

# **THE JOURNAL OF THE KEW GUILD**

**Founded in 1892**

The Association of members of the Kew staff past and present

## **Events of 1982**

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**Royal Botanic Gardens  
Kew**

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## ROYAL BOTANIC GARDENS, KEW

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M. Abrahams Paignton  
 A. Armony Israel  
 E. J. Cowley Kew  
 K. F. R. Pearson London

##### *Retire 1984*

R. Adams New Malden  
 H. Boddington Morden  
 G. Ll. Lucas Kew  
 N. Robson Natural History  
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C. B. Bamkole Nigeria  
 R. Mann Orpington  
 P. Maunder Portsmouth  
 P. Summers Kew

##### *Retire 1986*

T. Cole Canada  
 J. Craig Brighton  
 H. Fliegner Kew  
 T. Preston Ealing

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 Events Officer: P. Summers  
 Badges and Emblems: S. Henchie  
 Honorary Auditors: D. V. Field and A. J. Hale  
 Award Scheme Chairman: K. F. R. Pearson

## EDITORIAL

We hear much about the increased leisure time that unemployment, and the age of the computer, is going to give us. But in practice, it seems, there are busy people and less busy people. What I am getting at is that it would be gratifying if more members of our Kew Guild could find time and the interest to drop us a line and let us hear of their achievements. Or follow the example of our two advertisers at the end of the Journal (who I hope you will support and mention the Journal!) who have gone out of their way to support us in more ways than one. Or write and tell us of the address of any member whose address is outdated. As I see it, this is the way you can help the Kew Guild become useful to its members, by being topical, up-to-date, and supportive.

Your hardworking Committee have discussed many topics during the past year, but any ideas, suggestions or comments to them must be useful, and any suitable letters you might care to send to me will be published in this Journal.

Incidentally, would contributors please try to submit copy that is typewritten, or at least well written. For members' interest Kew's telephone number is 01-940 1171.

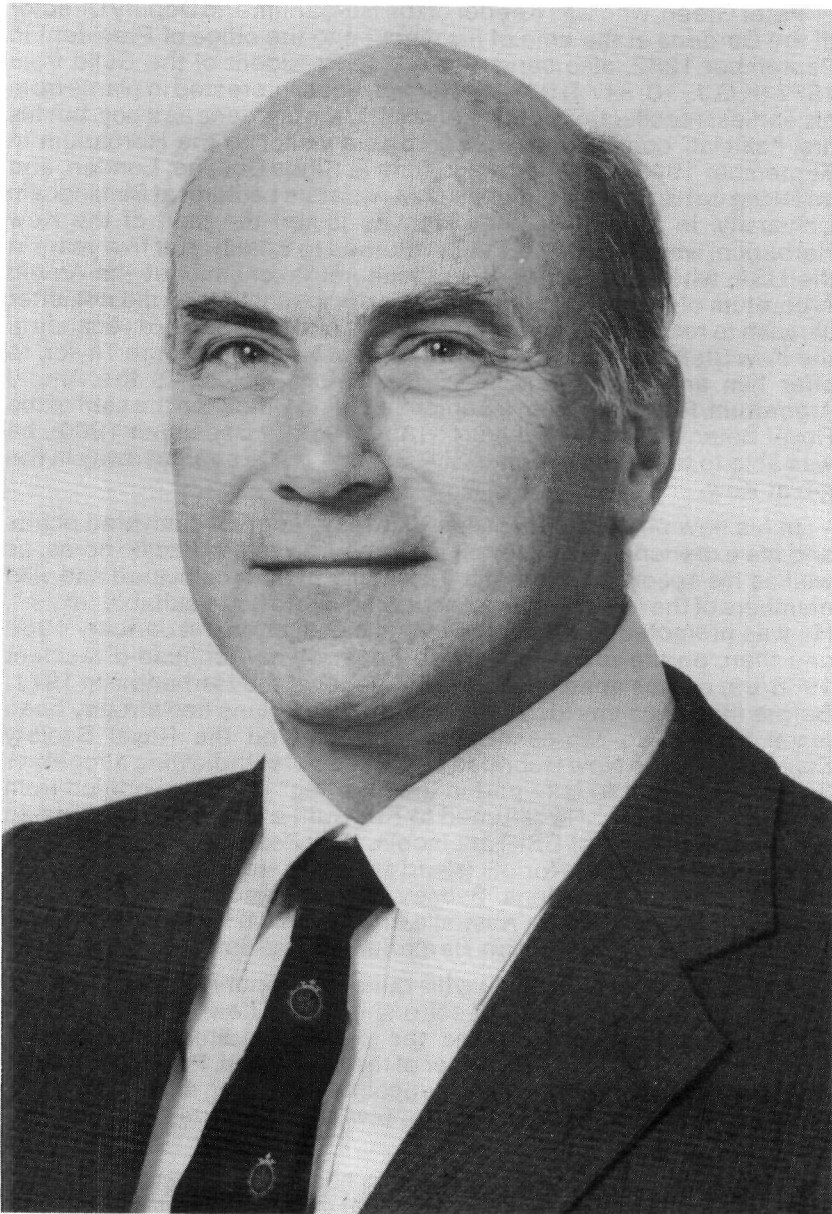
See you at the Annual General Meeting, or the Dinner.

Keep in touch!

Richard C. Ward  
*Editor*



**PETER S. GREEN, B.Sc., F.L.S., F.I.Biol.**  
President 1982/83



## PETER S. GREEN, B.Sc., F.L.S., F.I.Biol.

President 1982/83

Peter Green, who was Keeper of the Herbarium and Deputy Director of the Gardens at the time of his election to the office of President in September 1982, also served as a Vice-President of the Guild from 1977 (K.G.J., 10, 547 [1978]). Peter has been interested in plants from his earliest recollections and often visited the Gardens as a boy, but his first "official" contact with Kew was as a visitor to the Herbarium in September 1948, just after graduating at Kings College, London, and on taking up his first appointment as an Assistant Lecturer at Birmingham University. In May, 1966, however, he joined the staff of the Kew Herbarium when he and his family returned to Britain after five years in the USA, where he had been horticultural taxonomist at the Arnold Arboretum of Harvard University. They decided that they did not, after all, wish to reside permanently in America and fortunately a vacancy in the Kew Staff enabled the then Director of Kew, Sir George Taylor, to offer him an appointment. Because, before moving to the Arnold Arboretum, Peter had been a Senior Scientific Officer on the staff of the Royal Botanic Garden, Edinburgh (April 1952 to December 1960), he was able to take up his former Civil Service grade straight away in the job at Kew.

In his new post his knowledge of a wide range of cultivated plants and his experience and interest in the southwestern Pacific floras, as well as his specialist interest in taxonomy of both cultivated and wild members of the family **Oleaceae** enabled him to find a suitable "niche". He was promoted to Principal Scientific Officer on 1st January 1969 and then, on the retirement of Mr. Edgar Milne-Redhead (President 1968/69) he was appointed Deputy Keeper of the Herbarium in 1971. Before there was any idea of such promotion, plans had already been made for him to represent Kew that year on the Royal Society Expedition to the New Hebrides but instead of withdrawing altogether he was permitted to take part in the first "leg" of the expedition from June to September. He returned to Kew with a brief visit, *en route*, to the Botany Division of DSIR at Lincoln, New Zealand, a week each on Lord Howe Island and Norfolk Island and short stops for a day or two at the Royal Botanic Gardens, Sydney, the Herbarium and the Botanic Garden at Perth, Western Australia, the Botanical Research Institute, Pretoria and the East African Herbarium at Nairobi.

Once back at Kew he took up his duties as Deputy Keeper in earnest, including the time-consuming editorship of the *Kew Bulletin*, a job at which he had already assisted the previous editor, Edgar Milne-Redhead. In 1976 the then Keeper of the Herbarium, Professor J. P. M. Brenan (President, 1972/73) was appointed Director, and Peter Green was promoted to be Keeper and Deputy Director of the Gardens in his stead.

Although, in his presidential year, he has now retired from the staff as a result of a lowering of the retirement age in Government Service,

retirement to someone so fascinated by plants is not what it normally means, and its meaning for Peter is epitomised by the headline in an issue of the *Middlesex Chronicle* at the end of 1982, — "Peter Green retires to start work". For a number of years there have been several research projects which he has been prevented from either completing or "getting his teeth into" because of administrative duties, and now he has the opportunity of joining the other "emeritus staff" in the Herbarium. For example, for the next two years the Australian Government have commissioned him to write the 'Floras of Lord Howe Island and Norfolk Island' for their new *Flora of Australia*, and in 1984, this should mean a return visit to these islands as well as to herbaria on the Australian mainland. We wish him success in his work and every happiness in his retirement.

## ANNUAL GENERAL MEETING OF THE KEW GUILD

by **Martin J. S. Sands**, Hon. Asst. Secretary

On Saturday 11th September 1982, 39 members assembled in the Jodrell Lecture Theatre at 2.30 p.m. for the Annual General Meeting. In the absence of the President, Mr. B. L. Perkins, living in Kenya, the Vice-President, Mr. B. E. Lowe, took the Chair, accompanied on the platform by the Hon. Secretary, Dr. M. Y. Stant, the Hon. Asst. Secretary, Mr. M. J. S. Sands and the Hon. Treasurer, Mr. C. P. Bailes.

The Vice-President first welcomed everyone to the meeting and then all members stood in tribute to Kewites who had died since the 1981 Annual General Meeting: P. Chandler (1919), a life member of the Guild and O. B. Orchard (1927).

*Apologies for absence* were received from the following members: B. L. Perkins (President), H. P. Boddington, J. P. M. Brennan, H. G. Butcher, Mrs. E. J. Cowley, T. Garwood, J. L. Gilbert, M. J. Griffin, D. Hardman, C. Hart, F. J. Hebden, R. Hughes, K. R. Jones, Mrs. A. E. C. Joy, G. S. Joy, F. P. Knight, E. C. Neighbour, C. G. W. Poulter, Miss E. H. Smith and J. R. Woodhams.

The *Minutes* of the A.G.M. of 1981 were then adopted. The Vice-President, referring to the minute concerning the George Brown commemorative award, then drew attention to the fine new memorial lectern in front of him which had been engraved with the name of G. S. Joy, the first recipient of the award. There were no other *matters arising from the minutes*.

The Committee then reported as follows:

The Hon. Treasurer, Mr. C. P. Bailes, presented *the accounts for the year ended 31st December 1981*, which were printed in the Journal and which, for the first time for many years, showed a net deficit with expenditure exceeding income by £181.30. Furthermore, if the growth of the Award Scheme account was disregarded, the real deficit figure was considered to be nearer to £450 and, referring to *the accounts for*

*the half-year to 30th June 1982*, it seemed evident that this figure could be considerably greater by December. For the half-year, the general deposit account was indicated to be standing at £2,625.07, the current account at £311.09 and the Award Scheme account at £1,919.15, in addition to the sum invested in the separate Charities Official Fund account. Reserves had been allocated to cover the cost of a new edition of the Wakehurst booklet which Mr. F. N. Hepper had agreed to edit. With reference to the deficit, the Hon. Treasurer indicated that the effect of inflation upon expenditure and the real value of assets with a consequent loss of income, was a significant contributory cause, coupled with an inadequate receipt of income from subscriptions amounting to only half of the sum needed to print and distribute the Journal alone. Careful analysis of subscriptions income showed that, of the total membership, approximately 20% had been paying insufficient and a further 20% had paid nothing at all in the last year. It was apparent that, over the past few years, members had been subsidised to some extent by income from investment, the value of which had not been increasing to keep pace with inflation. The Hon. Treasurer expressed the view that the Guild must seek to finance its activities largely from subscriptions, and accordingly recommended a substantial increase in the annual amount payable.

After considerable discussion, a new subscription rate of £7 was proposed by Mr. C. E. Cherry, seconded by Mr. A. Hart and agreed, with the establishment of a student rate (perhaps 50%) to be set at the discretion of the Committee, which would also consider sympathetically any member known to be in particular financial difficulty. The need to inform the membership of the rise in the subscription rate as soon as possible was recognised and it was agreed that a clear letter explaining the need for the increase should be dispatched to all members, with an additional note to life-members suggesting that they might care to contribute in order to aid the Guild in improving its financial position.

On behalf of the Hon. Membership Treasurer, Miss E. H. Smith, who was unable to be present at the meeting, Mr. Bailes then indicated a *Membership* of 629 and 176 life-members, and appreciation for his difficult work as Treasurer was expressed by everyone present.

Referring to the *sales of ties and badges*, Mr. S. Henchie reported that, in the period since December 1981, when he assumed responsibility for them, 16 ties, 6 scarves, 2 blazer badges and 5 lapel badges had been sold. He then provided figures for the stocks remaining and stated that, at the Annual Dinner, the sale of old copper printing plates had raised a sum of £45.50. The possibility of producing other saleable items such as Guild T-shirts had been considered by the Committee during the year but had not been agreed.

The Hon. Editor, Mr. R. C. Ward, reporting on the 1981 *Journal of the Kew Guild*, indicated that, compared with the previous year, there had been only a minimal rise in the cost of printing. He then received congratulations and a unanimous vote of thanks for once again editing an excellent journal.

It was reported that the *Annual Dinner* had been a pleasant and memorable occasion, which the Director, Professor E. A. Bell, had attended as a special guest of honour. Nevertheless, for a variety of reasons, including the cost of printing the menu and a last minute reduction in the number of those attending, the Dinner had incurred a serious loss of £164.

The Vice-President, Mr. B. E. Lowe, who had represented the Guild at the *Students' Prize Day*, reported that it had been a successful event attended by Mrs. Peggy Fenner, the *Parliamentary Secretary to the Ministry of Agriculture, Fisheries and Food*, who, after addressing the audience, had presented the prizes. After the ceremony, Mr. Lowe had spoken briefly from the platform about the Guild, drawing particular attention to the Award Scheme.

The Vice-President welcomed the Director, Professor E. A. Bell, as a new Trustee of the Guild and then thanked the officers as well as the *retiring members of the Committee*: Messrs. N. Hickman, A. J. Mugford, D. R. Owen, L. A. Richardson and Miss S. Gregory (Students' Union representative) and Mr. H. Fliegner as Auditor, for their help and support during the year. Mr. B. E. Lowe and Mr. B. L. Perkins also completed their terms of office as Vice-President and President respectively, and the Hon. Secretary read extracts from a communication received from Mr. Perkins in Mombasa, who expressed his personal thanks to the officers of the Guild and sent best wishes to the meeting, especially to those of his contemporaries at Kew who might be present.

Mr. K. F. R. Pearson, as Secretary of the *Award Scheme* sub-committee, reported that three meetings were held during the year, but although two applications for awards had been received, neither was granted. During the evening after the previous Annual General Meeting a talk and films about the Palm House and Temperate House had been attended by 45 people and the event had raised £59 for the Award Scheme funds, while at the Annual Dinner a raffle had resulted in a profit of £55. Indicating a sum of £330.70 available for awards, he appealed to members to apply, stressing at the same time, the need to continue fund-raising in order to keep ahead of inflation. Mr. Pearson then thanked Professor K. Jones, retiring after several years as Chairman of the sub-committee, and concluded by drawing attention to a visit to the renovated Temperate House that evening, an event organised in aid of the Award Scheme.

#### *Election of Officers, Members of the Committee and Auditor:*

Mr. P. S. Green, being the Committee's nomination, was elected as President for the year 1982-83. On taking the Chair, he addressed the meeting briefly and particularly expressed thanks to the retiring President, Mr. B. L. Perkins for his year of office, and to Mr. Lowe, Vice-President, for acting on Mr. Perkins' behalf, not only at the Annual General Meeting, but in chairing the meetings of the Committee through the year. The other Officers, four new Committee Members

and Auditor were then elected *en bloc*, their names appearing at the beginning of this Journal.

Mr. S. W. Rawlings then drew attention to the fact that, prior to the meeting that afternoon, several members with cars had been unable to gain access through the Jodrell Gate, and Mr. J. L. Norris suggested that, to save money, tickets for the tea could be collected at the meeting. After brief discussion it was agreed that, in future, tea tickets would not be posted to members and that arrangements would be made to ensure that the gate would be opened to enable members to park behind the Jodrell Lecture Theatre on the occasion of the Annual General Meeting.

Following the decision made earlier in the meeting to raise the annual subscription to the Guild, it was suggested that the Committee should consider ways in which the membership could receive more value for the money paid, and it was agreed that the Committee should be informed of any suggestions from the members as to what might be offered, so that they could be given due consideration.

There being no *other business*, the meeting closed at 3.45 p.m. and members walked through the Gardens to Museum No. 1 to join their families and friends for tea.

## REPORT OF THE 1982 ANNUAL DINNER

by Paul Summers

The 1982 Annual Dinner was held on Wednesday 19th May at The Imperial College Refectory, South Kensington, a shift, at popular request, back to our original venue, with 125 members and guests attending. This figure being close to the previous year's attendance. Members £8 a head; students £6 a head.

The toast to our President, Mr. B. Perkins, was given by Mr. C. E. Cherry, and the response was given by Mr. B. Lowe (Vice-President), due to Mr. Perkins inability to be with us. Mr. D. Spink, President of the Kew Students' Union, proposed the toast to our guests and absent friends, and the reply was given by Professor Arthur Bell, B.Sc., M.A., Ph.D., C.Chem., F.R.S.C., F.L.S., the new Director. Once again our editor, Mr. R. Ward, officiated very capably as Toast Master with Mr. K. Pearson and Mr. S. Henchie undertaking sterling work in raising funds for the Guild (Raffle and Memorabilia Stall).

I would like to express my thanks to all those who helped in arranging the evening and making it a success. The 1983 Dinner date has been provisionally fixed for Wednesday 25th May at The Imperial College Refectory, South Kensington.

## **KEW GUILD AWARD SCHEME REPORT**

by R. Adams

This last year saw the retirement of Professor K. Jones as Chairman of the Award Scheme Committee. The new Chairman is K. Pearson. The Committee would like to express their thanks to Professor Jones for his valuable contributions to the Committee, and for keeping order, both in Committee and during the extra-mural activities. Thanks also go to K. Pearson for all the hard work he has put in as Secretary. The Committee welcomes Miss S. Tasker as a new member.

During the last year only one award was made. This was to Miss E. Brentnall, who is going on an expedition to Sabah, Borneo. The number of applications was down this year from previous years.

Once again the committee members ran a raffle at the Annual Dinner. This raised over £50 for the Award Scheme fund. The money raised from the Dinner raffle has been increasing each year over the last few years thanks to the generosity of the members attending.

The custom of the Award Scheme Committee arranging an evening's entertainment after the A.G.M. was continued again in 1982. This time a conducted tour around the newly re-opened Temperate House was arranged. We are grateful to H. Fleigner and Miss S. Tasker for giving up their time and expertise to act as guides. Afterwards everyone returned to the Jodrell Common Room for a buffet supper. It was another successful evening which made a satisfactory profit helping to swell the Award Scheme funds. We are grateful for the use of the Common Room and facilities but the success of the A.G.M. evening is beginning to stretch the facilities available.

The finances of the Award Scheme are generally satisfactory being boosted by the raffle money, the A.G.M. evening, and donations during the year. However, the amount available for awards is still quite small. It is difficult to know how to substantially increase the capital which would be within the capabilities of the Committee. It is a perennial discussion point at each meeting, so if there is any rich benefactor around we would like to hear from them!!

The Award Scheme Committee would like to take this opportunity of publicising the Scheme to all Guild members. If any member has an ambition or project which has been limited by finances, perhaps the Award Scheme could help. The Scheme is available to all members of the Kew Guild.

## **SOME THOUGHTS ON THE AWARD SCHEME**

by Graham Burgess

There seems to be a common misconception amongst Kewites that the Kew Guild Award Scheme exists solely for those of younger years who wish to explore far reaches of the earth's surface. On the contrary

we welcome those who are getting older but don't feel it and those who are and do. I am in this last category but I am looking forward to the day when I can leave the committee and put in an application for some assistance in a subject of interest to me. I can think of a lot of things where £50-£100 would be of great help.

For those of you who are on the brink of making an application do so as quickly as possible. I would rather you did it now because later I want to have the maximum chance of success with my application/s!

Note application/s not application.

Applicants so far have been to Munich; Italy; Dublin; Nice; Leiden; Peru; China and Giverny France. One successful applicant furthered endeavours in deepest London.

Expeditions of the geographical sort are relatively easy to indulge in. For a start one is leaving everything else behind. The difficult trips are those in the Mountains of Paperwork (have you been there yet?). A small Award from the Kew Guild Award Scheme could provide you with funds enough to finance a typing operation or provide you with oxygen so that you can climb to the top to see how worthless most of it is.

We are giving money away but that is not the end of the story. The committee is seated in Kew and through its contacts we may be able to offer a wide range of advice.

The Award Scheme is all about action. The sort of action that gets things done. Please as a priority consider yourself as a potential applicant. If you cannot apply, then send a donation towards the continuing life of this aspect of our profession.

## STUDENTS EXCHANGE VISITS

Each year three first year students are 'exchanged' with three from the Royal Botanic Gardens, Edinburgh. The students also make reciprocal exchanges of their accommodation. Those that come to Kew are taken to Wakehurst Place and Wisley. Whilst in Scotland the Kew students usually visit all or some of Edinburgh's satellite gardens as well as other horticultural establishments within convenient reach.

This year's students were Miss C. Barker, Miss A. Prail and J. Robbins.

In addition there are individual 'exchange' visits to various parks and gardens in the U.K. or Europe. The students were:

- K. Sorvig — Bambuseraie par France, France
- C. Porter — Munich B.G., W. Germany
- D. Francis — Leiden B.G., Holland
- D. Spink — Geneva B.G., Switzerland
- I. Grisenthwaite — Bodnant Gardens, Cornwall

In both cases the students make a written report which is available for others to read giving information about their stay and the arrangements. These reports, together with the Mutual Improvement Society's



lectures help to disseminate information to those less fortunate than themselves.

Other visits are also made under the official aegis and this year a party of second and third year students, led by L. Pemberton and S. Henchie, plus Mr. J. Marshall of the National Trust, visited Holland to see the Floriade (the national flower show which is held once every ten years). A duplicated report was produced and anyone who is interested may write in for a copy (there are previous reports covering visits to Germany in 1979, Holland and Germany 1980, which are also available on request).

Student participation in the 1982 Holland visit:

C. Jang	International students from China
X. Jin	
F. Naet	International students from Switzerland
D. Avigdor	
D. C. Layton	C.18
I. Leese	C.17
Miss T. Tan	C.19

## PRESENTATION OF THE KEW DIPLOMAS AND PRIZES 1982 (Course 17)

Introduction by the Director, Professor E. A. Bell, B.Sc., M.A., Ph.D., C.Chem., F.R.S.C., F.L.S. Address by the guest of honour, Mrs. Peggy Fenner, M.P.

### THE KEW DIPLOMA

#### Honours

J. Buckland	E. Locke
A. Cranham	M. Looker
T. Danford	K. Sorvig
M. Innes	G. Stebbings
I. Leese	

#### Credit

D. Borg	B. MacDonald
M. Burridge	J. Palmer
J. Coleby-Williams	D. Trewin
S. Gregory	

#### Pass

J. Crowther	S. Torode
W. Foster	D. Dawson
S. Sng	

#### International Certificate

D. Avigdor	F. Naef
J. MacMichael	

## PRIZES

The Ernest Thornton-Smith Travelling Scholarship . . . .	J. Coleby-Williams
G. C. Johnson Memorial Prize . . . . .	T. Danford
Kingdon-Ward Prize . . . . .	M. Looker
Landsman Bookshop Prize . . . . .	G. Stebbings
Sir Joseph Hooker Prize . . . . .	I. Leese
Donald Dring Memorial Prize . . . . .	S. Morris
The Metcalfe Cup . . . . .	M. Haward
Matilda Smith Memorial Prize . . . . .	S. Gregory, M. Innes
Dummer Memorial Prize . . . . .	M. Looker
Proudlock Prize . . . . .	M. Burridge
Prize for the best vegetable plot . . . . .	E. Locke
Kew Guild Individual Study Prize . . . . .	J. Buckland
George Brown Prize . . . . .	M. Innes
C. P. Raffill Prize . . . . .	I. Leese
Professor Keith Jones Cup . . . . .	I. Leese
Mutual Improvement Society's Prize . . . . .	S. Torode
Lecturer's Prize . . . . .	T. Danford
Plant Identification Tests . . . . .	T. Danford
Students' Union Life Membership . . . . .	D. Borg, T. Danford, M. Looker, B. MacDonald

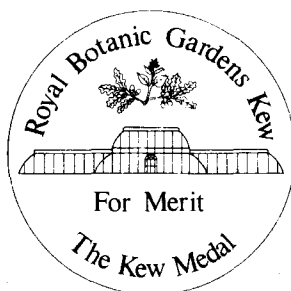
## TITLES OF MANAGEMENT PROJECTS (Course 17)

D. Borg	Staff training in use of machinery at Royal Botanic Gardens, Kew.
J. Buckland	A management case study of the Railway Parkland Walk, North London.
M. Burridge	Proposals for the future management of the Rose Garden at the Royal Botanic Gardens, Kew.
A. Cranham	A redesign for the landscape of Wandsworth Park.
J. Crowther	A study of the use of plant labels in National Trust gardens.
J. Coleby-Williams	Management project of Brookmill Park.
A. Danford	A feasibility study for the cultivation of tropical marine algae at the Royal Botanic Gardens, Kew.
D. Dawson	To assess the mixed woodland at Painshill Park with recommendations for its development.
W. Foster	The management and shop maintenance of house-plants.
S. Gregory	Women in Horticulture — an analysis of the career structures of women in horticulture in Britain today.
M. Innes	A proposed vineyard for Painshill Park.
I. Leese	An evaluation of the use of audio-visual aids in horticultural education and training.

- E. Locke                    A lakeside nature trail at Painshill.  
 M. Looker                The development of teacher packs for the Royal Botanic Gardens, Kew.  
 B. MacDonald            The development of a Cotswold garden.  
 J. Palmer                 A critical appraisal into the role of the Parks Manager at Battersea Park.  
 S. Sng                     An investigation into the management of House No. 5 at the Royal Botanic Gardens, Kew.  
 K. Sorvig                 The role of horticulture in psychiatric therapy.  
 S. Torode                 The first post-Diploma experiences of former Kew students with a view to clarifying training needs.  
 D. Trewin                An investigation into the running of Plymouth City Council's tree and shrub nursery.  
 G. Stebbings             A tree survey and investigation into possible records system for the Grosvenor Estate.



## THE KEW MEDAL AWARDS



Struck in silver-gilt (silver gilded with gold) and first awarded in 1980, this medal is simply inscribed '**FOR MERIT**'. On the advice of a Selection Committee, representing all Divisions at Kew, it is awarded annually by the Trustees of the Gardens Trust to those whose achievements, contributions, or services to the gardens at Kew and Wakehurst Place are considered of outstanding merit and deserving of special honour.

The face design of the medal illustrates the Palm House (1840-1844) and has above a spray of Oak and Para Rubber, *Hevea brasiliensis*, leaves representing both the knowledge and work of Kew staff. The reverse has a circle of vine leaves and a crown, signifying the Royal Botanic Gardens, Kew, and its links around the world. Within the vine circle is a space for engraving the name of recipients and the year of the award.

### 1982 Kew Medal Awards

**Thalia Bence**, Higher Scientific Officer, Herbarium. For her devoted and conscientious work on the Index Kewensis.

**Jack Dixon**, Transport Supervisor, Services Section. For long and helpful service cheerfully given to all Divisions.

**Peter Gibbon**, Propagator, Science Support Unit. For his notable achievement in the maintenance of the research and quarantine collections and for his contribution to good staff relations.

**Ruth Henderson**, Gardens Supervisor, Palm House Unit. For an outstanding range of exceptional services.

**Fred Larkbey**, Part-time Gardener, Grade I, Herbaceous Section. For his skill as a grower.

## RETIREMENT OF MR. S. BROOKES, SECRETARY TO R.B.G.

by Margaret Stant

A vinous luncheon party was given in the Administration Block to mark the retirement of the Head of Administration on Friday, 17th

December 1982. The Director, Professor Bell, presented Stanley and his wife Jean with a games table, a portable radio and other gifts from their friends and colleagues in all divisions of R.B.G. Kew and Wakehurst Place.



Stanley Brookes (right) and Director after presentation.

Stan retires after 40 years with M.A.F.F. interrupted by war service with the R.A.F., the last six years being spent at Kew. We were bidding farewell also to Jean Brookes who has been Secretary to the Bentham and Moxon Trust. Happily Jean and Stan are both members of the Guild and we hope to see them regularly whilst wishing them a long and happy retirement.

### **RETIREMENT OF MR. P. S. GREEN, DEPUTY DIRECTOR AND KEEPER OF THE HERBARIUM**

by Margaret Stant

At lunch time on Wednesday 22nd December 1982 many members of staff from all divisions crowded into Number 4 Wood Museum to say goodbye to Peter Green who is currently President of the Kew Guild. The Director, Professor Bell, made the presentation to Peter and his

wife Winifred of a set of cutlery, chosen by the recipients, together with a watercolour drawing of Jasmine by Christabel King. Professor Bell briefly outlined our President's botanical career, beginning at King's College, London, interrupted by war service as an army captain, and culminating, after spells at Edinburgh Herbarium and the Arnold Arboretum, in 16 years taxonomic and administrative work in the Herbarium at Kew, the last six as Keeper and Deputy Director.

The occasion was made convivial by the provision of soup, cheese and wine, greatly appreciated by Peter's friends and colleagues. Now freed from the burden of management chores, Peter looks forward to continuing his botanical research in the Herbarium and has been awarded a special grant to visit Australia and support his work on aspects of the Flora.

We wish our President a long and happy retirement among the plants he loves.



Left to right: The Director, Professor E. A. Bell with the President of the Kew Guild, Mr. P. S. Green, and his wife, Winifred, at the presentation of the retirement gifts.

## **THE KEW STUDENTS' UNION ANNUAL REPORT**

by Dave Spink, President

The President of the Students' Union is required to undertake many daunting tasks, not the least of which is that of writing a summary of the years events within the S.U.!

Recent years have seen many changes including a drastic reduction in the number of students both as a result of premature departures and reduced intake. The remaining 'hard core' of interested students are left to try and organise what events they can on a budget limited to subscriptions, fund-raising events and what there may be left in the kitty from the previous year.

Fortunately we had a strong balance to carry over, due mainly to the sterling (!) efforts of last year's exec., and a larger share in the proceeds from the fête. This enabled us to buy some new, much-needed disco equipment with the help of the Kew Club. Unfortunately we were unable to utilise this to the best due to an appalling turn-out for the few social events organised; let's hope this improves in the future! Apathy amongst fellow students can be a real killer and, although financial loss was minimal, attendances were at an all-time low until the event after the fête when live bands provided a most enjoyable evening for a crowded venue. What a pity our Social Secretary was unable to see this dramatic improvement!

Our attempts to relieve the enormity of the academic workload on students met with limited success. Although there was a very strong feeling amongst the student body that at least one topic was largely irrelevant to the needs of modern horticulture, little progress was made in this direction and the course content remains basically the same. However, important changes have been made with regard to the Management side of the syllabus, and we hope that the improvements incorporated will benefit future students.

My thanks to last year's exec. who helped, cajoled, and supported me: also best wishes to those who are carrying on the work at present, and to those who may continue in the future.

#### **Students' Union Executive Committee 1981/82**

D. Borg	Vice-President
M. Haward	Treasurer
A. Robin	Secretary
C. Porter	Social Secretary
J. Gaskell	Sports Secretary
J. Buckland	Third Year Representative
H. Sheldon	Second Year Representative
A. O'Grady	First Year Representative
L. Potts	Chairman, Fund-Raising Committee

### **STUDENTS' SPORTS REPORT**

by Jeffrey Gaskell, Students' Sports Secretary

The events calendar contained many successful events, including the Wisley-Kew relay race, which was won by the Old Kewites team in a time of 2 hours 35 minutes and 52 seconds.

They had a highly organised and well trained team led by Paul Potter which made up for their age disadvantage. An excellent result for them,

nonetheless. Other teams taking part were from Edinburgh, Wisley and Kew itself. The appearance of Wisley was a rare occurrence and I hope it is repeated in future events.

Results were as follows:

- 1st Old Kewites in 2 hours 35 mins. 52 secs.
- 2nd Kew Students in 2 hours 42 mins. 32 secs.
- 3rd Edinburgh B.G. in 2 hours 48 mins. 50 secs.
- 4th Wisley in 2 hours 56 mins. 28 secs.

The Five-a-Side soccer tournament is an event tied up with the relay race and this year saw some hard aggressive play from all teams, but the obviously highly organised and skilled team representing Crawley Parks Department eventually walked off with the trophy after extra time, against Edinburgh B.G.'s 1st team, who gave their all, (and had plenty to give — ask any of the Crawley team!).

During the autumn we had the Clog and Apron Race, which becomes more and more of a media event each year. Radio, television and newspaper reporters were present to see Dave Francis, a third year student, pass through the tape first, in a time of 57.5 seconds. The first lady over the line was Nina Barr, a first year student, in a time of 60.8 seconds (see photograph).



Clog and Apron Race. The winner was Dave Francis.



Dave continued his success by winning the Round the Gardens Race a fortnight later in a time of 15 minutes 40 seconds. Second was Colin Porter, another third year student, in a time of 15 minutes 50 seconds, and third was Pete Edwards, from the Herbarium, in a time of 16 minutes 33 seconds. The first lady was Frances Harris Ross from Wakehurst in a time of 16 minutes 42 seconds.

A relatively new sport at Kew gathered momentum during the winter of 81/82. The Badminton court in the lower nursery was well patronised during almost all the weekday evenings. It is such a pity that this had to come to a temporary halt because building work in the area has meant that a large shed now infringes onto the playing area. It is expected to be removed this Easter so that play can resume as before.

Some late news is the announcement of the formation of a M.A.F.F. Sports and Social Association Sub Council at Kew. Hopefully improving funding and communication of the various Societies at the gardens by issuing a separate newsletter to give details of forthcoming events.

Finally I would like to thank all those people who helped me during the year and a special thank you goes to Brian MacDonald for his valuable assistance.

## **KEW STUDENTS' UNION ANNUAL FÊTE**

by Colin Clayson, Fête Committee Chairman

The Kew Fête was held in 1982 on Saturday the 14th of August. Although the sun did not manage to join us for the occasion there was no rain this year.

This annual event was once again organised by first year horticultural students and the great success it turned out to be was due to the combined effort of students and staff. Professor Bell made his first, of which we hope will be many, introductions to the guest celebrities who officially opened the afternoon's events. Our guest this year was Mr. Anthony Bate, known for his many fine dramatic rôles in theatre and on television.

Musical entertainment was provided by a local modern jazz band called "The Feelers" and by one of London's leading steel bands "Metronome". Both groups proved very popular with the very young, up to the not so very young. Another entertainment, also a big crowd puller, was a demonstration by the Putney Tai Kwando Club. This was a dynamic Korean form of the martial arts.

There were, of course, the traditional fête stalls such as Jumble, "Beat the Goalie", "Man in the Stocks", the "White Elephant" and many have-a-go stalls. Not forgetting the ever more popular plant stall. Children were well catered for with various rides and in the kiddies area with face painting, pillow fighting and many games with the Kew

Clowns. Last, but not least for many people, were the teas provided in the marquee and over in the bulging beer tent.

The afternoon's events were a pleasing success and raised nearly £1,600 for charity. The proceeds were donated equally to the charities Shelter, The Richmond Philanthropic Society, The Gardeners Royal Benevolent Fund and to the Kew Students' Union. The students' organising committee would like to thank everyone who generously gave their time in making the Kew Fête '82 a successful and memorable occasion.

## **THE LIVING COLLECTIONS DIVISION REPORT 1982**

by R. I. Beyer, Deputy Curator

The last paragraph of my contribution for 1981 ended with mention of the devastation caused by the unusual heavy snow fall in December and a somewhat pessimistic comment that it was not a very good way to end the year. Having literally picked up the pieces after the Christmas holiday, which each year seems to get longer, 1982 turned out to be a significant landmark in the history of the Gardens with the re-opening of the Temperate House in May by Her Majesty The Queen but more of that later.

Our new Director, Professor Arthur Bell, was faced with many new challenges during the year not the least of which was meeting staff of all divisions and attempting to find out how Kew functions. It is perhaps worth observing that many of us who have been here a number of years have still not fully found this out ourselves. Sufficient to say we are gratified that he took a positive step by giving a series of talks to Gardens staff on how he sees our rôle further evolving and took the opportunity to meet many of those who keep the division running at a fairly hectic pace. We look forward to new challenges during his directorship and wish him every success in steering us forward through demanding times which will include the transfer of Kew to Trusteeship.

January followed the cold weather of December and minimum air temperatures fell below freezing on 12 days but snow was light and we did have some sunshine! As the season advanced it was possible to see the results of the winter which happily was not as bad as was first anticipated, though a number of marginally tender subjects did succumb to the cold. The severity of the weather in December and January was offset in part by the snow covering which protected and kept dry plants which otherwise would have been severely damaged or killed. Damaged trees both at Kew and Wakehurst which were in need of repair and pruning following snow damage, gave the Tree Unit a heavy work programme which was not completed until well into the summer.

For many years we have awaited a modern automatic telephone system at Kew, so it was with some surprise that at long last this became a reality. Sadly the helpful voice of the Kew operator is now

rarely heard having been replaced by an electronic monster that lurks somewhere in the bowels of the Administrative Building. Now that most, if not all, have become accustomed to pushing recall buttons, dialling numbers direct and having three-way conversations it must be admitted that it does take less time and frustration to bother one's colleagues.

As mentioned earlier, the major event of the year was the re-opening of the Temperate House which caused a considerable flurry of activity to complete the plantings, tidy up and make arrangements for the day. No mean task with a reduced number of staff to call on, but somehow achieved by a willing and cheerful band of helpers. The 13th May dawned bright and clear and remained so throughout, much to everyone's delight. The day's programme started with a seminar in the Jodrell Lecture Theatre entitled "Historic Greenhouses and Royal Kew". Papers which were presented covered the historic glasshouses at Kew, the work of Turner and Burton. The meeting was concluded by the film "A Palace for Plants" which showed the restoration of the Temperate House. A hasty meal was taken by those attending so that they could be at the Temperate House by 2.30 p.m. for the arrival of Her Majesty The Queen. As on such occasions, long lists of staff and guests to be presented had been prepared and it was pleasing to record that as many staff as possible who had worked on the re-landscaping and plantings were included. Her Majesty arrived at the Main Gate where she was welcomed by the Minister, Director and other VIPs. A cavalcade then formed behind the Royal car which travelled along the Broad Walk and Pagoda Vista to the front of the Temperate House where further presentations were made. After formally unveiling a large commemorative stone (some say it resembles a sarcophagus), Her Majesty spent some time looking at the structure, new plantings and speaking to staff. A young plant of the Chilean Wine Palm **Jubaea chilensis** raised from the mother plant which had survived the restoration was planted by Her Majesty before she took tea in a large marquee situated on the lawn in front of the Temperate House. A brief tour was made of the Marianne North Gallery and then Her Majesty left on a short car journey through the Arboretum with the Curator before leaving the Gardens at the Main Gate at approximately 4.30 p.m.

To conclude the day an evening concert was held inside the Temperate House at which Marissa Robles, Christopher Hyde-Smith, the Fairfield String Quartet and Vale Wind Quintet performed. The Building was illuminated throughout and although crowded with approximately 2,000 people, provided a most relaxed setting for those staff who managed to survive the rigors of the Royal Visit. To round off the celebrations, a display of fireworks of frightening dimensions were set off lasting approximately 30 minutes. All agreed it was a day to savour and remember for a long time.

Against the background of such an event other achievements which under normal circumstances would have been significant seem to be much less important, however they deserve a mention. The Ice Well

which for years has been neglected and shut was renovated, lighting installed and opened to the public. To provide much needed picnic facilities for the public, a tent structure has been erected adjacent to the Tea Bar under which the Baron Tree Transplanter is housed. Explanatory photographs and text will be provided to explain the use of this last remaining machine known to be in existence though I hasten to add we have no plans to use it again in the foreseeable future.

Having completed one major scheme, serious and deep thought has been given to the planned replacement of the T-Range complex which is due to start in the Spring of 1983. Besides finding space in the nursery for the plant collections which included the erection of two temporary polythene clad structures, the conversion of House No. 4 to provide an alternative representative public display collection of tropical plants for the public had to be completed. As the new T-Range complex would extend over the Grass Garden, the major task of moving this collection to the old Iris Garden had to be undertaken in the spring. In some ways this has been a worthwhile exercise as it has enabled the collection to be re-arranged in a more logical manner. Finally a prototype section of the new structure is being constructed in the Lower Nursery so that engineers and ourselves can identify problems at an early stage and before it is too late to make alterations to structural and engineering detail.

Building works at Wakehurst include the construction of a new Potting Shed Complex in the nursery, the completion of a new public toilet block and the re-construction and building of new walls around the Sir Henry Price Garden. The latter caused considerable disruption but now the Garden is entirely surrounded by solid walls which add to the character of this attractive feature.

Sadly we said farewell to some members of staff who left for a variety of reasons including Ruth Henderson who resigned her post as Supervisor in the Palm House. New appointments included the promotion of John Woodhams to Assistant Curator, Tropical Section, Susan Gregory as Supervisor of the Palm House and Peter Bradley as Supervisor in the Fern House — we wish them every success.

Once again many opportunities opened for L.C.D. staff to travel abroad. This is now recognised as an essential element of job development and enables individuals to gain a wider and more professional insight as well as contributing to the International Role Kew performs. In June the Curator attended a meeting of the American Association of Botanic Gardens in New York to present a keynote paper entitled "Creating Habitats for Living Collections". Hans Flegner visited Bangladesh and Jim Keesing is currently in India. Both are involved in giving advice and practical help in the development of botanic gardens. Simon Goodenough is on route for St. Helena to set up a small propagation programme to help with the re-establishment of endangered species on this remote Atlantic Island. Leo Pemberton attended the 21st Horticultural Congress in Hamburg during September and took the opportunity to visit botanical and horticultural institutes. A

five week expedition to South Korea involving Charles Erskine, Jill Cowley and myself primarily to collect seeds of woody plants during October proved very successful and worthwhile.

Space does not allow for a more detailed analysis of the year's work and I am sure I have not mentioned many things which my colleagues think to be of significance but I hope I have conveyed the impression of a vibrant period in the Gardens history which has been maintained despite the reduction in staff. This could not have been achieved but for the dedication and interest of all those involved. We look forward to continued challenge in the future which will include other projects not mentioned above, for instance a new museum in the Herbarium nursery which will need major landscaping work and the renovation of the Palm House to mention but two. At least this year I have no need to mention heavy snow in December, but the pleasant appearance of the first winter **aconite** in flower.

## THE TUESDAY EVENING LECTURES WINTER 1982/83

by Nigel Hepper

The following was the programme of popular lectures held in the Lecture Theatre between 5.00 p.m. and 6.00 p.m. on Tuesdays:

- 5 Oct. 1982 **Dr. Phillip Cribb** 'Whistle stop tour of Africa from the Cape to Carthage'.
- 19 Oct. 1982 **Mr. Peter Green** 'A brief botanical visit to Hawaii.
- 9 Nov. 1982 **Mr. Gwilym Lewis** (From coast to caatinga: in search of Brazilian Legumes'.
- 16 Nov. 1982 **Mr. Rex Filson** 'Lichening the Arctic to the Antarctic.'
- 5 Dec. 1982 **Dr. Edward Anderson** 'Conservation of cacti in Texas'.
- 11 Jan. 1983 **Dr. Barbara Croxall** 'Fern Hunting in New Guinea'.
- 25 Jan. 1983 **Mr. Ian Beyer** 'The Land of the Morning Calm — Seed hunting in Korea'.
- 8 Feb. 1983 **Mr. Desmond Meikle** 'The Flora of Cyprus — a completed project'.
- 22 Feb. 1983 **Mr. Mark Clements** 'Australian Terrestrial Orchids'.
- 8 March 1983 **Dr. Chris Grey-Wilson** 'The High Pyrenees — a close look at Alpines'.
- 22 March 1983 **Mr. Simon Mayo** 'Geography and Evolution of the Araceae'.
- 5 April 1983 **Mr. Gren Lucas** 'Conservation, Who Cares?'
- 19 April 1983 **Dr. John Dransfield** 'A Diversity of Palms'.

## CONGRATULATIONS!



Arthur Borrett entered Kew as a Trainee Gardener in 1947 and left to join the firm of Notcutts Nurseries. At the last Notcutts Christmas Dinner Charles Notcutt presented Arthur with a watch for 25 years of service. For many years Arthur had been Senior Plant Advisor at Woodbridge.

Congratulations Arthur.

## THE KEW MUTUAL IMPROVEMENT SOCIETY

by Louise Bustard, Chairman

The Kew Mutual Improvement Society found itself in a very healthy condition in 1982 with enlarged membership and attendance figures. Increased efforts to publicise the Monday evening meetings both within and without Kew have paid off handsomely.

The Spring 1981/82 Season offered widely varying subjects from talks on conservation by Chris Brickell and Mike Innes (student), to travel and plant-hunting by Antony Huxley, Kim Sorvig (student) and Dave Philcox. A slight deviation from horticulture was taken by Professor S. G. Cornford in his talk on Meteorology. Aspects of garden design were discussed by Tim Vaughan and Peter Thoday and an old friend of Kew, Dr. Stearn, talked on 'The Natural History Museum'. Talks on those old favourites "Alpines" were given by Mr. Nutt and Mrs. K. Dryden.

Prize winners for the year were as follows:

The Professor Keith Jones Cup (given at the discretion of the Kew Mutual Committee), the C. P. Raffill prize (for the winner of the Student Lecture competition), and the Sir Joseph Hooker Memorial prize (for the student who has done most for the K.M.I.S.) were all won by Ian Leese.

The Kew Mutual Prize (for the student most active in discussion and debates) was won by Stephen Torode.

The George Brown Prize (for the runner-up in the Student Lecture competition) was won by Mike Innes.

For the third consecutive year the Inter-departmental Quiz was won by Administration.

The Inter-College Quiz was won by Merrist Wood.

The Autumn 1982/83 Season contained three students participating in the Student Lecture Competition. They were Sophieke Piebenga talking on Powis Castle Gardens in Wales, Dave Francis on Leiden Botanic Gardens in the Netherlands and Anthony O'Grady on the lives of three eminent Irish horticulturalists. Aspects of British Natural history and Gardens were discussed by Peter Gasson, Ron Macbeath and Pam Schwerdt. Mr. Edward MacDonald took us back to the time of the Ancient Egyptians whilst Brian Humphrey brought us bang up to date with new developments in Nursery Stock Production. Joy Larkcom had us drooling over some of the more unusual vegetables and Dr. Peter Linder had us warming to the flora of Cape Province in South Africa. Mr. R. H. M. Robinson arrived successfully this year to talk on 'Horticultural Photography' having been snowed in last year during those dreadful blizzards. Lastly but by no means least we were extremely grateful to Dr. James L. Zarucchi for stepping in at very short notice to give us a talk on his travels in the northern Amazon.

The Committee was very pleased to see its plea for more variety in the 'Items of Interest' section eagerly taken up not only by students and staff at Kew but also by outside students and visitors. Long may it continue.

The Inter-departmental Quiz was held earlier than usual and was won for the first time by Tropical.

Finally, the Christmas Cake Competition reached a high standard yet again. At the risk of seeming sexist, I must say it was a change to have a lady winner for the first time in several years. The prize-winners were:

First: Sarah Cook.

Joint Second: Netta Prail and Stuart Phillips with Peter Wenham.

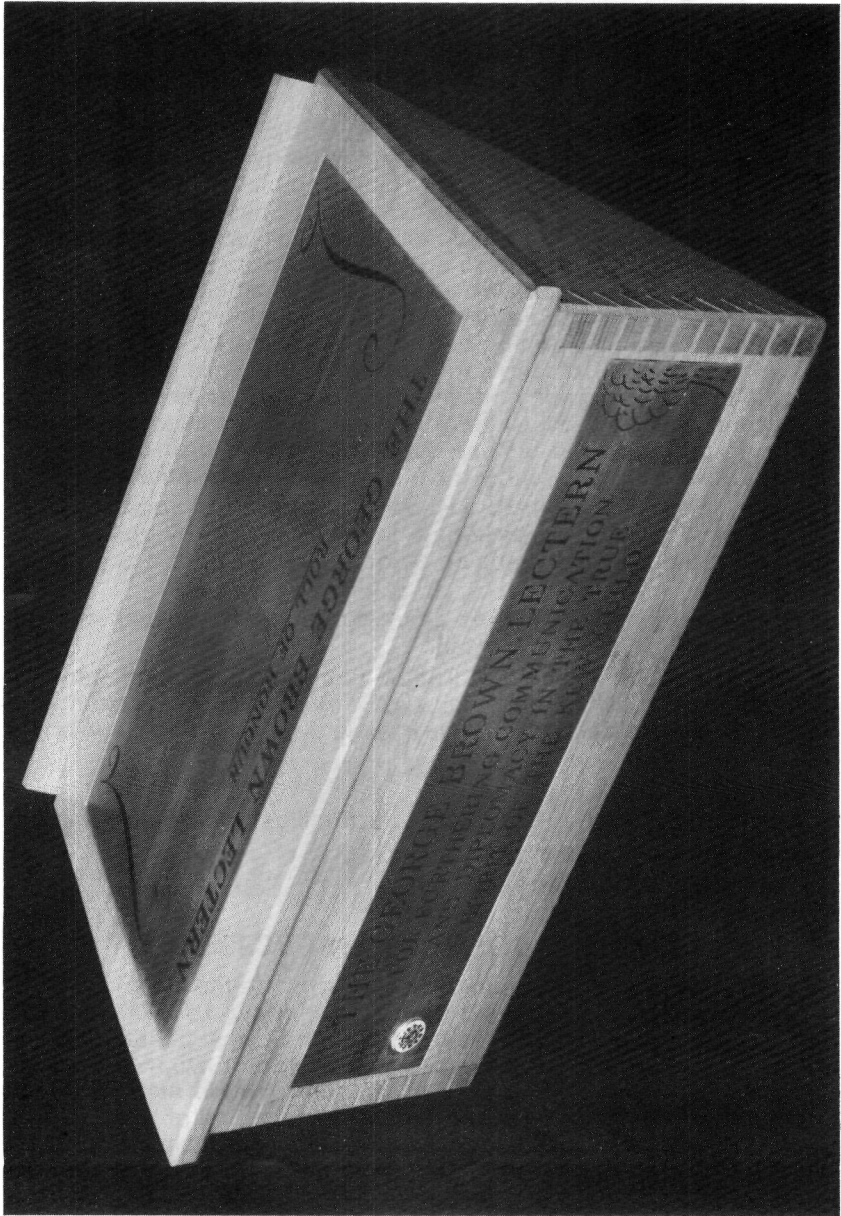
Third: Timothy Rogers.

Fourth: Ms. S. McGrath.

## **THE GEORGE BROWN LECTERN**

The Guild Committee decided to commemorate the life and work of George Brown, Assistant Curator Arboretum, Kew, 1956-77 by commissioning a lectern to be made in natural oak and inscribed with brass plates. Each year at the Annual Dinner a George Brown Award will be made by the Committee for services in communication, and the names of the recipients will be inscribed on the Lectern, Roll of Honour. This memorial was financed entirely by money generously donated by members to the Guild's George Brown Appeal.

The list of donors, listed as donations received, is printed below, the only omissions being a few cash donations received at the Annual Dinner with no names attached.





Members will be pleased to know that the Committee accepted with grateful thanks an offer from Dave Coleman (1967) to bear the annual cost of engraving the Roll of Honour names in future.

C. Armstrong	F. Hebden	T. Risley
M. Axton	J. Hingston	R. Rule
G. Brown	P. Holt	R. Sadler
M. Cherry	K. Jones	D. Sales
R. Clements	G. Joy	J. R. Sealy
E. Curtis	F. Knight	S. Sealy
A. Dunball	H. Kruger	Dr. Stant
D. Edwards	R. Mann	Prof. Tindall
J. Gaggini	J. Middleton	A. Titchmarsh
J. Garwood	J. Mowforth	A. Turley
F. Gilbert	J. Norris	R. Ward
C. Giles	K. Pearson	N. Waumsley
D. Gilkison	B. Perkins	C. Wilmot
M. Harrington	G. Pring	A. Woodward
A. Hart	N. Prockter	

## **ARGYROXIPHIIUMS** (Hawaiian Green and Silver Swords)

by Simon Goodenough, Supervisor Temperate and Arboretum Nursery

The plant of **Argyroxiphium kauense** that flowered in August 1982 at the R.B.G. Kew was raised from seed taken from the plants that previously flowered at Edinburgh. The parent plants at R.B.G. Edinburgh having been raised from seed collected at 6,000 feet near Waishinu in January 1975 by Dr. O. Degener.

**Argyroxiphium** is a small genus of six species in the sunflower tribe of **Compositae**. Initially cultivated in this country in the 1930s at Wisley and Edinburgh in the late 1950s, however, these plants were not known to flower. In the summer of 1978 Edinburgh succeeded in flowering **Argyroxiphium kauense** for the first time in cultivation.

**Argyroxiphiums** are endemic to the largest islands, Maui and Hawaii. They are found in both xerophytic (9,000-14,000 feet) and hydrophytic (4,000-6,000 feet) montane sites.

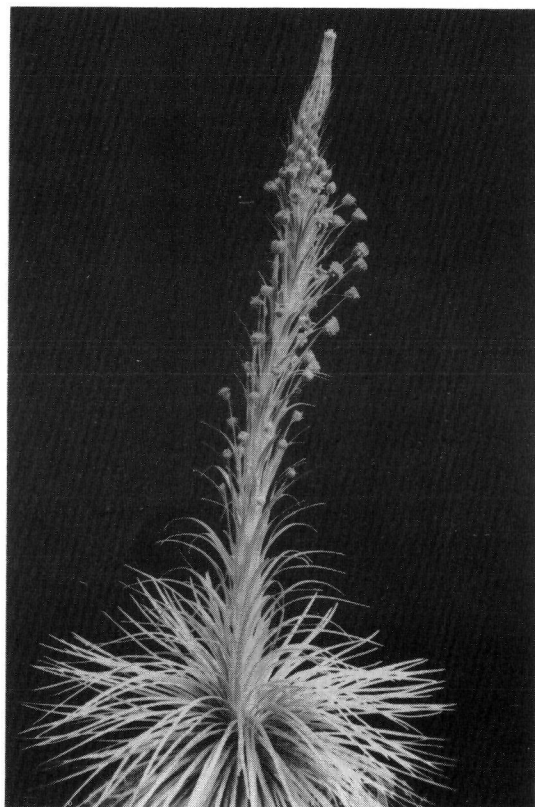
**Argyroxiphium kauense** is the largest and most silvery of the greenswords growing up to seven feet when in flower. Its leaves are greyish silver up to 18 inches long. Its distribution is fairly local, found growing in an open shrubby rainforest on the south east slope of Maunahoc above Waiohinu in Hawaii.

In 1974 an intensive study within its concentrated range of 20-30 acres showed there were only 1,000 plants to be found, thus making it an endangered species.

The flower spike on our plant at Kew developed over a period of 3 weeks and approached three feet in height. The plant was exhibited in flower at one of the Royal Horticultural Society's flower shows.



Close-up of the flower of **Argyroxiphium kauense**.



**Argyroxiphium kauense** in flower.

## THE BLUE APRON

from George Catt, Kew Student 1929

What time old Adam lost his place through Eve and cunning Lucifer  
 He made a garden of his own and planted the first Crucifer.  
 What time he cleared the twitch away with labour long and arduous  
 And grappled with *Rumex* or assailed a stubborn *Carduus*.  
 He little dreamed in all his speculations on cosmogony,  
 What talents and accomplishments would mark his latest progeny.  
 To cope with competition every year it's getting needier  
 The up-to-date young gardener must be a 'cyclopaedia.  
 The heir of all the ages is compelled to fill his cranium  
 With knowledge full as cinders in the streets of Herculaneum.  
 Commencing his apprenticeship with crocking pots and watering,  
 He's shown the snug retiring bug and set to do the slaughtering.  
 He has to learn to force a peach, the treatment of Vitaceae,  
 The whims of *Stephanotis* and the wants of *Orchidaceae*,  
 The humours of *Bouvardia*, the culture of *Chrysanthemum*,  
 The soil and situation that will suit a *Helianthemum*,  
 The needs of alpine plants that hail from mountains bleak and boreal,  
 The wants of winter Cucumbers, *Pancratiums* and Pineapples,  
 The way to make his orchard trees produce crops of fine apples;  
 Then he must learn his cropping and exhibit all ability  
 To fill the kitchen garden full of vigour and fertility.  
 And after toiling five long years in service sound and dutiful,  
 He comes at last to Royal Kew, to Kew the bright and Beautiful!  
 And here he's got to tax his brains (supposing he's got any!)  
 Elucidating structural and systematic botany.  
 He learns his cells and tissues, all wonders of Histology,  
 And struggles with the processes and terms of Physiology.  
 He battles with *Phanerogams* from *Trollius* to *Zamia*,  
 Then recklessly he plunges in the wilds of *Cryptogamia*.  
 And, finally, to consummate his efforts so laborious  
 He gets first class certificates for knowledge meritorious.  
 But just as turtle soup is the foretaste of the dinner, yet,  
 Compared with what he has to be, he's only a beginner yet.  
 To be the perfect gardener he must tax his brains intensely still,  
 And knowledge gained already must be amplified in garden skill.  
 For now-a-days his learning must be infinitely various,  
 His stores of information must be truly multifarious.  
 He should qualify in literature, in science and philosophy,  
 And be au fait in art, economics and theosophy.  
 He should compass theoretical and practical geology,  
 The range of *Dinosauria* and *Paleophytology*,  
 The properties of alkaloids, the floras of Siberia,  
 The origin of nitrogen, the action of bacteria,  
 To garner facts from modern days to ages neolithical,  
 And in crucibles of science to incinerate the mythical,  
 Should be the aim alike of the philosopher and physicist,

The botanising Kewite and the cultivating Chiswickist.  
 To be the perfect gardener he must gain all knowledge gainable,  
 Including current prices and the discount that's attainable.  
 For his mental recreation let him read his ancient history  
 Of Macedonian phalanx and Eleusinian mystery,  
 Of Memphis and Mycenae and the Elamite metropolis;  
 And it goes without saying he must be a good grammarian.  
 If he misapplies his H's he'll be counted a barbarian.  
 He should ever aim to utilise his knowledge educational,  
 To shine in good society with talents conversational.  
 For men are apt to estimate your merit and capacity  
 By the style of your address and by the skill of your loquacity.  
 And lastly, but not leastly, he with honied tongue must learn to woo  
 And win and wed a pretty girl — with a little money too!

## THE PENGUIN CAFÉ

by E. W. MacDonald ('Mac')

Hundreds of Kewites will remember Lena and 'Andy' Ferrari of the Penguin Café, and Lena's Restaurant, with affection and gastronomic satisfaction! As one who has had the pleasure of knowing this worthy couple for nearly twenty years, the writer has been granted space in the Journal by our Editor to paraphrase a letter received from Lena at the end of November.

In it Lena writes that they are living on a farm, the house of which is situated on a hillside — "like a Swiss house of the South"! The house is "very modern, we have three bedrooms, two bathrooms, store rooms, kitchen, and sitting room". She adds "We have a wood-burning stove which is marvellous for cooking, and keeps us beautifully warm", also "a butane gas-cooker in the kitchen, so we are well-provided for".

As they live in the country, she says they are obliged to do their shopping in Ostia Parmense, or Borgotoro or the city of Parma. She adds "we are quite happy to be back here in our homeland and for the moment we are not working for this year, but if we decided to stay here in Italy for good we might start a café or restaurant but we are not sure yet what is in store for us".

In spite of this, Lena and 'Andy' are very busy for she is harvesting tomatoes, bottling and freezing figs, mushrooms and vegetables. 'Andy' goes out early in the mornings shooting hares, geese and wild boar. Lena remarks, "This is the last week for shooting until next September. 'Andy' is not too happy about it but he might go just the same if no one is watching!"

Lena wishes to thank all those who subscribed to give her the "wonderful book" sent by Richard Ward. She writes "Will you wonder that we miss England? Especially Kew, the nice friends and all our customers, but one must look after the future" . . . "I haven't heard from

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by E. W. MacDonald ('Mac')

Hundreds of Kewites will remember Lena and 'Andy' Ferrari of the Penguin Café, and Lena's Restaurant, with affection and gastronomic satisfaction! As one who has had the pleasure of knowing this worthy couple for nearly twenty years, the writer has been granted space in the Journal by our Editor to paraphrase a letter received from Lena at the end of November.

In it Lena writes that they are living on a farm, the house of which is situated on a hillside — "like a Swiss house of the South"! The house is "very modern, we have three bedrooms, two bathrooms, store rooms, kitchen, and sitting room". She adds "We have a wood-burning stove which is marvellous for cooking, and keeps us beautifully warm", also "a butane gas-cooker in the kitchen, so we are well-provided for".

As they live in the country, she says they are obliged to do their shopping in Ostia Parmense, or Borgotoro or the city of Parma. She adds "we are quite happy to be back here in our homeland and for the moment we are not working for this year, but if we decided to stay here in Italy for good we might start a café or restaurant but we are not sure yet what is in store for us".

In spite of this, Lena and 'Andy' are very busy for she is harvesting tomatoes, bottling and freezing figs, mushrooms and vegetables. 'Andy' goes out early in the mornings shooting hares, geese and wild boar. Lena remarks, "This is the last week for shooting until next September. 'Andy' is not too happy about it but he might go just the same if no one is watching!"

Lena wishes to thank all those who subscribed to give her the "wonderful book" sent by Richard Ward. She writes "Will you wonder that we miss England? Especially Kew, the nice friends and all our customers, but one must look after the future" . . . "I haven't heard from

the students", and would like to hear from them and any of the staff in the Gardens.

She concludes by sending her love and best wishes for the New Year to all her friends at Kew.

Kewites may like to know her address, which is: Mr. and Mrs. A. Ferrari, 135 Tiedoli Borgotaro, Provincia Parma, Italy.

## **BOTANIC GARDEN FRANCISCO JAVIER CLAVIJERO, XALAPA, VERA CRUZ, MEXICO**

by Graham Pattison

The Botanic Garden is part of the above Institution (I.N.I.R.E.B.) and was opened officially on the 16th February 1977. It is the first Botanic Garden in the state of Vera Cruz, the preliminary work was carried out by Andrew Vovides who some of you may remember from the 1978 Conservation Conference at Kew.

I have taken over from where Andrew left off in the summer of 1981; he is now working on the cycads of Mexico and on the endangered plants of Mexico in conjunction with the conservation unit at Kew.

The Garden is situated in the centre of the state of Vera Cruz about 333 kms east of Mexico City and 80 kms from the coast and about 2 kms from the centre of Xalapa, map ref. 19° 30' lat. N. and 96° 55' long. East at an altitude of 1,300 m. The climate is moist temperate with an average temperature of 18°C. The coldest month being January with temperatures down to 8-10°C with May the hottest 20-22°C. Annual rainfall is 1,450 mm with the wettest time June to October, December to February is mostly in the form of mist and drizzle. There are on average about three frosts a year but only for an hour or two in the morning. Perhaps as has been said we will all get colder temperatures in the next year due to the volcano that went up here in Mexico in April 1982.

The garden is in total some eight hectares and was originally used for the cultivation of Citrus and Coffee, Xalapa being one of the major coffee producing areas of Mexico. The hillside above the flat area of the Garden is the only area of natural deciduous forest and is about two hectares in extent.

The main tree species are **Liquidambar macrophylla**, **Quercus germana** and **xalapensis** and **Meliosma alba**. Other species to be found in the area include **Clethra mexicana**, **Carpinus caroliniana**, **Juglans pyriformis**, **Magnolia dealbata**, **schiedeana**, **Ostria virginiana**, **Platanus mexicana**, **Ulmus mexicana**, **Quercus acutifolia**, **hartwegii** **leyophylla**, **perseaefolia**. The shrub and herbaceous layer is of **Calliandra houstoniana**, **Cestrum nocturnum**, **Eugenia jambos**, **Cornus florida**, **Cordia spinescens**, **Gleichenia furcata**, **Lippia myriocephala**, **Malvaviscus arboreus**, **Oreopanax xalapensis**, **Randia xalapensis**, **Rhamnus capraefolia**, **Saurauia belizensis**, **Senecio grandifolius** and many tree ferns.

The Arboretum is 3.75 hectares in extent and is divided into three sections:

- a) Arboretum of 2.5 hectares which is used for the growing of native and introduced trees and shrubs, and a selection of economic trees. One plant that we hope is going to be of interest in the area is Macadamia nut which is being tried in the area by several of the people as a possible alternative to Coffee, as each year the price of this is going down and down. In the garden we have planted six varieties to see how they grow.
- b) Pinetum which is an area of just under a hectare and contains the collection of conifers, **Araucaria bidwilli** although native to Australia is one of the main trees in the squares in Xalapa. Other species in the garden include **Abies religiosa**, various species of **Pines** including **P. ayacahuite**, **montezume**, **patula**, **pinea**, **Podocarpus matudai** native to Mexico and Guatemala and **Taxodium mucronatum**.
- c) Palmetum is very small at .25 hectare. Many of the species are introduced but we have **Sabal mexicana** and several species of **Chamaedorea** for example, **tepejilote**, **klotzschiana**, **costaricana** and **graminaefolia**.

In the front part of the garden is a large area of grass where children can play or where local cultural dance or musical groups can play. Around this area is the main collection of flowering plants for the visitors. To one side of this is the Aquatic Garden with a selection of many of the aquatic plants a lot of which are pantropical including the smallest flowering plant in the world, **Wolffia arrhiza**. All we need now is **Victoria amazonica** with leaves two meters in diameter compared with the one millimeter for **Wolffia**!

Possibly the most interesting areas for the visitors is the area of vegetables and medicinal plants. In this area we have more than 150 types of plants both tropical and temperate.

When it comes to glasshouses we have a mixture of glass and shade houses, in total about 250 m sq. which have collections of **Cacti**, **Cycads**, **Orchids**, **Ferns** and many other plants mostly of which are native to the State of Vera Cruz or Mexico. Two days before Xmas we had our first frost which caused damage to **Musa** sp. **Ensete ventricosa** **Heliconia** sp., **Pistia stratiotes**, **Martynia annua**, **Iresine herbstii**, **Solanum quitoense**, **Cordyline** sp. and **Coleus**.

Well this is just a little information about the garden. If anybody is out this way do not hesitate to call in, and preferably let me know in advance. My address is: G. A. Pattison, APDO Postal 63, Xalapa, Vera Cruz, Mexico.

## ALPINE PLANT COLLECTING IN THE DOLOMITE AND MARITIME ALPS

by Colin Porter

Colin Porter, second year student, went on a trip to the Dolomite and Maritime Alps for four weeks from mid-August to September collecting

alpine plants, with the help of a Grant from the Alpine Garden Society to whom he is to submit a detailed report for their Journal.

People often ask "how do you manage to retain your helath and stamina on these long mountain trips". I have written up the following simple guide which ensures physical and mental equilibrium in these exacting circumstances.

**6.30 a.m.** Crawl out of sleeping bag, remove jeans and shirt, give them a good shake and replace immediately before it gets too chilly. Stroll to nearest water source to perform rudimentary ablutions, then return to tents making loud noises indicating one is ready for the unlocking of the car boot and breakfast.

**Important.** It is a fallacy that alpine water is clean and pure. This only applies to the highest alps, therefore the necessity to boil water is of paramount importance — this is also a useful ploy for ensuring an early cup of tea — there are some standards which must be retained.

**Breakfast.** Muesli, bread and apricot jam. Anything left over from supper will be eaten by the expeditions gannet. Every trip has one, and he or she will be the one who can always be relied upon to make sure there is no waste.

**Care of collected material.** As the weeks pass the number of perspiring plastic bags increases, as does their collective weight. Various light isometrics can be performed with these especially if one is seated with them in the back of the car as you cling to the hairy alpine passes. The Col de Restefond is the equivalent to a good workout with weights in the gym. Don't fret about lack of stomach muscle exercises, but the time you're half way up you don't have one.

**General exercise.** Of course there is no shortage of this in the alps. For an interesting variation on a theme try 3,000 feet of scree walking — upwards — at Mt. Cristallo. The route is marked by an overhead cable car so one can't get lost. However, the risk of injury is high and the terrors of mobile boulders are great. This is only to be recommended to the light-hearted. If you come from Yorkshire any exertions are adequately compensated for by a plate of chips and a cup of tea from the refuge at the top. A flat cap will add a touch of Northern splendour to the scene.

**Fruit.** Coming from Yorkshire where fruit usually only comes in tins and on Sundays, the variety of fresh stuff is splendid. Peach, nectarine, fig, grape, melon is easily obtained everywhere. For those unused to large quantities of fresh organic enzymes modesty is advised.

**Drink.** Again modesty should prevail. Try the different boozes by all means, but don't expect to easily locate *Saxifraga florulenta* on grade five faces afterwards.

**Food.** Sometimes you're lucky and you eat the right things.

**General.** The higher the altitude the less you will want to eat. The gannet, however, seems to have an organ which compensates for the effects of altitude, so no food will need to be thrown away to the marmosets, chamois or buzzards.



**Orientation exercises.** This is the necessary prologue to most searches for plants in the alps. Getting lost seems integral to the discovery of **Ranunculus glacialis** or **Campanula morettiana**. If it is cloudy a compass is useful. I always allow a little extra time for this exercise to be able to roam ones eye and mind across frontiers, up 3,000 feet pinnacles, along vast ridges, settle on top of the clouds. It's pretty much like your first H.V.S. on Stanage. It's alright in't it.

## WORKING IN CHILE

by E. A. Leche

(Received in Mid 1982 — Ed.)

After a long silence, I thought I would write and let you know how I am getting on in my new job. I hope this letter finds you, your families and Kew well.

I have been in Chile now for over two and a half years. I worked for the first year on Isla Illeifa, an island in Lago Ranco in the south where I overlapped with Robert Hayward for six months until he left for Venezuela. It was a very interesting job but lonely and I couldn't stand the solitude any longer so I left for Santiago. It was very difficult to get another job because the economic crisis was on its way with much unemployment. However I managed to get a temporary job in a garden nursery while I looked for something better but without much luck.

In April 1981 I went to the Argentine which is a lovely country, although I managed to see only a very limited part, including Bariloche San Carlos in the south and with a vegetation similar to the one in this area. Bosque de Arrayanes (*Myrceugenella apiculata*) was the wood where Walt Disney got his inspiration for the scenery of the film 'Bambi'. I visited the Botanic Garden in Buenos Aires. They showed me around and the Horticulture School who train young apprentices for the Municipalidades. I also went to the Forestry Department in search of a job but it was difficult and lucky as it turned out in the circumstances as I most probably would have had to leave the country with the Anglo-Argentinian problem. In Bariloche on Victoria Island, the Argentinians have the only training centre for Park Wardens in the whole of South America.

I returned to Santiago and set myself a time limit to find a good job. I was on the point of leaving within 48 hours when I suddenly received a telegram from an unknown person in a building firm offering to interview me for a job. The man turned out to be the owner of one of Chile's (then) largest construction companies who started life about 30 years ago making roads. They were developing a tourist centre in the south, north of Lago Ranco, where they had recently bought La Peninsula de Pucón (130 hectares), a famous holiday resort in Lago Villarrica. I cancelled my flight and they sent me down here to make a report on the complex which included an hotel (built in the 1930's by

the Chilean railways who owned many hotels at that time) with an abandoned, but beautiful, nine hole golf course.

They were developing a residential area including a Zona Marina (commercial centre with shops, etc.) to support their main project of 58 houses and seven apartment blocks. One of the conditions stipulated by the Chilean government when they bought the property (U.S. \$4½ million) was to maintain the area as natural as possible and to conserve the fauna (practically non-existent) and flora. All the local people were up in arms against the company because they considered the Peninsula to be their heritage and quite naturally disliked the idea of it falling into private hands, although it brought work to many people in Pucón who would normally only have had employment for two months during the summer season.

So it was, as I understood, fundamentally important for the firm to save face and uplift their public image by emphasising 'Conservation' and which subsequently appeared in all the propaganda literature.

I handed the report into the company but heard nothing for several days so re-booked my flight home. The next day I was asked to attend an interview with a Director of the Board, the Manager of the project (Proyecto La Peninsula de Pucón, which has since changed its name to Complejo Turístico Pucón) and the architect (Chilean) who had worked for several years in Spain. It was a long and tricky interview because no one spoke English and it was difficult trying to put across basic conservation ideas to a group of people thinking primarily in the maximum commercial exploitation of their recently acquired investment and to whom possibly conservation meant very little but at the same time maintain a good company image.

There appeared to be differences of opinion between the interviewing committee. Also I felt I had over-plugged the necessity of planting mainly with Chilean species (foundation planting) to maintain the natural character of the place and to avoid at all cost pretty suburban-type gardens around the houses. I left thinking I hadn't got the job but the next day they rang up to say I could start right away as time was against us. Afterwards they told me that some people had been doubtful about giving the job to a woman and contrary to what I had thought, they changed their mind because I had stuck to my guns on conservation. A monthly salary of \$55.000 pesos, furnished accommodation with utilities and a van, and they have just renewed my contract for another year although I had to accept a 15% cut in salary because they went broke. In June they had to hand over all their real estate properties to the banks in Santiago to pay off debts, as indeed have many large companies in Chile. Some people had a 40% cut in salary and in Santiago there is a 30% unemployment rate at all levels. They managed to stay with the hotel and the Peninsula and we continue luckily up to now in our jobs.

The houses are sold on a 90-year lease but the apartments are affiliated to Resort Condominiums International in the U.S.A., sold on a

'Time-Sharing' basis also for 90-years. The price varies depending on the season and whilst little has been sold outside of summer due to the recession, it has great potential. Solidly built and excellent interior decoration.

We started from scratch. There was one gardener, 25 years with the hotel and who in the summer worked on the beach and motor launch, etc. and there remained one other person to do everything.

The company gave me a free hand and I was able to buy new equipment and contract the number of people needed to complete the restoration of the Golf Course (priority) and to have at least cleared and cultivated the residential area between July and December ready for the inauguration of the project on 10th January 1982. The first ten days I remained in Santiago to buy all the machinery and tools which included a Ford 4600 tractor, golf maintenance equipment like Toro rotary mowers and a Greensmaster cylinder motor mower, gang mowers (seven), mowers (seven), hand tools and pesticides, etc. Very expensive as you may imagine because the majority is imported from the States and Brazil. Chain saws Husqvarna was the only machine with a safety brake.

Fortunately for me, the company had contracted a golf professional who represented Chile in the '60's, and he was a terrific help when there was so much other work to be done. The fairways were covered in brambles and *mosqueta* (wild rose) and the grass was about two feet high. The greens were full of moss and *Dichondra* and the bunkers were overgrown with weeds. We discovered a green which was completely overgrown with Roble (*Nothofagus obliqua*). Don Manuel had four people and I had six, including a Park Warden who had worked for C.O.N.A.F (Forestry Commission). Two of these had lived all their lives on the Peninsula and so were indispensable as far as I was concerned as they knew everything there was to know about the history, etc. The rest, except for the hotel gardener, had been contracted by the construction company who had already started to build the previous January and were transferred to the Peninsula to start planting on their own, before I arrived. As it turned out the majority of these people had to be dismissed because they were useless and that is why they had been transferred to 'los jardines'.

So I interviewed more people in mid-July and put ten people on the golf course — the grass had to be cut with hand scythes; I had ten in the gardens. We removed 20 lorry loads of rubbish out of the hotel gardens alone. The orchard hadn't been pruned for over 20 years.

Once I had the key people like a tractor driver, Guardabosque, chainsaw operator and an operador de máquinas with basic knowledge in machinery, we started on the construction site where at the time were working 500 men. This was the most difficult part for me because I was the only woman and it is not normal here to have females working on building sites. The new staff had to be constantly supervised and the

tools checked in and out to avoid theft. The first job was to thin out the wood adjoining the houses, weeding and cultivating the ground as the builders moved out of an area. This is a very rocky area which was not made easier by dynamiting the ground rock for the foundations. As we neared the deadline, I contracted more people but I tried to avoid it because it was impossible to control so many. In October the labour force rose to 30 and in December to 50 but this included three lorries with four labourers on each truck and ten on the golf course. At the finish we were working till nine to ten each evening and many sleepless nights wondering whether we would finish for the opening. My main preoccupation was lack of water which was installed at the end — we had to water with oil drums and at one time everything was drying out so quickly that I called the fire brigade to give a hand. At the end of December we had an 'asado' for all the gardens staff with two roasted sheep. From January until mid-March we kept a temporary staff of 30 cleaning beaches and dead-wooding and since then we returned to a minimum of 11 including Don Manuel (Golf) and myself in the Sección Jardine y Parque. The total is 25, so 50% is in our section, and we are very lucky because the company is undergoing very hard times. The salaries always arrive but sometimes we don't have enough money to buy petrol or diesel! A far-cry from the \$5 million pesos spent on the gardens during 1981-82.

In my free time I help the Municipalidad teaching planting, pruning and how to collect plants. The Alcalde (Mayor) is a young Captain in the police force who is very keen on conservation and has planted Pucón with native trees like **Eucryphia** in the plaza, street trees include **Gevuina avellana** and **Embothrium coccineum**; just as well as the **Cordillera** has practically been entirely logged. They have just installed the sewage system so every street tree was uprooted and we marked where the new trees had to go and the species. It is very rewarding (and unusual for Chile) to be in a place where people really take a genuine interest in plants.

Another job for the Municipality is to raise the standard of living and the government have built hospitals and homes for the under privileged and low income groups. Next week I am going to plant the garden of the Hogar de Menores in Villarrica (children's home for 98). Managed to get some nurseries to give a few plants here and there as they have no money to buy.

There is no lack of work, only money!

After the national holiday, I shall probably take a few days leave to visit the north — they say it has rained more than usual and so the desert will be flowering soon.

The planting season is coming to an end and when we resume our normal maintenance activities, I shall probably be able to get out botanising more. I've done very little since I started this job although I've collected a few alpine on the Volcano including a **rosulate viola** growing on the terrace.

If anyone is coming out from Kew, please tell them to come and visit and I would be pleased to show them around here and the area.

## KEW IN THE 1930's The Stores

by C. R. Metcalfe

At the time about which I am writing the stores were controlled by a well known character referred to by all Kewites of that period as 'Ruck'. Now Ruck was really a kindly man, but either by nature, or perhaps because of official instructions, he was parsimonious in the allocation of his wares to those who, in the course of their duties, had occasion to prostrate themselves when making requests before his throne in the Melon Yard. This led to encounters between Ruck and his colleagues. Legends, fables and sometimes true stories about his activities spread rapidly along the branches of the Kew grape vine, which in those days was perhaps even more physiologically active than it is to-day because it had little competition from telephones of which but few then existed. To illustrate the point I am making, if a badly leaking watering-can was taken to Ruck for replacement he would substitute a patched up watering-can that did not actually leak at the moment but might reasonably be expected to do so within a short time. The chances of extracting a new watering can from his clutches were very small indeed.

Naturally the demands on the stores from the Jodrell Laboratory constituted only a very small proportion of those that claimed Ruck's attention. Nevertheless it was one of the duties of my colleague Mingay to repair to the stores once a week to obtain such consumable items as Brasso. This was used to polish the handle of the front door of the laboratory, and also, from time to time, to add fresh lustre to the brass portions of sundry 'scientific instruments' that were locked into a glass fronted cupboard in the Keeper's room, but were never actually used because they were completely out of date. More durable goods obtained from the stores included such items as a coal scuttle, a screwdriver, or even a packing needle. A packing needle had in fact been issued from the stores to the laboratory some years before I came to Kew. I never discovered why this was done, and I cannot recall any occasion on which it was actually used. Because the needle came into the category of 'durable goods' it had been entered on the stock ledger which contained a list of items that had to be inspected once a year to ensure that they had not been purloined for any unofficial purpose. On these occasions the packing needle assumed the characteristics of a thorn in the flesh for it could never be found when inspection day came round. My heart sank on hearing Mingay's familiar words "It's gone again boss". What followed resembled a gigantic and prolonged game of hunt the thimble that continued for some days, but in the end the

needle was always found, generally in some unexpected nook or cranny.

I will now give another example to illustrate Ruck's attitude to the issue of 'consumable goods'. To understand what follows I must explain that in those less egalitarian days, surprising as it may seem, the quality of the soap that was issued from the stores to wash our hands was something of a status symbol. For so it indeed was in the 1930's when yellow bar soap, sliced into cakes and thoroughly desiccated before use, was issued to some departments, and vastly superior cakes of Brown Windsor soap were issued to others. I never knew to exactly which departments each type of soap was assigned, but I soon became acutely aware that Brown Windsor was issued to the Herbarium and yellow bar soap to the Jodrell. So one day when Mingay was about to make his weekly trip to the stores I told him to put the suggestion to Ruck that the Herbarium and Jodrell should be placed on the same social footing at least so far as the allocation of soap was concerned. About half an hour later Mingay returned in an explosive and blasphemous mood to report that Ruck would not agree to the change. Ruck was reported to have said 'It never has been supplied to the laboratory and it is not going to be now'. This made it clearly evident that here was a matter that called for my personal intervention. So I returned with Mingay to Ruck's emporium to present my case, only to find that Ruck was more determined than ever that no cake of Brown Windsor soap would ever be allowed into the Jodrell Laboratory.

As, after further heated exchanges, the matter was still not resolved, Mingay and I repaired to the Curator's Office to put the problem to Mr. Winn, who was then the senior of the two clerical officers who were installed in Descanso House. We decided on this course of action because Mr. Winn was responsible for ordering the goods in the stores. Mr. Winn listened courteously to the arguments on both sides, and, while this was going on, I could see a merry twinkle come into his eye. After saying only a few words he took a piece of paper and wrote: 'Storekeeper. In future please supply Brown Windsor soap to the Jodrell Laboratory as and when required'. So Mingay and I returned to the Jodrell in triumph, with our first allocation of Brown Windsor soap.

After Ruck retired, as might have been expected, a vast array of surprising finds were discovered in his erstwhile haunts. Amongst them was a very large collection of watering-can roses that had never been used. I was lucky enough to obtain one of these as a memento, and, even now, it is still being used in my own garden.

## NEWS OF KEWITES AT HOME AND ABROAD IN 1982

Compiled by **MARTIN J. S. SANDS**

Congratulations to **Susyn Andrews** (Herbarium) on her promotion to Scientific Officer dating from 1st January, 1982. Later, financed by a grant from the Holly Society of America and the International Dendrological Society, Susyn left on 26th April to begin a month studying *Ilex* populations in Madeira, the Canary Islands and the Azores.

Constable **George Appleby** retired on 11th January, 1982 after a lifetime of dedicated service to Kew. He began work as a Pony boy in 1931 at the age of 14 earning 18 shillings a week and, with the exception of five years service in the Royal Artillery, he worked with the horses or in the Constabulary until his retirement. By 1934 George had been promoted to Junior Carter and to full Carter in 1938 with a weekly wage of about £2.12.0. At first there were seven (later five) horses, all Suffolk Punches, at Kew chiefly used for mowing the lawns. There were two paddocks, one near Lion Gate and the other by the Herbarium, and the hay was 'home-grown' from the grass under the Arboretum collections. In his early days at Kew, George recalled witnessing the 'beating of the bounds' following the parish boundary stones through the Gardens from near the Marianne North Gallery, across to the Lake and Mount Pleasance and then out to the tow-path. He served under six of Kew's ten Directors and after the war he continued working with the horses until he transferred to the Constabulary on 7th April, 1951. In September, 1980 he was one of the first five people to be awarded the Kew Medal (see K.G.J., 9, 883). We wish him a long and happy retirement.

**Eric Armstrong** (1947), who is a life member of the Guild, retired from his post as Head of the Horticultural Department of Kesteven Agricultural College, near Grantham, in 1979 and has since been engaged as a Horticultural Consultant and concerned with the Lincolnshire branch of the National Farmers' Union as County Horticultural Chairman. He also serves on several committees.

**Stephen Ashworth** (1980), writing in 1982, indicated that, after leaving England and obtaining his Master of Science degree from Madison University, Wisconsin, he has crossed America to Oregon where he has joined the staff of J. Frank Smidt & Sons nursery at Boring which specialises in growing deciduous trees on the 1,700 acre holding. In his spare time Stephen has seen as much of the surrounding area as possible. His most memorable visit was to Mt. St. Helens to see the "semi-active" volcano, which is a mile in diameter and has a 1,900 ft. deep crater, the centre of which billows clouds of steam and sulphurous fumes.

**Simon Beardmore** (1978), formerly living in Cheshire, started a Garden Maintenance and Landscaping business in 1982 in partnership with John Swithenbank (q.v.).

The Director, **Professor Arthur Bell**, chaired one of the sessions when he attended the Tropical Rain Forest Symposium at Leeds University in April, 1982. In July he visited the Missouri Botanic Garden on the occasion of the dedication of the Ridgeway Centre and gave an Address. Later, in September, he chaired a Ciba Foundation Symposium in London on "Better Crops for Food" giving the introductory and concluding talks.

Congratulations to **Thalia Bence** (Herbarium) on the award of one of the 1982 Kew medals presented to her by Mrs. Peggy Fenner M.P., on 10th September on the occasion of the Students' Prizegiving, 'for her devoted and conscientious work on the Index Kewensis'.

**Ian Beyer**, Deputy Curator, together with two colleagues, Jill Cowley (Herbarium) and Charles Erskine (Living Collections), left on 18th September for an expedition to South Korea until 24th October, a period during which they collected living material including seed for growing in the Gardens. Over 300 numbers were collected and the areas visited included the sub-tropical island of Cheju in the south, and the island of Ullung to the North East which is situated between the mainland of Korea and Japan, as well as a number of national parks.

**Robert Binnington** (1924), who is a life member of the Guild, lives in Southampton and, although now elderly, remembers his student days with continuing pleasure.

**Irene Blewett** retired on 30th September, 1982 after 41 years on the Herbarium staff. We wish her a long and happy retirement during which she has already returned to Kew to work, on a voluntary basis, on the preparation of an "atlas" of handwriting characteristics of botanists and other former workers in the Herbarium. During her long service in the Herbarium, she served under five keepers and numerous administrative changes.

Congratulations to **Professor J. P. M. Brennan**, a former President and a Trustee of the Guild, who retired from his post as Director in 1981, on being awarded the South African Association of Botanists medal for services to Botany at the A.E.T.F.A.T. Congress in Pretoria in January, 1982.

Congratulations to **Diane Bridson** (Herbarium) on her promotion to Senior Scientific Officer at the beginning of 1982.

**Steve Bristow** (1979) began his final year last autumn at the University College of North Wales, Bangor, where he hopes to gain his B.Sc. He is involved in two research projects; one on the rooting potential of cuttings from the tropical leguminous tree *Leucaena leucophylla* and the other a study of genetic variation in pines. Steve, with his wife Andrea and son Daniel, live at present in an old cottage at Dwyran, Anglesey.

Following the birth of her daughter in the previous August, **Gail Bromley** returned to resume her duties in the Herbarium on 15th February, 1982.



Writing in May, **Peter Brooks** (1963) indicated that he is now living in Teston near Maidstone in Kent. Having left Stevenage Development Corporation, where he was employed as a Landscape Architect, he joined the Cranley Borough Council Park and Recreation Department where he worked for three years prior to joining Tenbridge and Malling District Council's Recreation and Amenities Department. He has recently been designing the new Tenbridge sportsfields development on a 20 ha. site on the outskirts of the town. Earlier, in 1977, he completed a four-year part-time course in Landscape Architecture at Thames Polytechnic and gained the Diploma.

**Dr. Dick Brummitt** (Herbarium) left on 8th February, 1982 for Malawi where he joined Roger Polhill (q.v.) for five weeks field work. They also visited Zimbabwe briefly. In Malawi they were joined by Stephen Droop from the University of Reading and for a short while by Nigel Hepper (q.v.) on his way back to Kew from the A.E.T.F.A.T. meeting in Pretoria.

With regret we record the retirement of **Leonard Bryenton** from his post as Administrator at Wakehurst Place, on 9th March, 1982.

**Mr. B. L. Burtt** (1951) formerly of Kew Herbarium and later at Edinburgh, as in previous years, again visited the Herbarium for a few weeks in June as well as a short period in early September to study various collections.

With pleasure, we record the promotion of **Marie Bywater** (Herbarium) to Scientific Officer dating from 1st January, 1982.

On 14th January, 1982, **Dr. Derek Clayton**, an Assistant Keeper in the Herbarium and a specialist on grasses, left for the Meetings of A.E.T.F.A.T. (African Botany), taking place in Pretoria the following week.

**Trevor Cole** (1960), a Garden consultant in Ottawa, is trying to contact and unite Kewites in North America, initially by correspondence, but is giving further consideration to a suggestion put forward by Frank Mackaness (q.v.) to establish sponsorship of an exchange student.

**Jim Comber** (1955) from Tretes, East Java, arrived at Kew on 4th August to work in the Herbarium for a few weeks on Indonesian Orchids.

In March, 1982, **Mark Coode** (Herbarium) spent a week visiting the herbaria in Paris and Leiden to study their collections of *Elaeocarpaceae*.

**Dr. Tom Cope**, who works in the Grass Section of the Herbarium, spent a week in April, 1982, at the Royal Botanic Gardens, Edinburgh working on his check-list of Arabian grasses.

Welcome to **Mr. W. G. R. Corkill** who took up his appointment to replace Mr. Stanley Brookes (q.v.) as Secretary to the Gardens and Principal heading the Administration Division on 20th December, 1982.

**Jill Cowley** of the Herbarium and a member of the Guild Committee, joined Ian Beyer (q.v.) and Charles Erskine of the Living Collections

Division for an expedition to South Korea from 18th September to 24th October. They were mainly looking for and collecting living material for growing in the Gardens.

**Dr. Phillip Cribb** (Herbarium), with other members of the Kew staff, left in January, 1982, to attend Meetings of A.E.T.F.A.T. in Pretoria, before spending sometime in Malawi.

**Dr. Michael Crisp** left Kew at the beginning of September after completing his term of office as Australian Botanical Liaison Officer. Before going back to the National Botanic Gardens, Canberra, he travelled to America, visited several herbaria in Europe and paid a brief return visit to Kew in November.

Welcome to **Barbara Croxall** who joined the staff of the Herbarium as a Higher Scientific Officer in the Fern Section on 4th January, 1982, and congratulations to her on the acceptance of her thesis "A taxonomic revision of the genus *Grammitis* (Grammitidaceae) in New Guinea" for the degree of Ph.D. in the University of Cambridge.

Congratulations to **Dr. David Cutler** (Jodrell Laboratory) on his individual merit promotion to Senior Principal Scientific Officer from 1st July. Earlier, in January with several other members of the Kew staff, he attended Meetings of A.E.T.F.A.T. in Pretoria, during which he gave a paper on *Aloe* taxonomy and afterwards went on a short collecting expedition in the Western Cape looking particularly for *Haworthias*.

In 1982, **Rosemary Davies** (Herbarium) was promoted to Scientific Officer to fill a vacant post in the Index Kewensis Unit, which she took up on 19th July.

Congratulations to **Jack Dixon** (Transport Supervisor, Services Division) on being awarded one of the five 1982 Kew Medals on 10th September, 'for long and helpful service cheerfully given to all Divisions'. It was presented by Mrs. Peggy Fenner, M.P., on the occasion of the Students' Prize Giving.

**Michael Dodge** (1964), who owns 'Whiteflower Farm' in Litchfield, Connecticut, presented a paper on 'Delphiniums' during a Longwood Gardens Perennial Flowers Conference on 11th March, 1982, which was also attended by two other Kewites, John Easley (q.v.) and Robert Hebb (q.v.).

Congratulations to **Dr. John Dransfield** (Herbarium) on his promotion to Principal Scientific Officer, dating from 1st January, 1982. From 29th March to 4th April he visited the Berlin Herbarium to examine type specimens of Palms, and from 14th to 19th April attended a symposium on "The Tropical Rain Forest, Ecology and Resource Management" at the University of Leeds. Later, he left on 1st June for a month's collaborative work on the Genera Palmarum project at the Bailey Hortorium, Cornell University, U.S.A. to where he returned to continue the work from 28th October to 2nd December.

Welcome to **Miss J. Durbin**, who joined the Plant Biochemistry Section of the Jodrell Laboratory as an Assistant Scientific Officer on 7th June, 1982.

**Geoff Dykes** (1975), having worked in Cardiff for some time, is now in Jeddah, Saudi Arabia where he is Head Gardener/Gardens Manager of an extensive hospital project for Grand Met Overseas Services Ltd., and is apparently their only horticulturist there having a unique role to play. He arrived in November and began straight away with existing work from the original contractor, a Spanish landscape firm. His staff of 24 are mostly Indian or Shrilankan and his work includes their training. The gardens he controls are immense, the internal hospital gardens covering 6,600 sq. m. and the outside area 12-14,000 sq. m. The accommodation area with its amenities is known as Medical City and is about 0.5 x 0.25 miles in extent, being well landscaped with a wide range of flowering subtropical shrubs and trees. The whole site is irrigated by recycled sewage water. He was on leave in January and visited Kew.

On 11th March, 1982, **John Elsley** (1964) of Wayside Gardens, Hodges, S. Carolina, presented a paper entitled 'A Palette of Perennials' at a Longwood Gardens Perennial Flowers Conference, which was also attended by two other Kewites, Michael Dodge (q.v.) and Robert Hebb (q.v.).

**Charles Erskine** (Assistant Curator, Arboretum South) joined Ian Beyer (q.v.) and Jill Cowley in September and October for an expedition to South Korea to collect living material including seed.

Welcome to **Mr. S. V. Evans** from King's College, who took up an appointment as a Scientific Officer in the Jodrell Laboratory on 4th January, 1982, joining the Biochemistry Section to work on biologically active nitrogenous substances from *Leguminosae*.

Congratulations to **Bill Everett** on being awarded a British Empire Medal in the New Years Honours List. For very many years Bill was a night watchman in the Herbarium but unfortunately, with deteriorating eyesight, he took extended sick leave through into 1982 and retired on 12th March.

On 28th September, **Dr. Keith Ferguson** (Herbarium) left for Paris and Montpellier for ten days to discuss with his French colleagues their co-operative palynological research and then from 4th to 19th November he visited the University of Oklahoma to collaborate with Professor J. Skvarla on their joint work on legume pollen.

Welcome to **Mr. Rex Filson** of the Royal Botanic Garden, Melbourne, who took over his duties as Australian Botanical Liaison Officer from Dr. Michael Crisp (q.v.) in early September, and has a particular interest in lichens.

Welcome to **Miss Laura Fitt**, who began work as an Assistant Scientific Officer in the Herbarium on 16th August, 1982.

During October, **Hans Fliegner** (Assistant Curator, temperate Section) visited Dacca in Bangladesh to advise on the development of the Botanic Garden there.

**Hugh Flower** (1976) wrote on 21st March, 1982 indicating that he was in his third year of training at St. John's Seminary, Womersley, where

in the previous November his Bishop had accepted him as a candidate for Priestly Ordination. Last year he proceeded to apply to become a 'Lector', an official reader of the Church. Hugh also sent a photograph of six specimens of *Magnolia grandiflora* in front of one of the buildings, each about 20 feet high, with their roots 10-12 feet away from the foundations, and interesting in being free-standing. They were reputedly sent by Pope Leo XIII from the Vatican Gardens in 1891 when the house was completed and a few years ago were carefully pruned under the guidance of George Brown.

**Mrs. Cynthia Frost**, who retired from the General Services Unit of the Herbarium in July the previous year, completed nearly three months part-time work in the same unit in February, 1982.

On 7th May, **Muriel Gazzard**, a member of the Guild, retired after 16 years as typist in the Library, where she typed entries for the Library catalogues, the 'current awareness' lists, the Library's index to the Herbarium News, and an index of Artists' names for the Illustrations Collection, which in August she continued on a part-time basis. We wish her a happy retirement.

We are pleased to record the award of one of the five 1982 Kew Medals to **Peter Gibbon** (Propagator, Science Support Unit) 'for his achievement in the maintenance of the research and quarantine collections and for his contribution to good staff relations'. The Medal was presented to him by Mrs. Peggy Fenner, M.P., at the Students' Prize Giving on 10th September.

At the end of July, 1982, **Dr. Hugh Glen** completed his two year term as South African Botanical Liaison Officer working in the Herbarium and was replaced by Mr. P. H. Linder (q.v.).

**Frank Goldsack** (1937), who is a life member of the Guild, recalled in a letter to the Curator in June, that before beginning his student course at Kew in 1935, he had worked at Wisley from 1930 to 1932 and then at Cambridge Botanic Garden until 1934. The Curator during his years at Kew (during which he also obtained the N.D.H.) — was Jock Coutts who "pressured him into accepting a teaching job which had been regularly filled by Kew men" and for 30 years he was County Advisor for Horticulture and Rural Studies to Dorset County Council. He has now retired and withdrawn from the county lecture panels, estimating that he had given some 2,500 talks on gardening.

**Simon Goodenough** (ex-student and Supervisor of the Temperate Nursery), left in early January, 1983 for a two month trip to St. Helena in order to set up propagating facilities for some of the endangered species on the island.

**Peter Green** (in 1982, Deputy Director and Keeper of the Herbarium) a former Vice President and currently President of the Guild, flew to Hawaii on 22nd May to attend a meeting of the Association of Systematics Collections (a U.S. organisation) and a Forum on systematic resources in the Pacific region. He also visited botanic gardens and the Bishop Museum, before returning to Kew on 4th June. Later,

on 7th July, he went to Cardiff with Gren Lucas (q.v.) to attend meetings arranged by the National Museum of Wales and the Biological Curators' Group, entitled "A National Plan for Systematic Collections?" From 23rd to 25th November he visited the Universities of Copenhagen and Lune for an editorial meeting in connection with a project to publish a reference work on the "Families and Genera of Vascular Plants". He

retired on 31st December. Details of his career and our best wishes are recorded elsewhere in this Journal.

Congratulations to **Miss Sue Gregory**, formerly a Kew Student and representative of the students on the Guild Committee, on her appointment to the post of Supervisor in the Palm House from 13th September, 1982.

In January, 1982, **Dr. Chris Grey-Wilson** (Herbarium) completed a holiday with his wife in East Africa before taking over the editorship of "Curtis's Botanical Magazine" from Mr. David Hunt (q.v.).

A greetings telegram, on behalf of all his colleagues in the Herbarium, was sent to **Evan Guest** on the occasion of his 80th Birthday on 24th January, 1982. Mr. Guest has for many years, worked on the Flora of Iraq and is a member of the Guild.

**Dr. Raymond Harley** (Herbarium) left by train on 17th January, to visit herbaria in Vienna and Geneva, where he studied material for a taxonomic revision of the genus *Hyptis* (Labiatae). From 11th October, for four days, he visited the Botanical Institute, Aarhus, Denmark, at the invitation of Aarhus University where he gave two lectures on the Bahian flora and Neotropical *Labiatae*.

**Robert Hebb** (1968) of the Cary Arboretum of the New York Botanical Garden, presented a paper on 'Low Maintenance Perennials' during a Longwood Gardens Perennial Flowers Conference on 12th March, 1982, which was also attended by two other Kewites, Michael Dodge (q.v.) and John Elsley (q.v.).

**Andrew Henderson** (1977) gained a B.Sc. in botany from London University in 1982 and moved to New York to begin a Ph.D. at the New York Botanic Garden and the City University.

At the end of August, 1982, **Ruth Henderson** (formerly Supervisor, Palm House) left the Gardens, where she had been living for the previous six years, to take up a teaching post as lecturer in horticulture at the Star Centre for Disabled Youth in Manwood, Gloucestershire. On September 10th, the occasion of the Students' Prize Giving, she was presented with one of the five 1982 Kew Medals by Mrs. Peggy Fenner, M.P., 'for an outstanding range of exceptional services'.

In January **Nigel Hepper**, an Assistant Keeper in the Herbarium and formerly Hon. Secretary of the Guild, left to attend, with other members of the staff, Meetings of A.E.T.F.A.T. in Pretoria. On his way back to Kew he joined Roger Polhill (q.v.) and Dick Brummit (q.v.) for ten days field-work in Malawi. Later, from 21st to 24th June, he was in Marseille to take part in the examination of a doctoral thesis relating to the

present and past vegetation of the Lake Turkana/Mt. Kulal region of Kenya and to contribute to a symposium. At the beginning of August he attended the second Conference on the Taxonomy and Biology of the *Solanaceae* at Missouri Botanical Garden, and afterwards spent a week working in the Herbarium there. On 1st November he left for a six-week visit, sponsored by the British Council, to the University of Ghana, where he gave a course on taxonomy, gave advice on the Herbarium and collected in the forest zone with Mr. A. A. Enti.

**Professor J. Heslop-Harrison**, who was Director of Kew for over five years until his resignation in 1976 and is now at the Welsh Plant Breeding Station, Aberystwyth, visited the Herbarium and Library with his wife once or twice in September after attending a Chromosome Conference at Kew.

In October, **Professor R. E. Holttum** (Herbarium) visited the herbarium in Leiden for a week in connection with his fern research work.

**David Hunt** (Herbarium) completed his term of office as Editor of "Curtis's Botanical Magazine" in January, 1982, his place being taken by Dr. Chris Grey-Wilson (q.v.). On 18th October he attended the Executive Board Meeting of the International Organisation for Succulent Plant Studies at the University of Heidelberg and on his return journey visited the Brussels Herbarium.

**Susan Hunt** (1977) is now living in Sydney, Australia, and works as a propagator in a nursery that sells only Australian native plants. In a letter in January, 1982, she sent greetings to old friends at Kew and referred to the time (1979-1980) when she was supervising five other workers in propagating and maintaining a private botanical collection in Italy.

In early July, **Miss Margaret Johnson** (Jodrell Laboratory) travelled in Turkey with Dr. N. Özhatay of Istanbul University collecting bulbs.

Congratulations to **Professor Keith Jones** (Keeper of the Jodrell Laboratory and a past President of the Guild) on his appointment as Deputy Director from 1st January, 1983.

**Mrs. A. E. C. Joy** (1922, née Warner) writing in August, 1982, recalled that she was an improver gardener at Kew in 1921, when Kay Watson, the then Curator's daughter was working there also. She is a life member of the Guild, and still enjoys working in her own garden at Brasted, near Westerham in Kent.

Congratulations to **George Joy** (1946), who in 1982, was the first recipient of the George Brown Memorial Award, his name being inscribed on the Award Lectern which was on display for the first time at the Annual Dinner. He had served on several committees with George Brown (formerly an Assistant Curator and Editor of the Guild Journal), including the Guild Committee for nine years. After retiring from his post at Emmetts, Ide Hill near Sevenoaks, he and his wife, now in their 43rd year of marriage, moved in August to Burwash in East Sussex. George was responsible for replanting the Emmetts Estate which is

now owned by the National Trust and is a garden famed for its mature trees. George Joy was a student at Cambridge University Botanic Garden from 1936 to 1938 and then at Kew until 1940. During the war he served in Iceland with the Worcester Regiment, but then joined the Royal Artillery and after the Normandy invasion went right through to the Elbe. He was awarded the Commander in Chief's certificate for bravery and devotion in North West Europe. After the war he returned briefly to Kew before being appointed Foreman at the Sunningdale Nurseries from 1946 leaving in 1953 to manage a small nursery before moving to Emmetts in 1955. He is an active founder member of the Arboricultural Association and is continuing with a full programme of lecturing in horticulture in several Adult centres.

**Jim Keesing** (Living Collections Division) left late in December to begin a three weeks visit to India, arranged by the British Council. The purpose of the visit was to help draw up a master plan for the development of a botanic garden and open air environmental laboratory at the University of Mysore. He hoped also to visit the botanic garden at Bangalore and the Tropical Botanical Research Institute at Trivandrum.

Congratulations to **Anne Kenton** (Jodrell Laboratory) on her promotion to Higher Scientific Officer dating from 1st January, 1982.

In letters received in 1982, information about **Ernest Key**, who left Kew in 1905 was supplied by his daughter-in-law, Emily Constance. Before he joined the army, he was head gardener at a house called "Clayton Halt" at Hassocks, Sussex, and his daughter-in-law not only has pictures of the house and gardens taken about that time but also a poster advertising the sale, on May 3rd of garden equipment and plants and indicating that applications had to be sent to Ernest Key. A pewter mug with his name on it indicates that he was at Roehampton before moving to the Home for Disabled Ex-Soldiers in Putney and then to Queen Alexandra's Home for the Disabled at Hove, where he died in 1941 from wounds received in the 1914-18 war. Constance Key still has his Kew Certificate showing that he was employed as a Gardener in the Royal Botanic Gardens Kew from 19th June, 1903 to 15th January, 1905, working in the Decorative and Herbaceous Section and attending classes and lectures on Systematic, Economic and Geographical Botany and Physics and Chemistry. It was signed by W. Watson, Curator and W. T. Thiselton-Dyer, Director. During his time at Kew, Ernest gave a talk to his fellow students on the subject of Fruit Culture. The botanist John Hutchinson was a student at the same time and other contemporaries included George Pring who died in 1978 and W. J. Ing, a life member of the Guild, who lives in St. Petersburg, Florida.

Since retiring from Wisley, **Frank Knight** (1929), a past President and life member of the Guild, has been living in Ipswich. In a letter to the President he recalls lunching with Peter Green and Alfred Forham (1937) at the Arnold Arboretum in May, 1961.

**Dr. Frances Kupicha** (Bentham-Moxon Trust), who, for several years has worked on "Flora Zambesiaca" at the British Museum

Botanic Garden and Andrew Pierce at the Botanic Garden, Denver. In August, when he spent two weeks in Bermuda with Christine and Barry Phillips (1972), he also met David Wallace.

**Gwilym Lewis** (Herbarium) returned to Kew in March, 1982 after several months collecting in Brazil where he also attended the National Botanic Conference in January.

**Peter H. Linder** took over from Dr. Hugh Glen (q.v.) as South African Liaison Botanist working in the Herbarium at the end of July, 1982. Best wishes to him on the occasion of his marriage to Claire Smith in Richmond on 24th September, 1982.

**Mr. T. R. Noel Lothian** (1940), who is a life member of the Guild, wrote to the Editor in February 1982, enclosing an interesting outline of his distinguished career in horticulture which was published in "Your Garden" in December, 1980, when he retired after 33 years as Director of the Botanic Gardens, Adelaide. He has since established a small advisory and consulting service as well as chairing two Government Committees dealing with native vegetation preservation and serving as a University Council member. Before his retirement, under his direction, two new botanic gardens were developed, Wittunga at Blackwood and Mount Lofty in a high rainfall region where temperate climate plants are grown. Noel, who was born in Melbourne and later spent some time with the City Council there, chiefly at the Fitzroy Gardens, was trained at Burnley Horticultural College, Christchurch Botanic Gardens, New Zealand and Kew. Further study at the Munich Botanic Gardens was curtailed by the outbreak of World War II during which he was then in charge of a group of Army farms in New Guinea. After the war he was awarded the Cockayne Gold Medal when he gained the National Diploma of Horticulture (NZ) and was appointed Senior Lecturer in Horticulture in the University of New Zealand (Lincoln College). He is a Past President of the Royal Australian Institute of Parks and Recreation as well as Past Chairman of several societies and was, for 22 years, Editor of the "South Australian Naturalist". He has contributed regularly to horticultural journals and broadcasting and has published four books on general gardening and Australian native plants. He visited Britain, Europe and America in 1974 inspecting botanic gardens and horticultural establishments on behalf of the South Australian Government and in 1975 he spent three weeks with an Australian Cultural mission in China which he revisited in 1977. He was awarded the O.B.E. in 1961 and the Veitch Memorial Gold Medal of the Royal Horticultural Society in 1975, both in recognition of his contribution to horticulture.

**Gren Lucas**, Deputy Keeper of the Herbarium and a member of the Guild Committee, accompanied by Mrs. Anne Mayo, went to Gland, Switzerland from 13th to 18th March, 1982, for a Species Survival Commission meeting at I.U.C.N. Headquarters. From 14th to 19th April he attended the symposium "The Tropical Rain Forest, Ecology and Resource Management" at the University of Leeds, during which he chaired one of the sessions and gave one of the public lectures. In early



July he read a paper on the collections at Kew while attending meetings arranged by the National Museum of Wales and the Biological Curators' Group. Shortly afterwards he was in Reading to read another paper at the Systematics Association meetings "Current Topics in Plant Taxonomy". Later, from 30th September to 27th October, he took the Chair at meetings of the Species Survival Commission (I.U.C.N.) at Kuala Lumpur, attended the World National Parks Congress in Bali, Indonesia and visited Darwin, Australia in association with a party from Sydney University.

Congratulations to **Miss S. McGrath**, who transferred to a post of Scientific Officer in the T.E.M. Laboratory on promotion on 21st June, 1982, from her previous position as an Assistant Scientific Officer at Wakehurst Place.

In September, 1982, **Frank Mackaness** (1938) who lives in Oregon, wrote to the Editor indicating that, in supporting Trevor Cole (q.v.) in his efforts to link Guild members in North America, he had suggested that they might adopt a project such as sponsoring the travel for an exchange student.

**Alwyn Marsland** (1974) is now working for the Shropshire District Health Authority as Superintendent Gardener in charge of over 30 staff as well as others on job creation and community services schemes. The gardens with which he deals are situated at many properties including 24 hospitals.

In March, 1982, **Bruce Maslin** of the West Australian Herbarium, who was Australian Liaison Officer in the Kew Herbarium from 1977 to 1978, returned for a few days to work on the genus *Acacia*.

Sincere congratulations to **Brian Mathew** (Herbarium) on the award by the British Iris Society of their highest honour, the Foster Memorial Plaque, "awarded to those who contribute outstandingly to the advancement of the genus *Iris*".

In January, 1982, **Mrs. Anne Mayo**, formerly a member of the Arboretum staff, began work in the Herbarium as a part-time Personal Assistant to Mr. Lucas for his work on the Species Survival Commission of I.U.C.N., and in March she accompanied him (q.v.) for a meeting of the Commission held at the I.U.C.N. headquarters in Gland, Switzerland.

**Desmond Meikle** (Herbarium) left for Berlin on 28th February, 1982, to spend a week attending Editorial Committee meetings for the next edition of the International Code of Botanical Nomenclature.

**George Nicholson**, who formally retired as Supervisor of the Orchid Unit in October, 1980, returned to continue for a year as a specialist working with his successor, Chris Bailes (Guild Treasurer) on a special grant from Lady Sainsbury. George first became Foreman/Supervisor of the Orchid Unit in 1950, having joined the staff in 1947 following a year's horticultural training at Digby Stewart Training College. He had been with the Royal Engineers during the war. His 30 years of practical experience is greatly missed and following his second departure from

Kew at the very end of 1981, we again wish him a long and happy retirement.

**Patrick Nutt** (1953) with his wife Ann and their children, Fiona, Robbie and Andrew live in Pennsylvania where he is a lecturer and instructor for various training programmes at Longwood Gardens, Kennett Square. His present house and 2.5 acre estate, which he purchased in 1969, was previously owned by the late Dr. Aubrey Thomas, noted Pennsylvania State entomologist and plantsman. Patrick left Britain in 1953 to work for the late Louis Bromfield, author and conservationist, in Ohio and became Head Gardener in 1955. After Mr. Bromfield's death the next year he took charge of the newly created Tropical and Waterlily Department at Longwood, where he was fortunate in being able to work and study under the late George Pring, and in 1961 he was responsible for the hybridization and introduction of the Longwood hybrid *Victoria* (*V. cruziana* x *V. amazonica*). In 1973, Patrick was promoted to foreman in charge of the glasshouse collections and was also selected to represent Longwood on a horticultural and botanical expedition to Costa Rica. In addition to his lecturing work, he is Longwood's representative for the Pennsylvania Flower Growers and has written a number of articles on water gardening and tropical plants.

Best wishes to **Sarah Oldfield** (Conservation Unit) on her marriage on 8th December to Bruce Pearson, the wild life artist. A cut-glass decanter and glasses were presented to her on behalf of her friends and colleagues.

In the middle of 1982, **Dr. Simon Owens** (Jodrell Laboratory), formerly an Hon. Secretary of the Guild, attended a Symposium on Pollen Biology at Villa Fettrinelli, Gargnano on Lake Garda, an outpost of the University of Milan, where he gave a paper on his recent work on the generative cell wall in *Commelinaceae* pollen.

After several years working as an Assistant Scientific Officer in the Herbarium, **Jackie Panter** transferred at the end of February, 1982 to the Living Collections Division to take up a post in the Planning Unit, mainly working on educational projects.

From 15th March until 2nd April, 1982, **Dr. David Pegler** (herbarium) worked in the Laboratoire de Cryptogamie, Muséum National d'Histoire Naturelle, Paris, in connection with his studies on the genus *Lentinus*.

**Mr. Pemberton** attended the 21st Horticultural Conference, held in Hamburg in September, and also visited several Botanic and Horticultural establishments.

**Karen Perkins** (1978) worked at Longwood Gardens, Pennsylvania for two months from July, before moving to the University of Delaware to further her studies.

**David Philcox** (Herbarium) visited the Paris and Brussels herbaria for two weeks from 18th April, 1982.

**Mrs. Sylvia Phillips** who worked in the Grass Section of the Herbarium before she left Kew in 1972 and later lived in Germany for a

while, now lives in East Grinstead and from time to time has returned to the Herbarium. Her interest in grasses has continued and at the end of August, 1982, she began an account of the *Graminae* for the "Flora of Ethiopia" and subsequently has been working mainly at Wakehurst Place.

With great regret, we record the death of **Mrs. Lesley Pinner** (Herbarium) on 23rd January, 1982, after a long illness. For a long time she had worked in the Herbarium itself, but for many years before her death, she was responsible for preparing the Supplements to the "Index Kewensis", which will remain as a lasting memorial to her high standards and conscientious work. On 20th April, Peter Taylor (Herbarium) and Robert Pinner planted a *Metasequoia* (her favourite tree) near to her grave in Wotton Churchyard.

From 13th February, 1982, **Dr. Roger Polhill** (Herbarium) spent five weeks undertaking field-work in Malawi and briefly in Zimbabwe. He was joined by Dick Brummitt (q.v.) and in Malawi by Stephen Droop from the University of Reading, and for ten days by Nigel Hepper (q.v.). Later in the year, from 8th to 21st November, he visited the National Botanic Gardens at Meise, Belgium in connection with his work on *Loranthaceae*.

**Gerald V. Pope**, formerly of the Zimbabwe National Herbarium, Harare (Salisbury), took up an appointment on 15th November to work in the Herbarium, initially on *compositae* for the Flora Zambesiaca supported by the Bentham-Moxon Trust.

Welcome to **Miss Hazel Preston**, who began work in the Mycology Section of the Herbarium as an Assistant Scientific Officer on 6th September, 1982.

On 4th May, 1982, **Mr. H. Pritchard** took up a Higher Scientific Officer post at Wakehurst Place.

After a serious illness, **Alan Radcliffe-Smith** (Herbarium) was out of intensive care and progressing well in Charing Cross Hospital at the end of April, 1982. Later in the year, he was working again in the Herbarium.

**Tim Rees** (1981) who, in the year he left Kew, travelled to Papua New Guinea as the winner of the Thornton-Smith Travel award, and who is now a landscape designer, returned to Kew on 16th December to work in the library during a brief visit.

**Dr. Derek Reid** (Herbarium) left on 16th March, 1982 to visit Ankara, Istanbul and Trabzon for a month to make collections and to lecture on the taxonomy of fungi, under the auspices of the British Council.

**Steve Renvoize** (Herbarium), on 15th June, began a six week visit to South America, to attend the 3rd Latin American Botanical Congress in Lima. Before the meeting he spent two weeks in Brazil, visiting botanists at Sao Paulo and working at Itabuna (Bahia). After the meeting he undertook two weeks of field-work in Peru to collect grasses.

From 1st April, 1982, **Martin Sands** (Honorary Assistant Secretary) became Herbarium Co-ordinator, a post which, in addition to his existing herbarium regional responsibility for Australia and research interest in *Balanites* and *Begonia*, includes overall control of General Services and liaison with regard to storage and curation of the collections within the Herbarium.

In June, **John Simmons**, the Curator and a Trustee of the Guild, attended a meeting in New York of the A.A.B.G.A., to present a keynote paper entitled "Creating Habitats for Living Collections — the Kew approach". The visit also included tours of Long Island and New York State as well as a trip to the Adirondack Mountains.

With regret we record the death on 8th October of **Miss M. I. Skan**, M.B.E., who retired from the Library in 1968 after almost 50 years service at Kew. For a long time she was responsible for preparing the Supplements to the Index Kewensis.

**Andrew Skinner**, who for several years was a Scientific Officer in the Jodrell Laboratory, transferred to a Clerical Officer post in the Administration Division on 25th January, 1982.

**Miss Eirene Smith**, our Membership Treasurer, who joined the staff at Kew in 1966, retired in January, 1982 from her post as Clerical Officer for the Library Archives to which she transferred in March 1976. We wish her a long and happy retirement and express our gratitude for the hard work which she is continuing to do as an officer of the Guild.

In the early part of 1982, **Roger Smith** (Wakehurst Place) was, for a while, in Nepal where he undertook a feasibility study for the Food and Agriculture Organisation of the United Nations. On 20th September he was promoted from Senior to Principal Scientific Officer and we offer him our congratulations.

**Charles Stirton**, who was South African Liaison Botanist in the Herbarium from 1978 to 1980, returned to Kew to take up a Krukoff Legume Fellowship from 1st March, 1982, to work on New World *Papilionoideae* for the 'Flora Neotropica'.

**Jeremy Strudwick** (1977) and his wife Gail (née Sobel [1977]), who now live on Long Island, New York, are currently both studying for Ph.D. degrees at the University of New York with the aid of the New York Botanic Gardens.

Welcome to **Miss Barbara Swain**, who began work as an assistant Scientific Officer in the Herbarium on 31st August, 1982.

**Anne Swithinbank** (née Cozens), who left Kew in 1979, took up the post of Glasshouse Foreman at Wisley in 1982, where she lives with her husband, John (q.v.).

**John Swithinbank** (1978), who now lives at Wisley, began his own business in 1982 in partnership with Simon Beardmore (q.v.) undertaking Garden maintenance, Landscaping and tree work.

**Hugh Syngé** (Conservation Unit, Herbarium) left on 4th March, 1982, for India to attend a Plant Conservation Conference held in New

Delhi and hosted by the Botanical Survey of India. Later, in August, he was promoted to Senior Scientific Officer and began two months secondment to World Wildlife Fund International in Gland, Switzerland, to help prepare the Plant Campaign due to begin in October, 1983.

Congratulations to **Nigel Taylor** (Herbarium) on his marriage to Ruth Taylor on 17th April, 1982, at Bramhall, Cheshire. Ruth was previously a vacation student in the Conservation Unit in 1978.

Welcome to **Miss Leonora Thompson** who took up a two-year appointment as Assistant Librarian in the Archives Section of the Library in October, 1982. She had earlier worked at Kew as a librarianship student.

**Peter Thurman** (1981) is now a Director of Sussex Country Gardens Limited which is based in Kingston, near Lewes, East Sussex.

**Dr. Paul Tompsett**, on a three year appointment at Wakehurst Place, travelled to Australia, the Solomon Islands, Papua New Guinea, Sabah and Thailand in the early part of 1982.

**Cliff Townsend**, an Assistant Keeper in the Herbarium, joined several other members of the staff in January to attend Meetings of A.E.T.F.A.T. in Pretoria.

**Marie-Therese Trolliet** (1981) is now in charge of the administrative and practical work in the Bordeaux Botanic Garden, which, she reported, is very small compared to Kew being only 0.5 ha. It has no glass or propagating houses and relies on cold frames. However, the mild climate allows several tender plants to be grown such as *Casuarina* and *Lagerstroemia*, etc. She has four gardeners and a secretary who helps in making an index to the library which is quite important, having 5,000 books. There is a herbarium, from which specimens are requested on loan from all over the world. Eventually a larger Botanic Garden may be developed.

In June, **Dr. Bernard Verdcourt** (Herbarium) stayed for a week with Joe and Jessie Eggeling at their cottage at Rumbling Bridge near Dunkeld, Perthshire. Dr. Eggeling, who became head of the Scottish Nature Conservancy when he returned to Scotland from Africa over 25 years ago, contributed thousands of specimens to Kew from Uganda and Tanganyika, the two countries where, formerly, he had been Chief Conservator of Forests. Sadly, the excellent forest herbarium he helped to build up at Entebbe is thought to be now destroyed.

**Mrs. E. M. Wakefield** (1946), who lives in Edinburgh, indicates, in a letter received in July, that she was studying for a general examination in Horticulture to be taken in March, 1983.

Welcome to **Mrs. Joan Walsh**, who joined the staff as an Assistant Librarian working on the 'Kew Record' in May. Previously she had been working in the D.H.S.S. Library Services.

**John Whitehead** (1972) for some time has been a lecturer in Agriculture at Merrist Wood Agricultural College. In December, 1982, he spent some time with others in Kenya where he found many afro-alpine plants in flower including giant lobelias, the attractive turquoise

flowered *Delphinium macrocentron* and *Protea kilimandscharica* with large creamy globular flower heads. Interestingly, this *Protea* was seen growing on Mt. Elgon in the northern hemisphere, while later he saw *Juniperus procera*, representing a northern genus on Mt. Kenya in the southern hemisphere.

Regrettably we record the departure from the Library of **Jean Whyte**, who gave up full-time employment in February, 1982, to look after her father. She had worked in the Library since 16th June, 1975, and fortunately, following her resignation, she did not have to leave Kew entirely as she immediately began a part-time Clerical Assistant job at Wakehurst Place.

**Dr. Gerald Wickens** (Herbarium) left Kew on 6th August for two weeks in northeastern Brazil where he attended the first Brazilian Symposium on the Semi-Arid Tropics at Olinda and visited one or two research stations.

**C. J. Wilmot** (1947), writing in May 1982, sent best wishes to "old Kewites" especially of his period at Kew, and, referring to the George Brown Memorial Lectern, he recalled that he first made acquaintance with George when he came to Kew and together with several others, including Tom Garwood (1947) and Frank Tweedale (1948), they formed regular botanising parties in the evenings.

At the end of May, **Jeff Wood** (Herbarium) travelled to Liguria in north-west Italy and the Alpes Maritimes and Cévennes in France, to collect orchids for Kew. Also in France he visited Aveyron from where he has subsequently described a new subspecies of *Ophrys sphegoides*. Later in the year, from 8th to 21st August, he visited the Herbaria in Paris and Brussels, sponsored by the Australian Orchid Foundation to catalogue Schlechter type material of orchids.

Congratulations to **John Woodhams** on his promotion from Gardens Supervisor to Assistant Curator on 23rd March, 1982.

**Anne Woods**, who is Supervisor of the micropropagation unit at Kew, travelled to the west coast of America in March, 1982 for three weeks to visit plant tissue culture laboratories and Botanic Gardens in the area, particularly in California and Canada.

# OBITUARIES

## OLIVER BARTON ORCHARD



Oliver Orchard died at his home in Ipswich on August 22nd 1982 aged 82 years 11 months.

He was born in Flitwich, Bedfordshire, but spent much of his youth on the Isle of Wight with his four younger sisters.

From 1916-1924 he gained experience in a wide range of Private Gardens and Commercial Horticultural Establishments. Just before entering Kew he worked at Scadbury Park, Marsham Townsend, Chiselhurst.

His life was destined to be one of experiment. He began driving in 1917 at a time when such an activity was an exception rather than the rule.

His Kew experience started in 1924 and for a good deal of the time he was in the Propagating Pits. Competition was keen but his examination marks reflected this and the fact that he was extremely keen. One year out of a possible 250 in Fungi, Oliver scored 243. In Plant Ecology and Systematic Botany he gained 98%.

Frank Knight, Tom Everitt, Charles Stock and Lewis Stenning were a few of his contemporaries in those days.

Oliver left Kew for a post at the Experimental and Research Station at Cheshunt where he specialised in Glasshouse Crops. His ability and flexibility soon led to advancement and he moved to Fisons at Felixstowe as Horticultural Advisor. When the Levington Research Station was formed in 1955 he set up the Horticultural Department and a year later was appointed Chief Horticulturist.

Like many Kewites the passing of chronological time led to official retirement but an actual continuance of work. He retired in 1964 but as an encore worked as a Consultant until 1972. As a second encore he worked voluntarily until 1980 when poor health eventually drew him from active participation in the field of research. It is impossible to measure the value of Oliver's contribution to the economic success of our Nursery Industry and the benefits the various products he tested have brought to British Gardeners, amateur and professional alike. He will be sadly missed by his friends and the profession.

Frank Knight, who was Secretary of the British Botany Club when Oliver was at Kew, attended the funeral service on behalf of the Guild.

We offer our condolences to his sister Mrs. Grace Hodges.

## ERIC CLIFFORD WRAY



Eric Clifford Wray, Cliff as he was known to his friends, passed away on the 19th September 1982.

His academic ability was proved at Reading University where he gained First Class Honours. At the same time he was developing his skills in competitive sports for he also gained his Blues as a runner of distinction.

After a period of practical experience he entered Kew as a post-graduate student, from Reading University in 1934.

He left Kew in 1937 to take up a scholarship at the Luxembourg Gardens, Paris. He soon became a Francophile but had to leave to return to England at the outbreak of the Second World War. He joined the Royal Air Force and volunteered an extra duty to stay with his crew.

When the war finished he thought he would like to take up work in the Ministry but it was whilst he was waiting that an opportunity to do some teaching came up. He took this opportunity and found his vocation in passing on his knowledge.

During the fifties he was in charge of the Parris Wood Garden Centre. This was not a retail selling outfit but a Rural Studies Centre. I used to pass through it as a small boy at Grammar School as we used to use part of the buildings for changing before and after our cross country running. I recalled the horticultural atmosphere years later when I had developed an interest in gardening and attended the then highly developed classes.

He was made a Fellow of the Linnean Society.

Later he took up a post with the Imperial War Graves Commission as Chief of the French Section and from there moved onto the Botanical Gardens in Nice.

Cliff typified the Kewite who had some idea of a career path but found that his life's work was shaped by chance opportunity and fired by keenness and enthusiasm for his work. Teaching brought him back to the U.K. and that was what he was doing, with the W.E.A., until his sudden death.

To his wife, Mrs. Jaqueline Wray, and sons Philip and Jonathan, we send our deepest condolences.

His presence at Kew will be marked by the gift of a suitably engraved, teak bench which will be placed in the gardens at Kew.

Graham Burgess





The President of the Kew Guild, Mr. P. S. Green, Deputy Director, being presented to Her Majesty Queen Elizabeth II during her visit to R.B.G. Kew on 13th May 1982.



Her Majesty Queen Elizabeth II, with the Director, Professor E. A. Bell, unveiling a memorial plaque at the re-opening of the Temperate House on 13th May, 1982.

## INCOME AND EXPENDITURE ACCOUNT FOR

1981	DEBIT	1982	
£		£	£
	<b>To:</b>		
	<b>Kew Guild Journal:</b>		
1,553.00	Printing 1981 Journal inc. blocks .....		1,785.00
84.00	Prizes awarded by the Guild .....		73.00
70.59	Hon. Officers' expenses .....		69.73
32.60	Benevolent payments .....		15.00
444.63	General Printing, Postage, Stationery etc.		587.75
451.57	Guild Emblems .....		89.61
—	<b>George Brown Memorial Lectern:</b>		
	Engraving etc. ....		366.75
300.00	<b>Award Scheme:</b> Prizes, Printing etc. ....		100.00
6.00	<b>Insurance</b> .....		6.00
38.60	Annual Dinner Deficit .....		291.74
—	A.G.M. Tea Deficit .....		9.00
<u>2,980.99</u>		<u>3,393.58</u>	

## BALANCE SHEET FOR THE YEAR

1981	LIABILITIES	1982	
£		£	£
	<b>Capital Fund:</b>		
10,507.69	As per attached statement of assets .....		10,275.34
	<b>Current Liabilities:</b>		
	Life Subscriptions:		
	48 @ £1.00 Half Rate .....	24.00	
	52 @ £2.00 Half Rate .....	52.00	
	73 @ £3.15 Half Rate .....	114.97	
	4 @ £5.25 .....	21.00	
	7 NO RECORD .....		
<u>211.97</u>		<u>211.97</u>	
<u>10,719.66</u>		<u>10,487.31</u>	



**RULES OF THE KEW GUILD — Published every second year. Alternating with Staff List, and incorporating any changes.**

*Name of the Society.*

- (1) The name of the Society shall be "The Kew Guild".

*Objects.*

- (2) The objects of the Guild shall be—
- (a) the advancement of knowledge of horticulture generally and in particular in connection with the work of the Royal Botanic Gardens, Kew, and among members of the Guild.
  - (b) the encouragement of horticultural education at the Royal Botanic Gardens, Kew, by the provision of prizes and grants for Student Gardeners and the administration of the educational funds of the Guild.
  - (c) the provision of facilities for leisure time education and recreation in the interests of the social welfare of Student Gardeners and others having need of such facilities who are within the provisions of Section 1 of the Recreational Charities Act, 1958.
  - (d) the administration of the charitable funds of the Guild and the assistance from such funds of members of the Guild who are in need.
  - (e) the publication of a Journal in furtherance of the objects of the Guild or any of them.
  - (f) generally to do all such acts as shall further the active and corporate life of the Guild and may be lawfully done by a body established only for the purposes recognised by the law of England as charitable.

*Membership.*

- (3) (a) Membership of the Guild shall be open to past and present Curators, Assistant Curators, Garden Supervisors, Student Gardeners, scientific, horticultural, professional and executive members of the staff of the Royal Botanic Gardens, Kew and Wakehurst Place; also International Trainees and Research and Liaison Scientists, provided they have worked continuously at Kew or Wakehurst Place for at least twelve months. The term "Kewites" where used herein or by the Guild in other publications shall mean a paid-up member of the Guild.
- (b) In addition, the Committee may admit to membership of the Guild any member of the Kew staff outside the categories set out in (3) (a) who is deemed worthy of membership of the Guild.
- (c) Honorary Membership may be awarded at the discretion of the Committee to a former officer (Hon. Editor, Secretary or Treasurer) who has rendered outstanding service.
- (4) Members of the Guild shall have the right to vote at meetings and to compete in competitions, and shall be eligible for election as officers of the Guild or to serve on the Committee.
- (5) Any member wishing to resign shall give notice to the Honorary Secretary or the Honorary Treasurer before the first day of December in the year of his or her intention to resign.
- (6) (a) The Committee may by resolution communicated to the member in writing and stating concisely the grounds for which it proposes to act call upon any individual to resign from the Guild and if the member does not so resign within forty-eight days after being so called upon the Committee may by resolution terminate his membership.
- (b) before coming to any decision the Committee shall give the member affected proper facilities for stating his case to them either orally or in writing as the Committee may determine.

*Annual Subscriptions.*

- (7) The Annual Subscription which shall be payable on January 1st of each year shall be such a sum as the Annual General Meeting shall from time to time determine and

shall entitle members to all publications of the Guild. A member whose subscription is one year in arrears shall not receive further publications until his arrears be fully paid. The annual subscription is £7.00 (**Student Gardeners £3.00 — as at September 1982**).

- (8) Any member whose subscriptions are fully paid may on the payment of a lump sum predetermined by the Annual General Meeting become a Life Member and be entitled to all the privileges of the Guild without further payment. A sum representing not less than one-half of each life subscription shall be invested in the name of the Trustees and the liabilities to Life Subscribers shall be clearly shown in the annual Statement of Accounts. The provisions of this Rule may be suspended by resolution of an Annual General Meeting for such period as the Annual General Meeting shall think fit. (This rule is at present suspended.)

#### *Management of the Guild.*

- (9) (a) The business of the Guild shall be conducted by a Committee composed of the officers and ordinary Committee members. The officers shall consist of the President, two Vice-Presidents, the immediate Past-President, the President-Elect, Honorary Secretary, Honorary Assistant Secretary, Honorary Treasurer, and Honorary Editor. The ordinary Committee members shall consist of four present Kewites, twelve Old Kewites and two Student Gardeners.
- (b) Nine members of the Committee shall form a quorum. The Committee shall meet from time to time as may be necessary. Nine members of the Committee may by signed written notice to the Honorary Secretary request him to call a meeting of the Committee and if such meeting be not called within thirty days of the despatch of such notice the said nine members may themselves call a meeting of the Committee by twenty-one days' notice in writing sent to all members thereof.
- (c) The Committee may regulate its own proceedings by standing order or otherwise as it may think fit. No act or proceedings of the Committee shall be invalidated by any vacancy on the Committee or any sub-committee thereof on the grounds that a member of the Committee or of a sub-committee thereof was not qualified at or had become disqualified after the date of his appointment. The Chairman of the Committee shall at Committee meetings have no second or casting vote in the case of an equality of votes.
- (d) At least seven days' written notice of a meeting of the Committee shall so far as practicable be given to every officer and other members of the Committee.
- (e) A Chairman of the Committee shall be elected by the Committee to take the Chair in the absence of the President, the immediate Past-President, the President-Elect and Vice-Presidents.
- (f) There shall be two Honorary Auditors chosen from among members of the Guild who are not members of the Committee.

#### *Election of Officers, Committee, and Auditors.*

- (10) (a) The President, the President-Elect, Honorary Secretary, Honorary Assistant Secretary, Honorary Treasurer, and Honorary Editor shall be elected annually at the Annual General Meeting. One Vice-President shall be elected annually at the Annual General Meeting and shall hold office for two years. Any vacancy among the officers shall be filled as soon as possible by co-option by the Committee, and any person so co-opted shall hold office until the conclusion of the following Annual General Meeting.
- (b) Four ordinary Committee Members (three of whom shall be Old Kewites) shall be elected each year and shall hold office for four years. They shall not be eligible for re-election for at least twelve months after the end of their term of office. Any casual vacancy on the Committee shall be filled at the next Annual General Meeting, the member elected completing the term of office of the member whom he has replaced. The Student Gardener representatives shall be elected annually by the Student Gardeners.
- (c) One Honorary Auditor shall be elected each year and shall hold office for two years.

- (d) Candidates for election as officers or ordinary Committee members or Auditors may be proposed by any member of the Guild provided that the names of candidates be sent in writing to the Honorary Secretary at least twenty-eight clear days' before the Annual General Meeting.

#### *Meetings.*

- (11) The Annual General Meeting shall be held at Kew on either the second or third Saturday in September. At the Annual General Meeting the Report of the Committee and a Statement of the Accounts shall be submitted and election of officers and Committee members and Auditors shall take place. **Fourteen clear days before the Annual General Meeting the Honorary Secretary shall circulate to all members with an address in the United Kingdom a financial statement** together with the agenda of the meeting which shall include a list of candidates for election as officers or ordinary Committee members or Auditors together with their proposers.
- (12) A Special General Meeting of the Guild may be called at any time by the Committee and shall be so called within fifty-six days of receipt by the Honorary Secretary of a requisition in writing signed by not less than thirty-five members stating the purpose for which such a meeting is desired and setting out any resolution which it is desired to propose thereat. Notice of the meeting with an agenda thereof shall be sent to all members with an address in the United Kingdom at least forty-two days before the date appointed for the meeting. Amendments to any resolutions set out in the agenda shall be sent to the Honorary Secretary at least twenty-eight clear days before the date of the meeting and shall be sent by him to all members with an address in the United Kingdom at least seven clear days before the date of the meeting. No business shall be transacted at such meeting other than that specified in the notice and no amendment of any substance to any resolution proposed at the meeting shall be allowed. The Chairman of the meeting shall be nominated by the Committee.
- (13) The accidental omission to give notice of a meeting to or the non-receipt of notice of a meeting by any member shall not invalidate any proceedings or resolutions at any meeting of the Guild or any Committee thereof.
- (14) At a General Meeting each individual member whose subscription is fully paid up to the date of the meeting shall have one vote and no more except the Chairman who shall have a second or casting vote in the case of an equality of votes.

#### *Alterations to the Rules.*

- (15) These rules may be altered by a two-thirds majority of those present and voting at an Annual or Special General Meeting. Any proposals for the alteration of Rules shall be sent to the Honorary Secretary in writing at least twenty-eight clear days before the date of the Annual or Special General Meeting and shall be sent by him to all members with an address in the United Kingdom at least seven clear days before the date of the Annual or Special General Meeting.

#### *Dissolution of the Guild.*

- (16) A motion to dissolve the Guild may only be made at a Special General Meeting and to effect a dissolution at least three-quarters of the members actually present and voting at the meeting shall vote in favour of the dissolution. If a motion to dissolve the Guild is carried by the said majority the Guild's surplus funds, property and assets (if any) shall be disposed of for charitable purposes in connection with education and research in connection with botany and horticulture as the members may at the said Special General Meeting decide, or failing any such decision to a charity connected with botany and horticulture to be nominated by the Director of the Royal Botanic Gardens, Kew, for the time being, to the intent that no member of the Guild shall receive any of the said funds, property and assets by virtue of his membership.

#### *Property of the Guild and Trustees.*

- (17) (a) The Guild may purchase or otherwise acquire and hold property of any nature and may sell lease mortgage or otherwise deal with the same. Any property belonging

to the Guild may be invested in the names of not more than four and not less than two Trustees who may be appointed from time to time by the Committee and any vacancy amongst such Trustees shall be filled by the Committee. Such property may also be invested in the name of a limited company established by and under the control of the Guild for trust purposes.

- (b) Such investments may be in or upon such shares, stocks, funds, securities, investments, and property, real or personal, freehold or leasehold in any part of the world upon such terms and conditions (if any) as the Committee shall in their absolute discretion think fit and in all respects as if the Committee were the sole beneficial owners thereof. The Committee may from time to time direct the Trustees to sell vary and transfer such investments and property.
- (c) The Committee may deal with the said investments as if they were the sole beneficial owners thereof.
- (d) If legal proceedings of any kind are resorted to or defended by the Guild the Trustees shall on the instructions of the Committee but not otherwise prosecute or defend such proceedings either in the name of the Guild or in the name of the Trustees or otherwise on behalf of the Guild as may be necessary.
- (e) The Trustees shall in all respects act as required by the Committee and a copy of a minute of the Committee signed by the Honorary Secretary shall be conclusive evidence of its decision.
- (f) Any Trustee may be removed from office by a resolution passed at a meeting of the Committee by a vote of not less than three-quarters majority of the members of the Committee present and voting at the meeting. At least seven clear days' notice of a special meeting to remove a Trustee shall be given to all members of the Committee and the agenda for the meeting shall state concisely the reasons why the removal is considered necessary and the accused Trustee shall be permitted to make his defence orally or in writing.
- (g) The Trustees shall be effectively indemnified by the Committee from and against any liability costs expenses and payments whatsoever which may be properly incurred or made by them in relation to the trusts of the property and investments of the Guild or in relation to any legal proceedings or which otherwise relate directly or indirectly to the performance of the functions of a Trustee of the Guild.
- (h) Except where otherwise provided the Trustees may act by a simple majority of those present and voting at a meeting of the Trustees.
- (i) The Trustees shall from among their number appoint an Honorary Secretary.

## LIST OF R. B. G. STAFF AND STUDENT MEMBERS OF THE KEW GUILD

(as at 31st December, 1982)

### Staff:

Airy-Shaw, H. K.  
 Angel, Miss R. C. R.  
 Bailes, C.  
 Bell, Professor E. A.  
 Beyer, R. I.  
 Bovey, M. (Wakehurst Place)  
 Brummitt, Dr. R. K.  
 Burkhill, H. M.  
 Cowley, Mrs. E. J.  
 Cutler, Dr. D. F.  
 Edwards, P. J.  
 Erskine, C. M.  
 Field, D. V.  
 Fliegner, H. J.  
 Gardiner, Mrs. T.  
 Gregory, Miss S.  
 Hale, A. J.  
 Harwood, T. A.  
 Henchie, S. J.  
 Hepper, F. N.  
 Hooper, Miss S. S.  
 Jarrett, Dr. F. M.  
 Jones, Dr. K.  
 Keesing, J.  
 Lucas, G. L.  
 Meikle, R. D.  
 Owen, S. J.  
 Pegler, Dr. D. N.  
 Pemberton, L. A.  
 Reynolds, Dr. T.

Sands, M. J.  
 Schilling, A. D. (Wakehurst  
 Place)  
 Scott, Mrs. D. C.  
 Simmons, J. B.  
 Stant, Dr. M. J.  
 Summers, P.  
 Tasker, Miss S.  
 Taylor, P.  
 Townsend, D. W. H.  
 Wickens, Dr. G. E.  
 Woodhams, J. R.  
 Worth, Mrs. W.  
 Woods, Mrs. A. M.

### Students:

Barker, Miss C.  
 Bustard, Miss L.  
 Cathersides, A.  
 Crowder, C. J.  
 Goodenough, S.  
 Howard, M. J.  
 Morris, Miss S. A.  
 O'Grady, A.  
 Piebenga, Miss S.  
 Prail, Miss A. D.  
 Reeder, M.  
 Snellgrove, D. L.  
 Sombrero, C.

Please advise Membership Secretary of any omissions or errors.