisfactory when consideration is given to the plethora of special interest groups and societies which are absorbed in one aspect or another of horticultural activity. Your Institute is soundly based, it is recognised as a senior and effective organisation representing general horticulture on a national level and its future is bright. With student membership now at a record and still growing dimension the work of the National Executive and the Examining Board must be directed more and more towards their needs in the future for the benefit of the Institute as a whole.

I am grateful to everyone who has the interest of the Institute at heart and who has assisted in some measure either locally or nationally throughout the year.

To the Executive in particular I am grateful indeed.

- J.O.TAYLOR,
Chairman,
RNZIH NATIONAL EXECUTIVE.



ROYAL NEW ZEALAND INSTITUTE OF HORTICULTURE - BALANCE SHEET AS AT 31 DECEMBER 1980.

	<u>1980</u>	<u>1979</u>	<u>1980</u>	<u>1979</u>
<u>CURRENT LIABILITIES</u>			<u>CURRENT ASSETS</u>	
Accounts payable	3,960.54	4,366	Cash on hand	-
District Council Funds in Suspende (Note 4)	<u>875.80</u>	<u>822</u>	Cash at Bank of New Zealand	6
Total Current Liabilities	4,836.34	5,188	Current Accounts & Term Deposits	33
			Books Account	465
<u>PUBLICATIONS RESERVE (Note 2)</u>	<u>396.53</u>	<u>3,147</u>	General Account	(35)
			Examinations Account	-
Accumulated Funds	951.91		Subscriptions In Arrears	<u>1,425.00</u>
Notable & Historical Trees (Note 5)				13,303.00
General Fund				
Balance 1/1/80	7,837.29	4,829	Cash at Savings Banks	
Add Excess of income over expenditure	<u>5,807.11</u>	<u>3,008</u>	P.O.S.B. - General Funds	18.67
Balance 31/12/80	14,596.31	7,837	B.N.Z. Savings Bank Ltd (Note 4)	875.80
			P.O.S.B. - Deposits	2,741.39
<u>TRUST ACCOUNT BALANCES Capital</u>	<u>Income</u>	<u>1,088</u>	B.N.Z. Term Deposit	-
Endowment Fund (comp)	1,319.29	899	B.N.Z. Term Deposit	400.00
F. Cooper Memorial Fund (comp)	980.42		B.N.Z. - Notable & Historical Trees	<u>951.91</u>
J.A. Campbell Memorial Prize Fund	500.00	88		4,987.77
Junior Memorial Prize Fund	500.00	70	Debtors	61
D. Fannock Memorial Prize Fund	500.00	91	Books on Hand for sale	<u>1,581</u>
P. Skellerup Prize Fund	1,100.00	212		3,689.80
R. Skellerup Prize Fund	-	20	Investments (at cost)	
D. Mackenzie Memorial Prize Fund	<u>500.00</u>	<u>93.01</u>	Debtenture - Christchurch	1,050
	5,399.71	641.68	City Council	1,050.00
			- Palmerston North	500
			City Council	500
			- General	1,350
			Finance	<u>1,350.00</u>
				2,900.00
<u>Total Trust Funds</u>	<u>6,041.39</u>	<u>5,642</u>		
			<u>FIXED ASSETS</u>	
			Office Equipment at Cost	1,546.00
			Less Depreciation	<u>556.00</u>
				990.00
				1,237
				25,870.57
				21,814
				=====

the notes on pages 5 and 6 form part of and are to be read in conjunction with these accounts.

SUBJECT TO AUDIT

ROYAL NEW ZEALAND INSTITUTE OF HORTICULTURE

EXAMINATIONS ACCOUNT

for the year ended 31 December 1980

	<u>1980</u>	<u>1979</u>
BALANCE 1 January 1979	-	. 581
 <u>INCOME</u>		
H.T.C. Enrolments	315.00	115
Registration	2,148.50	1,273
Examination Entry	6,030.12	3,422
Exam Recount Fees	86.00	-
Interest	-	72
Sale of Exam Papers	185.65	51
Government Grant	15,195.00	11,616
Loder Cup Committee	<u>750.00</u>	<u>750</u>
	24,710.27	17,299
 <u>EXPENDITURE</u>		
Exam Board Expenses	2,957.05	2,051
Exam Fees and Expenses	4,598.01	1,993
Fees & Sundry Refunds	76.00	104
General Expenses	160.00	67
Loder Cup	750.00	750
Office Expenses	-	5
Oral and Practical Exam	-	655
Postage and Telephone	1,156.51	594
Printing and Stationery	1,667.45	731
Secretarial & Office Stationery	14,493.92	10,643
Travel	-	396
General Account (Subs & Journals 1978)	<u>-</u>	<u>1,160</u>
	25,858.94	19,149
Excess of Expenditure Over Income	<u>1,148.67</u>	<u>1,850</u>
<u>BALANCE TO GENERAL INCOME & EXPENDITURE ACCOUNT</u>	<u>\$1,148.67</u>	<u>\$(1,269)</u>
	=====	=====

The Notes to the Accounts which follow form part of and are to be read in conjunction with these accounts.

ROYAL NEW ZEALAND INSTITUTE OF HORTICULTURE
GENERAL ACCOUNT
INCOME AND EXPENDITURE ACCOUNT

for the year ended 31 December 1980

	<u>1980</u>	<u>1979</u>
<u>INCOME</u>		
Subscriptions	11,021.45	9,898
Donations	101.50	129
Secretarial Services - Tree Crop Association	208.00	332
- N.Z.I.P.R.A	462.14	810
Sundry Receipts	63.73	127
Interest	1,455.41	637
Depreciation Recovered	-	23
Net surplus from Publications Account (Note 6)	<u>2,684.18</u>	<u>-</u>
<u>Total Income</u>	15,995.41	11,956
<u>Less EXPENDITURE</u>		
Capitation paid to District Councils	1,036.00	926
Salary, wages & secretarial services	4,434.62	2,198
Audit fee	450.00	440
Depreciation	247.00	309
Net cost of publications	-	2,104
Printing and stationery	807.70	700
Postages, telegrams, telephone charges	592.27	262
General expenses	351.39	132
A.G.M. expenses	163.20	140
Travel expenses	<u>958.45</u>	<u>468</u>
<u>Total Expenditure</u>	9,040.63	7,679
	6,955.78	4,277
Deficit Examination Account (Note 3)	<u>(1,148.67)</u>	<u>(1,269)</u>
<u>EXCESS OF INCOME OVER EXPENDITURE</u>	\$5,807.11	\$3,008
	=====	=====

The Notes to the Accounts which follow form part of and are to be read in conjunction with these accounts.

ROYAL NEW ZEALAND INSTITUTE OF HORTICULTURE - Notes to the Accounts

Note 1 STATEMENT OF ACCOUNTING POLICIES

The following accounting policies have been adopted :

Inventories - books on hand are valued at the lower of cost and net realisable value.

Depreciation - fixed assets are depreciated on a straight line basis which will write off cost over a period of 5 years.

Interest received - interest receivable has been included in the accounts on a cash basis.

Change in Accounting Policy - Subscriptions - the subscriptions in arrears for the current year only are taken to account at balance date. Previously they have not been brought into account.

Note 2 PUBLICATIONS RESERVE

The reserve is available for general publications of the Institute. This year \$2,750 has been transferred to the publications account (in the General Income & Expenditure account) representing the cost of publishing the Floral Art Handbook.

Note 3 EXAMINATIONS FUND

As from 1979 the Examinations Fund is accounted for by an Income and Expenditure Account. All costs relating to the Examinations Account are charged to that account and if expenditure exceeds income for the year the deficit is charged to the General Account. In those years where income exceeds expenditure the surplus is to be retained in the Examinations Fund for the benefit of subsequent years.

Note 4 DISTRICT COUNCIL FUNDS IN SUSPENSE

These are funds received from District Councils which are no longer operating. Interest is compounding and the funds are held separately in the BNZ Savings Bank.

Note 5 NOTABLE & HISTORIC TREES COMMITTEE

The Notable and Historic Trees Committee is accounted for in these accounts to the extent of funds on hand at the end of the year. The funds represent the unexpended portion of grants plus interest received.

Note 6 PUBLICATIONS ACCOUNT

Sales	3,724.14
Transfer from Publications Reserve	<u>2,750.00</u>
	6,474.14

Less

Costs of Publication	5,877.96	
Adjustment for increase in stock on hand 31/12/80	<u>2,088.00</u>	
		<u>3,789.96</u>

<u>NET SURPLUS FROM PUBLICATIONS FOR YEAR</u>	<u>2,684.18</u>
	=====

District Council News

WHANGAREI : Each newsletter from Whangarei lists plants from their display table at the previous meeting, and the latest includes the following specimens gathered by Mr Kevin Young (FRIH) :

Kalmia, a hardy genus of mostly evergreen shrubs named in honour of Peter Kalm, a Finnish pupil of Linnaeus who travelled in N.America in the early 18th century. *K. latifolia* varies in colour from white to deep pink when grown from seed, the specimen on display was a good pure white form. Slight shade with ample humus and no lime is essential. Family Ericaceae.

Acer, up to 150 species of this genus are widely scattered throughout the northern temperate regions with a few sub-tropical species. No other species of tree gives such a wide diversity in foliage colouring as the maples. On display : *Acer cappadocium* 'Aureum', a beautiful yellow form. Family Aceraceae.

Erica, a very large family of over 500 species with about 470 native to South Africa. A bed especially prepared before planting will repay the effort for most of the *Ericas* in cultivation today are particularly attractive. A lime free soil in full sun, with ample humus, peat, etc. is essential for success.

Lilium brownii discovered in China over 100 years ago, the 150mm long trumpet-like blooms are almost scentless and are among the first to flower each season. 1m high stems easily grown. Sadly it is another species of plant which is not now found growing wild in its natural habitat. Family Liliaceae.

Lilium pumilum is another species from Eastern China - Siberia, discovered about 1816. A dainty bright scarlet bloom, the small nodding flowers are borne on 450mm-550mm high stems.

Parsonsia capsularis, a genus of 50 species, the majority being native to Australia and NZ. The species in cultivation are tall woody climbers. *P. capsularis*, native to NZ is a slender stemmed evergreen climber found in both islands. The beautiful fragrant panicles of flowers vary from white to red and are jessamine-like. Among other treasures displayed were *Iris gracilipes*, *Rhododendron 'Jean'* (*R. griersonianum* x *R. decorum*), *Banksia serrata*, *Fagus sylvatica 'Riversii'*.

Seed Bank : While concerned and determined groups are gaining worldwide publicity concerning their efforts to preserve animal, bird, fish, etc. from extinction, a similarly dedicated group of botanists, scientists and agronomists around the world are quietly but urgently collecting seed of endangered species of grains, grasses, vegetables, trees, etc. This seed is then stored for future use, experiments being conducted with freezing seed at extremely low temperatures and the freezing of plant germ plasm in tissue culture at minus 196° (320°F) in liquid nitrogen. Each year some 200 plant species are lost forever, 20,000-25,000 vascular plant species are extinct, endangered or very rare.

Millions of people could starve if the high yielding hybrid corns, wheat or rice were to succumb to some unknown disease, and with the loss of the original grain species, resistant strains would be slow and difficult to produce. The 1954 wheat stem rust and the Southern Corn Blight of 1970 were examples.

It is estimated that by the turn of the century the Amazon will be the only tropical area left, African and Asian forests will be gone. The proportion of forests to cleared land in Madagascar is now only 8%, from 90%; Thailand from 75% twenty years ago to 11%. It is estimated that tropical rain forests are disappearing at 28,000 ha (69,000 acres) per day. These are frightening predictions.

DISTRICT COUNCIL NEWS (CONT) , , , ,

AUCKLAND : The 1981 programme includes a day trip to the Waikato on Saturday March 28, a tour organised by the Waikato District Council (RNZIH) and the Waikato Branch of the NZ Tree Crops Assn. On Wednesday April 22, Dr John Braggins of the Auckland University Botany Dept. will speak on "LOCAL FERNS" and the District AGM is set for Wednesday May 27, to be followed by an illustrated talk by Mr Alex Tagg who has recently returned from a trip to USA, principally Florida and California. The June 24 meeting will feature Mr Barry McKenzie of Topline Nurseries speaking on 'INTERNATIONAL HORTICULTURE'. Mr McKenzie is a well known nurseryman and plant exporter who makes frequent trips overseas.

Garden Notes broadcast by John Henry on 24th February 1940 contained this substitute for cow manure :

1 part nitrate of soda; 4 parts superphosphate;
1 part sulph. of potash.

Mix together and put into an airtight container.

To use : 1 level tablespoon to 1 gallon of water - put on plants once a week.

CONGRATULATIONS to Mr Ossie Blumhardt who has been awarded the Plant Raisers Award of the Institute for the Camellias 'Tiny Star' and 'Gay Baby'.

WELLINGTON : At the end of the year we regretfully farewelled our popular President, Graeme Nind, and wished him well in his new situation. Ian Galloway presented Moira Ryan with her FRIH and Richard Nanson with his AHRIH, and then gave a most stimulating talk on his overseas visit, starting from Berlin where the International Parks and Reserves Conference was held. Ian had many excellent slides to show, some with nifty ideas he had spotted of ways of using paving detail and ornamental garden furniture. He remarked on the fact that Berlin is a city of trees and thousands have been planted since the war. We were shown pictures of small allotments leased out to the public to garden, balcony gardens on a low-rise building, and a marvellous nylon webbing ladder. He finished by showing many general slides of the areas he visited later in Germany, parts of Europe and the United Kingdom. The next International Parks and Reserves Conference will be held in 1986 in Auckland.

The Kapiti Horticultural and Chrysanthemum Groups will be hosting the First International Chrysanthemum Convention at Kapiti on Friday 24 to Sunday 26 April. A Floral Festival will be held at the Southward Museum Complex, just north of Paraparaumu, with district groups displaying massed arrangements together with exhibits of chrysanthemums from throughout NZ. The vintage car museum will also be open at this time.

David Anyon, AHRIH, has recently moved to London for two years or more. He intends to continue developing his skills in Floral Art and to continue demonstrating wherever possible, as well as trying his hand at interior decorating.



MINISTRY OF AGRICULTURE & FISHERIES

FLOCK HOUSE & TELFORD FARM TRAINING INSTITUTES

SHORT COURSE PROGRAMME 1981



FLOCK HOUSE :

May 11-15	Introduction to Horticulture
May 18-22	Business Management for Orchardists
July 6-10	Subtropical Fruits
July 27-31	Beginning in Boysenberries & Raspberries

TELFORD :

March 23-26	Farm Horticulture Landscape & Ornamentals
May 4-7	Blackcurrants - Establishment & Management
June 2-5	Business Management for Bee Farmers
July 27-30	Farm Horticulture Fruit & Vegetables
August 10-13	Expanding into Commercial Beekeeping

Detailed programmes are available from all Ministry Offices and Agricultural Training Officers of the Agricultural Training Council. Descriptions of these courses can also be obtained by writing to :

The Registrar,
Flock House Farm Training
Institute,
Private Bag,
Bulls.

The Registrar,
Telford Farm Training
Institute,
R.D.1, Otanomomo,
Balclutha.

BOOK REVIEWS

'Japanese Maples' by J.D. Vertrees. 178 pp. Illus. 1978
(Timber Press, Forests Grove, Oregon, USA) US\$40

This is said to be the first book on the subject to be published in the English language, and Mr Vertrees is considered to be a world authority on Japanese maples, having the largest U.S. collection of Japanese maples in his Oregon nursery.

The quietly designed dust jacket immediately speaks of a well presented, quality book, and states that the book has three chief goals: to clarify the nomenclature which has become unclear over the years, to provide for the identification of individual cultivars, and lastly, to provide information on the history and culture of the Japanese maple. However, the author has not attempted to write a taxonomic work for the serious botanist or dendrologist because, as he states, the taxonomic status of some species is changing and varies from one author to another.

The book logically commences with the character and history of the Japanese maple and follows through to the taxonomy and nomenclature, culture, propagation and, finally, descriptions of the various cultivars.

BOOK REVIEWS (CONT.)

It deals with cultivars of all the species of *Acer* which occur naturally in Japan and of those Chinese species which are cultivated in Japan. However, the author does make the distinction that 'Japanese Maples' are cultivars of *A. palmatum* and *A. japonicum* while all others become 'maples from Japan'.

The descriptive section is divided into the various groups of *A. palmatum*, following with *A. japonicum* and then the other species. Probably a simple synoptic key at the beginning would have been useful. In general the descriptions are very good and enable the identification of most cultivars without too much difficulty.

For those who are interested in Japanese maples this book is a must. The standard of illustrations is high and it should do much to stimulate interest in a group of trees which does so well in most parts of New Zealand.

- L.J. Metcalf

'Trees and Shrubs for Western Gardens' by Gordon Courtwright. 239 pp. Illus. 1979 (Timber Press, Forest Grove, Oregon, USA) US\$43

The introduction states that this book is intended to be a practical, visual dictionary of all the plants readily obtainable in California and northwest retail nurseries. Because the range of plants grown in those two areas is similar to those grown in New Zealand, the book has some interest to gardeners in this country, but is, however, unfortunately overshadowed by those of R.E. and Charles Harrison.

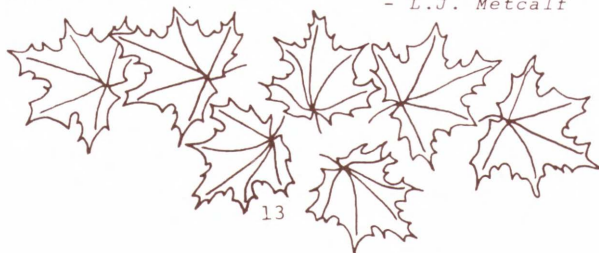
The trees and shrubs in the book are divided into sections according to their type and typical height, eg. low-growing shrubs, medium-growing, and so on. They are so organised by the author because he has found that most of his nursery customers come looking for a plant to fulfill a specific need in a particular place, and in this respect it is a useful book.

Instead of trying to educate readers into the use of currently accepted botanical names, Mr Courtwright has fallen into the trap of using the nomenclature of the local nurserymen with the result that there are some curiously outdated names.

In general the photography for the illustrations is good, although inevitably there are some which fail to measure up to standard. Mostly the aim of the book has been to illustrate relatively mature specimens of each plant, growing in garden conditions, although it tends to be less satisfactory when trying to illustrate non-flowering, rather ordinary evergreen shrubs.

This book would be a useful complement to Harrison's 'Handbook of Trees and Shrubs'.

- L.J. Metcalf



Congratulations ~

to the following RNZIH members who were elected Fellows of the Institute (FRIH) at the National Executive Meeting of 18th December 1980 :

Mr David D. Rowe - Wellington
Mrs Mary E. MacKenzie - Lower Hutt
Mr Brian L. Buchanan - Auckland
Dr Maxwell G. Goodey - Auckland
Mr Christopher H. Howden - Auckland
Mrs Robin Bagley - Dunedin,

and to RNZIH students who gained the following awards at the 1980 examinations :

NATIONAL DIPLOMA IN HORTICULTURE : (Schedule One)

Brian L. Buchanan

NATIONAL CERTIFICATE IN HORTICULTURE : (Schedule One)

Duncan A. Burns
Joseph Cartman
Mark C. Davis
Keith S. Dickson
Peter J. Fitzgerald
John G. Hobbs
Caroline M. Nouwens
Gary D. Quinn
John C. Revell
Grant G. Rossiter
Allan R. Smurthwaite
Mark G. Tomlin
Evelyn G. Knewstubb

NATIONAL CERTIFICATE IN HORTICULTURE : (Schedule Two - Fruit)

Warren J. Begley
Kenneth J. Hoare
Jonathan R.C. Hurst
Kenwyn B. Jeffery

NATIONAL CERTIFICATE IN HORTICULTURE : (Three - Vegetable)

Gilbert H. Wells
Richard J. Gillespie

NATIONAL CERTIFICATE IN HORTICULTURE : (Four - Management)

Krishna Buhler
John W. Muller

NATIONAL DIPLOMA IN APICULTURE :

John Smith

SOCIETY OF NEW ZEALAND PROFESSIONAL FLORISTS -

Every successful examination candidate of the above Society receives a Certificate bearing the seal of the RNZIH, as well as the Society's own. RNZIH links with the Society are 45 years old, and recently Mrs W. Shepherd of our National Executive set down some of the stages in this close liaison.

In 1936/7 the RNZIH issued 45 Florists' and Seedsmen's Certificates a move which received the congratulations of the Retail Florists' Association.

During 1940 it was decided to make arrangements for holding Florists' and Seedsmen's Examinations, and as the Secretary was finding the work onerous, authority was given to hire assistance at a cost of 36 pounds p.a.

In April 1948 the RNZIH agreed to accept the Diploma and Certificate in Floral Art as awarded by the NZ Society of Professional Florists and affix the RNZIH seal to these Certificates, which then replaced the Institute's Certificates in Floral Art. In return the RNZIH had a representative on the Examining Board of the other Society and an observer at its examinations as well as other minor safeguards to ensure that a satisfactory standard was maintained.

Close ties with the RNZIH were maintained and in the 1960's joint Xmas functions between the two Wellington based Societies were held. This practice ceased only when the annual conference of Professional Florists became a November fixture.

During 1961 RNZIH Wellington District Council held a Floral Art Judging Course working closely with the Professional Society of Floral Artists Examining Board. At this course RNZIH members compiled a small Handbook of Floral Art Definitions, which was expanded and issued as a National Floral Art Guide for judges, stewards and competitors in 1966. It was re-written in 1973 and reprinted in 1981.

Two members of the Society have been awarded the AHRIF - Mrs E. Bennett and Mr D. Anyon. Both of these Professional Florists were not only highly regarded in the profession but had also rendered distinguished service to Horticulture in all its broadest sense.

It is to be hoped this close liaison of the past years between our two organisations will not be forgotten and that we will have continued close ties in the years to come.

FLORAL ART HANDBOOK

A guide to Exhibitors, Stewards, Judges and to all persons involved with Floral Art Competitions, comprising 50 pages on such subjects as : stewarding, staging, scheduling, qualities of a judge, judging procedure, flower arranging, colour, points system.

This book is available from the RNZIH, P.O. Box 12, Lincoln College, at a cost of \$3.50 (orders of 10 or more - \$3.00 per copy.)

THE IDENTITY OF THE GOLDEN ELM IN NEW ZEALAND

The Golden Elm, usually identified in New Zealand as *Ulmus procera* 'Louis Van Houtte' is a valuable deciduous tree, particularly for warmer areas. It is vigorous growing and appears to be more wind resistant than trees of other deciduous genera such as *Tilia* and *Aesculus*.

A brief study of this tree will indicate that it is not a cultivar of *U. procera* Salisb., the "English Elm", but is a cultivar of *U. glabra* Huds., the "Scotch Elm" or "Wych Elm". As compared with the English Elm, it has larger leaves and the seed is in the centre of the fruit. When propagated on its own roots, from cuttings, it does not sucker, a common feature of *U. procera*.

To clarify its identity I contacted the Royal Horticultural Society's Laboratory at Wisley. There were alternatives - either the plant grown here was not 'Louis Van Houtte' or the specific status of this tree in Europe had been incorrectly determined.



Staff at Wisley confirmed that the tree grown here is not *U. procera* 'Louis Van Houtte', and that specifically it was *U. glabra*, probably cultivar 'Lutescens'. However, in Hillier's Manual of Trees and Shrubs this cultivar 'Lutescens' is described as having "leaves soft cream yellow in spring, becoming yellowish green" while in "Handbuch der Laubgehölze" the description reads "leaves on emergence yellowish green, later more bronze yellow". Neither description adequately identifies the tree grown in New Zealand, as the leaves are golden yellow on emergence and more golden green during mid-summer.

Even though we discard the long established name 'Louis Van Houtte' and accept the cultivar name *Ulmus glabra* 'Lutescens', the common name "Golden Elm" for once is appropriate, adequately describing and identifying a beautiful and valuable ornamental tree.

- J.P. Salinger



DIPLOMA OF THE NEW ZEALAND COUNCIL FOR RECREATION & SPORT

A diploma for those engaged in recreation work, professionally or voluntarily, who wish to develop and extend their leadership skills. It usually involves two years of part-time study. Five short core courses, two fieldwork options, a major assignment and a residential weekend have to be completed - although some accreditation is allowed for experience or qualifications.

For further details write to the :



Recreation Leadership Adviser,
NZCRS,
P.O. Box 5122,
WELLINGTON.

TEMPLIN TRAVELLING SCHOLARSHIP IN ENGINEERING AND HORTICULTURE

The New Zealand Insurance Company Limited, as trustees of the John Richard Templin Travelling Scholarship Trust, is now calling for applications for the Travelling Scholarships to be made available to Engineering, Horticulture or Botany graduates of the University of Canterbury, or graduates who have obtained a National Diploma of the Royal NZ Institute of Horticulture through the Reserves Department of the Christchurch City Council, as selected by a Committee especially appointed for the task.

The Scholarships are for study in the United States of America and are normally tenable for one year. It is desirable that applicants should intend to study at Ohio State University.

Application forms are available from the Trust Dept., the NZ Insurance Co. Ltd., Private Bag, Christchurch. Completed forms should be forwarded to that address to be received not later than 31st May.

XX1st INTERNATIONAL HORTICULTURAL CONGRESS -

To be held in Hamburg, Federal Republic of Germany,
29/8/82 - 4/9/82.

Titles of papers and posters to be submitted to the Congress secretariat by 15/9/81. Further information available from :

21st International Horticultural Congress,
Hamburg Messe und Congress GmbH,
P.O. Box 30 23 60
D-2000 Hamburg 36,
Federal Republic of Germany.

GROWTH OF THE PLANT SELECTORS' RIGHTS SCHEME

(Contributed by Mr F.W. Whitmore, Registrar, Plant Varieties Office, P.O.Box 24, Lincoln.)

In August 1980 it became possible to apply for Plant Selectors' Rights for new cultivars of virtually all ornamental and fruit genera or species.

This extension of the Plant Selectors' Rights Scheme has generated a considerable amount of interest, and the Plant Varieties Office at Lincoln has received many enquiries, with some applications for Rights for fruit and ornamental varieties currently being processed.

The general group of 'ornamentals' contains many genera and species, and includes a very diverse range of types of plants. To some extent, the way in which an application relating to a particular ornamental cultivar will be processed, will depend upon the type of plant it is. However, it is expected that most Rights applications for vegetatively propagated tree- and shrub-type cultivars will be processed along these lines :

1. The applicant, when filing his application, also completes and submits a simple technical questionnaire.
2. In most cases, the applicant will have plants of the new cultivar growing on his property. A M.A.F. officer acting for the Plant Varieties Office will inspect these plants at appropriate times over a growing season and complete a full botanical description of the cultivar.
3. When the description has been completed, the Registrar may issue a grant of Rights, IF he is satisfied that the new cultivar is distinct from all other cultivars known, and that the cultivar is uniform and stable.

This procedure is rather different from that which has been operating for some years with roses, wherein new varieties are grown in comparative trials in Palmerston North. Here a M.A.F. officer prepares detailed botanical descriptions and Rose Society Judges advise the Registrar upon distinctness.

The Plant Selectors' Rights fees for fruit and ornamentals are :

Application fee -	\$100
Examination or trial fee -	\$ 75
Notice of grant fee -	\$ 75

Total fees for obtaining Rights \$250 (if Protective Direction not required)

(Protective Direction fee is an additional \$50.)

There is also a renewal fee of \$50 per annum.

A decision to apply for Rights is similar to any other investment decision and any prospective applicant must balance the financial cost of obtaining Rights against the benefits likely to accrue

PLANT SELECTORS' RIGHTS SCHEME (CONT)

from a Rights' grant. Plant Selectors' Rights give the grant-holder the exclusive right to sell, and to reproduce for sale, reproductive material of that cultivar in New Zealand. He can collect a royalty on all sales of the reproductive material.

Any prospective applicant is invited to contact the Plant Varieties Office for full and detailed information.

The address is : The Registrar,
 Plant Varieties Office,
 P.O. Box 24,
 LINCOLN.

Phone : CH 252021

A revised "Guide to Plant Selectors' Rights" has been issued and is available free from the address above.

In another recent development New Zealand has taken the final steps needed to become a member country of UPOV (the International Union for the Protection of New Varieties of Plants). This is the international organisation based in Geneva which is concerned with Plant Breeders' Rights. It is hoped that New Zealand will become a UPOV member-country later in 1981.

The RNZIH, through its Plant Evaluation Scheme, is actively promoting the Plant Selectors' Rights Scheme. The member of the committee to whom enquiries should be made is : Mr C. Gill, Deputy Director, Parks & Reserves Dept., Upper Hutt City Corporation, Private Bag, Upper Hutt.

LODER CUP AWARD 1980 :

The Loder Cup Award for 1980 has been made to the Whangarei Native Forest and Bird Protection Society (Inc), for its long and valuable contribution to Northland's native heritage.

The policy of this large organisation embodies donating, planting and after-care of NZ native trees, shrubs and climber plants and as an active working organisation they can have few rivals. Over the past ten years some 2,500 natives have been planted and around 4,000 natives have been donated and distributed to organisations for planting schemes. Cash donations to organisations also feature in the organisation's good works.

We congratulate the officers and members of the Whangarei Native Forest and Bird Protection Society and encourage them to keep up the good work.

Welcome

to the following new members :

Susi Riggs, Lincoln College	Ms R.K. Cowan, Hamilton
Whangarei Public Library	Mr D.T. Downes, Christchurch
Mr R. MacDonald, Auckland	Mr W.N. Galletly, Timaru
North Shore Horticultural Society	Ms M.J. Gibbins, Motueka
Taumarunui High School	Mr D.J. Millichamp, Palmerston N.
Mrs C. Kelleway, Waikato	Mr I.K. Nicely, Gisborne
Mr A.G. Dyer, Motueka	Mr C.A. Single, Napier
Mr D.J. Fry, Wellington	Ms G.M. Turner, Manawatu
Ms A.M. Gerard, Ashburton	Ms L.A. Waller, Auckland
Mr A.W. Hawkins, Waikanae	Ms J.L. Boardman, Morrinsville
Mr A.J.Hill, Otago	Mr D.M. Boyd, Wellington
Ms D.M. Long, Raumatate South	Mr D.N. Drain, Christchurch
Ms B.T. Cochrane, Auckland	Ms J.N. Fox, Te Puna
Mr J.M. Miskimmin, Christchurch	Mr J.B. Hall, Te Puke
Mr J.C. Thirkettle, Palmerston Nth	Mr K.J. Hall, Te Puke
Mr C. Burkett, Waikato	Mr B.R. Howes, Hastings
Ms L.M. Graham, Manawatu	Ms G.E. Lawrence, Auckland
Mr J.H. Higgins, Otago	Mr W.A. McGechie, Auckland
Mr G.D. Scrimgeour, Waikato	Ms A.E. McIlroy, Ashburton
Mr G.A. Simpson, Poverty Bay	Mr B. McKenzie, Dunedin
Mr R.J. Stroud, Waikato	Ms R.B. McRae, Dunedin
Mr B.J. Van der Hulst, Ohaupo	Ms L.T. Martin, Matamata
Mr W.D. Williams, Dunedin	Ms J. Officer, Auckland
Miss M. Auger, Auckland	Mr A.N. Symes, Hamilton
Miss H.M. Corrigan, Wellington	Ms J.E. Samuel, Kaitaia
Mr J. Howard, Auckland	Mr R.B. Smith, Wellington
Mr W.A. Loveday, Timaru	Mr T.D. Walker, Hawera
Mr P.J. McBride, Te Puke	Mr P.A. Walsh, Auckland
Ms Z.J. MacPherson, Auckland	Mr J.H.W. White, Christchurch
Ms J.M. Meyer, Hamilton	Mr D.N.J. Whitford, Christchurch
Mr K.M. Tippler, Hastings	Mr O. Camp, Auckland
Mr B.H. Van Beusekom, Napier	Ms S.H. Crogan, Te Atatu
Mr G.D. Winter, Masterton	Ms S. Hamilton, Hamilton
Ms G. Woodhead, Palmerston North	Mr I.P. Mawson, Napier
Mr R.D. Adams, Auckland	Mr G.W. Naish, Oamaru
Mr H.S. Cholmondeley-Smith, Auckland	Ms M.G.O'Higgins, Kaitaia
Mr M.J. Collins, Hamilton	Mr D.I. Sutherland, Auckland
	Ms M.C. Wilkins, Christchurch

STOP PRESS !!

REMITs to 1981 A.G.M.

At its meeting on 18th March 1981 the National Executive approved the following Remits for consideration at the A.G.M. 1981.

REMIT NO. 1 : That consideration be given to providing a one fee family subscription rate. - Whangarei District Council.

REMIT NO. 2 : That the National Executive considers compiling a yearly calendar of events to be published each year in the Winter Bulletin. The calendar to include, in chronological order, dates of National Executive and Examining Board meetings, closing dates for registration and entry for RNZIH examinations, closing dates for nominations of awards, election of officers, remits to Conference etc., and if possible the proposed locality and date of the Annual General Meeting. - Auckland District Council.

REMIT NO. 3 : That the National Executive investigates the reintroduction of a paid Life Membership. - Auckland District Council.

REMIT NO. 4 : That annual capitation to District Councils be increased from \$1.50 to \$2.00 per financial member. - National Executive.

DISTRICT COUNCIL SECRETARIES

- AUCKLAND :
Mrs K.J. Veal, FRIH,
9 Gray Crescent,
Torbay, AUCKLAND 10.
- BAY OF PLENTY :
Mrs D.A. Hardwick, AHRIH,
Minden Road,
Te Puna, TAURANGA.
- CANTERBURY :
Mr Roy Edwards,
Dept. Horticulture, Landscape
& Parks,
Lincoln College, CANTERBURY.
- MANAWATU :
Dr E.O.Campbell, FRIH,
26 Frederick Street,
PALMERSTON NORTH.
- NORTH TARANAKI :
Mrs Marie Ward,
52 Lyn Street,
NEW PLYMOUTH.
- OTAGO :
Mr G. Paterson, FRIH,
P.O. Box 5195,
DUNEDIN.
- POVERTY BAY :
Poverty Bay Hort.Society,
P.O. Box 1275,
GISBORNE. (Liaison only)
- SOUTHLAND :
Mr G.A.R. Petrie, AHRIH,
Rochdale Road,
INVERCARGILL.
- SOUTH TARANAKI :
Miss E.A. Free,
23 Egmont Street,
HAWERA.
- WAIKATO :
Mrs R.P. Towers,
9 Clark Place,
HAMILTON.
- WELLINGTON :
Mrs Diane Menzies, FRIH,
7 Huia Road, Days Bay,
Eastbourne, WELLINGTON.
- WHANGAREI :
Mrs M. Kennedy, AHRIH,
14a Takahe Street,
Tikipunga, WHANGAREI.

RNZIH Notable & Historic Trees Committee - P.O. Box 11-379,
WELLINGTON.

RNZIH Regional Horticulture Sub-Committee - P.O. Box 11-379,
WELLINGTON.

ROYAL NEW ZEALAND INSTITUTE OF HORTICULTURE (INC).

Annual Subscription rates :

General Members and Fellows	\$10.00
Husband/Wife Joint Membership	\$13.50
Small non-commercial societies	\$10.00
Firms, companies (commercial)	\$10.00
National non-commercial societies	\$20.00
National commercial organisations	\$40.00

Subscriptions should be sent to : the Secretary, RNZIH,
P.O.Box 12, Lincoln College,
Canterbury.

Get in touch with your District Secretary and become involved
with local RNZIH affairs.

