

THE JOURNAL OF THE KEW GUILD



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The Association of members of the Kew staff past and present

Events of 2003

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**Royal Botanic Gardens
Kew**

CONTENTS

	Page
Trustees and Committee	186
Editorial	187
Allan Hart, President	188
Outgoing President's Report (2002-2003)	190
Annual General Meeting of the Kew Guild	191
New Committee Members	197
School of Horticulture, Kew Diploma Prize Day Speech 2003	199
Presentation of Kew Diplomas and Prizes 2003 (Course 38)	204
Kew Guild Award Scheme Raffle 2003	209
Kew Guild Awards Scheme Report for 2003	210
Course 41	212
The Clog and Apron Race 2003	213
M.Sc. Horticulture, Reading	214
Bhutan	216
Travel Scholarship to South India – Study of Sandalwood (<i>Santalum album</i>) ..	217
Botanical Trip to Beijing	218
Guild Receives Donation of Gavel	219
Last Word	223
Inaugural Kew Guild Sponsored Lecture given to the Mutual Improvement Society	226
A Review of the Gardens at Kew in 2003	228
A Review of Wakehurst Place Gardens in 2003	231
News of Kewites at Home and Abroad in 2003	234
Wakehurst Place Weather 2003	248
Obituaries	249
Accounts	252

Royal Botanic Gardens, Kew

THE KEW GUILD

Patron: Her Royal Highness Princess Alexandra

The Kew Guild Committee 2003-2004

Advisors:

Professor E. A. Bell, B.Sc., M.A., Ph.D., C.Chem., F.R.C.S., F.L.S.
 Professor Sir Ghillean T. Prance, F.R.S., M.A., D.Phil., Fil.Dr., F.L.S.
 M. J. S. Sands, B.Sc., C.Biol., F.I.Biol., F.L.S., F.R.G.S.
 J. B. E. Simmons, O.B.E., M.Hort.(RHS), F.I.Hort., C.Biol., F.I.Biol., V.M.H.

Officers:

President: Professor David F. Cutler, B.Sc., Ph.D., D.I.C., F.L.S.
 President Elect: Dr. Colin Hindmarch
 Vice-President: Mrs. Jill Cowley
 Past-President: Allan Hart, A.L.I., M.I.Hort.

Honorary Secretary: T. F. Risley
 Honorary Treasurer: Ms J. Alsop
 Honorary Membership Secretary: S. J. Henchie
 Honorary Editor: Mrs. J. S. Day
 Events Officer: Ms. P. Holt

Committee Members:

Retire 2004

Mrs S. Atkins Kew
 Ms P. Holt Maidenhead
 Ms E. A. Leche Chile
 C. J. Weddell Kew

Retire 2005

R. C. Ward Kew
 J. R. Woodhams Kingston-on-Thames
 S. J. Henchie Kew
 A. George

Retire 2006

R. Hebb
 A. Ross
 M. Wilkinson

Award Scheme Chair: A. Hart
 Students' Union Representatives: Ms M. Corcoran

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EDITORIAL

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Mike Clift, former Honorary Secretary extraordinaire, is also a talented photographer as is witnessed by this year's cover. The deadline for non-computerised text is January 15th, 2005 and for computerised text (disc or email attachment), it is February 15th, 2004. Thanks to all who contribute to the successful production and distribution of the *Journal*.

Jennifer Day
Hon. Editor

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Honorary Editor: Jennifer Day on 01794 388614 (telephone/fax),

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PROFESSOR DAVID F. CUTLER, B.Sc., Ph.D., D.I.C., F.L.S.
President 2003/2004



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President 2003/2004



BRIEF C.V.

Current Posts: Honorary Research Fellow, Royal Botanic Gardens, Kew. Visiting Professor in Botany, Reading University. Honorary Lecturer, Imperial College, London University.

Qualifications: B.Sc.(Hons), D.I.C., Ph.D., F.L.S.

Medals, honours: The Kew Medal, The Gold Medal of the Linnean Society of London.

Positions currently held: A Vice President of the Linnean Society of London. Editorial Secretary, Linnean Society of London. Honorary Member of the International Association of Wood Anatomists. Honorary member of the Academic Staff, University of Reading. Honorary Lecturer, University of London, (Imperial College). Honorary Member of the International Society of Arboriculture.

Former post at Kew: Deputy Keeper and Head of the Plant Anatomy Section, Jodrell Laboratory. Retired August 1999. (Plant Anatomist at Kew from 1962-1999.)

Research: Pure and applied Plant Anatomy, including systematic anatomy of angiosperms, functional aspects of plant structure and identification of fragmentary plant material. Current applied projects include: tropical forest wood structure and uses; (a) fuel wood improvement in Zimbabwe (EU Berkeley Reforestation Trust and Glaxo-Wellcome funded) and (b) in NE Brazil (Clothworkers' Guild funded); tree root structure and root systems; trunkwood growth rings as indicators of air pollution tolerance. Currently supervising four Ph.D. students.

Lecturing: Annual M.Sc. course in Pure and Applied Plant Taxonomy (University of Reading); lectures at Imperial College, University of London; courses given in Argentina, China, South Africa and Sweden. Papers presented at international conferences around the world. Visiting Professor, University of Buenos Aires and University of Cordoba, Argentina, in October, 1994. Diploma course in horticulture, RBG Kew.

Publications: Over 118 publications as scientific papers, books and popular articles. Author of *Anatomy of the monocotyledons* volume on Juncales; *Applied Plant Anatomy*, currently under revision (translated into Chinese, Spanish and Japanese), co-author of *Tree Roots and Buildings*, *Root Identification Manual of Trees and Shrubs*, and *Xerophytes* in the series "Encyclopedia of Plant Anatomy". Joint Editor and contributor to 'Saxifragales', vol IV, *Anatomy of the Dicotyledons*, 2nd series. Co-author 'Plants in Archaeology', an identification manual of artefacts of plant origin from Europe and the Mediterranean.

Editorial work: Series editor of 'Anatomy of the Dicotyledons' and 'Anatomy of the Monocotyledons' series (Oxford University Press). Member of the *Annals of Botany Company* (formerly Chief Editor) (UK). Editorial Board Member of:

Parodiana (Argentina), Bothalia (South Africa), Blumea (Netherlands), Flavour and Fragrance (UK), and the Nordic Journal of Botany. Joint editor of several Symposium Volumes of the Linnean Society of London.

My current research: is into sustainable use of natural woodlands for fuelwood in Brazil and Zimbabwe, where there are field experiments continuing. I also work on the Anatomy of the **Monocotyledons** and **dicotyledons** series of volumes. I maintain an interest in tree root spread and the interaction between trees and buildings.

OUTGOING PRESIDENT'S REPORT (2002 – 2003)

by Allan Hart

This has been another year in which the Guild Committee has worked extremely hard on behalf of the members. Innovations have included the issue of a Certificate of Membership (the first since the Guild was founded), and the development of our own website (www.kew.org/kewguild), which contains news and information about the Guild and its events and activities.

Meetings were held with the Director, Peter Crane, and the Keeper of the Herbarium, Simon Owens, which resulted in a very generous reduction for Guild members to the subscription for the Friends of Kew, allowing unlimited entry into the Gardens and Wakehurst Place.

The Guild Room at Kew has to be used for storage during the re-development of the Herbarium, but every effort is being made to protect the Guild's property and make part of the room available for Committee meetings.

We have continued to address the reasons for the decline in membership. Proposals to involve more people include additional visits and events throughout the UK, the promotion of a Guild sponsored lecture to the Mutual Improvement Society and giving added emphasis to the professional standing of the Guild, which is recognised by non-Kewites. The list of members' addresses had to be omitted from the 2002 *Journal*, due to problems associated with the vagaries of the Data Protection Act. It is hoped that this problem can soon be resolved, as the list is a valuable means of communication between our members.

The Annual Dinner was again held, after a year's absence, in the magnificently re-furnished Orangery, with its new internal cloakrooms much appreciated by our female guests! The Guild is most appreciative of the Director's permission for the Dinner venue to be held in its spiritual home. Following the excellent meal, Dennis McGlade, an eminent landscape architect from Philadelphia, USA, gave an entertaining and thoughtful speech, most of it re-written in haste, on discovering that there would be no visual aids available to show examples of his work throughout America, and in Europe and the UK! He appreciated that his association with former Kewites has given him much help and friendship over many years.

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I was particularly appreciative of Tom Risely's organisation, which together with Richard Ward's expertise as M.C. made the evening such a great success.

It gave me much pleasure to inaugurate David Cutler as the President for 2003-2004 at the September AGM, in recognition of his long association and commitment to the Guild. David has been very supportive of the various initiatives and he is sure to add lustre to the role of President during his term of office. The new Vice President, Jill Cowley, who was for many years Membership Secretary, richly deserves to be recognised for her involvement with and contribution to the Guild.

My term of office was made all the more enjoyable by the unstinting effort and support of the Committee and of my wife Joan, whom I met while a student at Kew. I also began student life with Tom Risely and Mike Clift, and much appreciated them extending their periods in office on the Committee to see me through my presidential year.

THE KEW GUILD ANNUAL GENERAL MEETING

by Allan Hart

At the Annual General Meeting of the Kew Guild held on Saturday 6th September, Professor David Cutler, former keeper of the Jodrell Laboratory was elected as President for 2003-4. The immediate Past President Allan Hart inaugurated David. Jill Cowley was elected as Vice-President, a well-deserved honour for her devotion over many years as Membership Secretary. This year saw many resignations: Rebecca Bower – Treasurer, 14 years; Tom Risely – Events Secretary 11 years; Mike Clift – Secretary, five years; David Barnes – Membership Secretary, five years. These posts were filled by Jennifer Alsop, Pamela Holt, Tom Risely, Stewart Henchie respectively and joined by new committee members, Mike Williamson and Anthony Ross, with Alexander George and Robert Hebb serving as overseas members. Following the meeting 70 members and friends explored the Gardens on the aptly named Explorer with a tour organised by Mary Done and her team. The highlight was the ascension of the Pagoda, quite a feat of endurance in the tropical temperatures at the time. Everyone was put to shame by official minder Stewart Henchie who made the climb at least four times.

It is a Guild tradition that an eminent specialist is invited to give a talk to the members after the AGM. This year it was our privilege to welcome Dr. Liz Dauncey, who gave a thought-provoking, illustrated lecture on poisonous plants. The photographs showing some effects of irritant plant species made for an uncomfortable viewing by those with sensitive stomachs! A buffet supper hosted by the President and his wife Sue, was held in the Jodrell atrium. The wonderful food, drink and conversation in which the newly arrived students joined in, provided a fitting climax to a memorable day.

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ANNUAL GENERAL MEETING OF THE KEW GUILD

by Mike Clift

Minutes of the Annual General Meeting of the Kew Guild which was held in the Jodrell Lecture Theatre on Saturday 6th September 2003.

The President, Allan Hart called the meeting to order at 2.30 p.m. He welcomed the 45 members and friends to the meeting.

He began, by commenting that during the last year a gavel and a box have been made by Derek Elkins, a colleague of our Secretary, as a memorial to a recent Past President, Theo Dumont. He added that Mrs. Maureen Dumont and her son, Peter, were with us and he asked Maureen if she would present the gavel to the Guild. This she did and then struck the gavel to open the meeting. Allan Hart thanked her for this fine gift.

01.03. Apologies for absence: The President called on the Secretary to read out the list of apologies that had been received. The Secretary, together with Tom Risely, have received following apologies: Mike Arnold Gilliat, C. A. Attwood, Tim Blancpain, H. P. Boddington, E. W. Brown, Annabelle Chantler, Richard Coghlan, J. B. Comber, A. G. Dixon, T. Elton, Hans Fleigner, Lynn Foss, Emma Fox, Charles Funke, Cyril Giles, Mike Griffin, John Halhead, David Hardman, N. C. Hickman, Peter Hollett, Antoine Hoog, Bryan Howard, Bob Hughes, Colin Jones, Arabella Lennox-Boyd, Prof. Gren Lucas, T. Matthews, C. J. Mitchelmore, Brendan Mowforth, Hans Overeynder, Allen Paterson, Trevor Preston, Jane Reynolds, T. Reynolds, M. Roberts, Dr. Norman Robson, R. H. Rule, John Sales, Ian L. Smith, Terry Sutcliffe, John P. Tregear, J. Ward, Arthur Woodward.

02.03. Deaths of Members: The President then asked the Secretary to list those Guild members who had died since the last AGM.

These were: J. W. Ewart (1937), F. R. Richardson who retired in 1975, W. S. Smith (1949), H. J. Kruger (1946), Roy Mowforth (1937), Charles Joy (1937), Eric Armstrong (1947) and Prof. H. D. Tindall (1946).

Members were asked to stand and a period of silence was kept in their memory.

03.03. Approve minutes of the previous AGM: The President then asked if the minutes printed in the recently received *Journal* were considered a true record of that meeting. Their acceptance was proposed by Kenwyn Pearson and seconded by Martin Sands.

04.03. Matters arising: The President asked if there were any matters to raise that were not in the Agenda for the meeting. There were none.

05.03. Secretary's Report: The Secretary reported that the Committee had met on four occasions during the last twelve months. He noted that we have continued to use the Pat Brennan Suite as the Guild Room is currently out of bounds. Allan Hart has met Peter Crane, the Director and also Simon Owens, Keeper of the Herbarium, concerning the Guild Room and other matters. Following the latter meeting, it is hoped that we soon will be allowed again to use the Guild Room. It

was also noted that the Director intends to give a talk to the Guild, perhaps during next year.

Perhaps there are some members who look upon websites as a matter of entering the never never land. We have been brought, perhaps reluctantly, into the 21st century with the realisation that the Guild now has its own website. After some initial unenthusiastic responses, it is now up and running.

Last autumn a visit was arranged to the Welsh Botanic Gardens which attracted an incredibly small number of members. An interesting visit ensued and it was considered strange that none of our members, who live in the principality, joined us. Perhaps they are already too aware of this fine new garden.

Another first and after a century of the Guild's existence, we now have membership certificates.

I look back on last year as quite a year and much credit must go to Allan Hart for his endeavours.

The President reminded members that it was at an AGM, five years ago, that Mike Clift offered his services as Secretary. Since then he has done a very good job in this role. He thanked him for his sterling efforts. Applause.

06.03. Membership Secretary's Report: David Barnes considered that our membership was fluid. Yesterday the numbers were: Staff 38, Students 33, Corporate 2, Standard 336, Life 27 and Trustees 2. This gave us a total of 438. David continued that he was standing down from this role and thanked Jill, Rebecca, all past Presidents, Graham Burgess, Editors, Richard Ward and Jennifer Day and also Secretary, Mike Clift for his support.

The President then thanked David for his efforts in this role. Applause.

The President then asked if there were any observations on David's Report.

Leo Pemberton considered that as times have changed, should not staff be brought into membership. It was considered that, providing they have worked at RBG for a year they can apply for membership.

Bob Adams considered that the Guild was not unusual in its ability to retain particularly the younger members. All organisations he belongs to have this problem. It would appear, that it was at about 50 when the pressures of jobs, children have lessened, that it seems that people are then prepared then to join organisations

He also commented that the Award Scheme is not contacted by members enough. Funds are available for members to attend the dinners and it seems that members are just unwilling to utilise it.

Graham Burgess considered that the benefits of Guild membership amounted to considerably more than the £12.00 subscription.

One idea mooted was to take the Dinner and AGM to different parts of the country and thus to make contact with the more distant members.

One comment raised, was that the Guild has an intimidating image. Arthur Bell was very surprised at this. He responded to the comment regarding appealing to

the membership for their advice on how we could improve matters, by saying that that this had already been done. The results are with David Barnes and this has been discussed.

Questioned what does the Guild do for the students, Allan Hart reminded members that Patrick Nutt and Denis McGlade had both given talks for the students.

Ian Leese replying to the comment, should not the SOH utilise Guild members more, commented that this year a Guild member will give a Mutual Lecture and that he would consider this point further.

The President commented that he had written to all ex Award Scheme winners whose addresses were known concerning raising extra funds for the Award Scheme, but the response was poor. There was a problem with addresses particularly with those who do not regularly keep in contact.

The President then thanked every one for their contribution to this item and considered that we ought to proceed with the rest of the meeting.

07.03. Treasurer's Report: Rebecca Bower began by referring members to page 179 and 180 of the current *Journal*. The Financial Statement for 2002 is detailed and listed there.

She commented that some items are down, the *Journal* was more expensive, but the Awards were up. She commented that there was a £4,000 surplus.

Investments had decreased in value but as they are in for the long term, they are bound to fluctuate. Rebecca added that monies are being received for the raffle and acknowledged that the Philip and Granville Trust, had again sent a donation.

Rebecca then commented, that she is standing down after 14 years as the Guild Treasurer, but she considered that we would be in good hands, with Jennifer Alsop, of her department, taking care of our financial matters.

The President then thanked Rebecca for her long stint as Treasurer and the excellent advice she readily gave to the Guild. As a token of our appreciation, he presented her with a memento, with the Guild's thanks for all her efforts.

08.03. Editor's Report: Jennifer began by commenting on the death of David Sharp, who had been our main contact at the printers for many years. She considered that he had, in this time, done a lot for the Guild.

This *Journal* should show a further reduction in costs. We also had, she thought, for the first time a coloured cover. She then appealed for further contributions of drawings or photographic images that could be used.

She commented that as the *Journal* is important to the Guild, it was the members, not the Editor, who provided the material to keep the covers separated. Jennifer again reminded members that written copy for the *Journal* should be with her by January 15th and the electronic items by February 15th.

She then commented on the data Protection Act. This very complex matter, compels us to come into line. All members must give their permission that their data can be

displayed in the *Journal*. Bob Adams commented that there were some aspects concerning members who had died, that should also be investigated.

Jennifer commented that at the next Committee meeting this would be further examined and the President and Membership Secretary would need to keep watch over this very complex area.

One suggestion was that an agreement was sent out with standing orders. David Barnes' response was whenever there was an increase in subscriptions, members do not update their previous subscriptions this idea should not be seriously considered. He added that we still receive 75p, £2.50 and sums well below our current level, but after requests, these have still not been amended.

Martin Sands, to correct matters, commented that the first colour cover was for the Guild's Centenary *Journal*.

The President thanked Jennifer for her report.

09.03. Events Officers Report: Tom Risely considered that the Guild should endeavour to arrange three to four events per year. We should continue to make the AGM an event. An amount of effort is required and many will have to devote time and effort to do so. He asked that members who would support an event, provide him with some ideas to consider.

He remarked that this year's Dinner was a successful event. He reported that 70 members, including 12 students, attended this event. He suggested that the Dinners in future are arranged for either the Saturday before, or following Chelsea.

He reported that the incoming President will be organising a visit to the Linnaean Society, possibly during October. He asked that this is well supported.

He then listed activities for the remainder of the day. Following this meeting, there will be tea and biscuits at the SOH. Then we could either walk to the Pagoda or the train has been arranged. We then return to the Joddrell for a talk, then upstairs for the reception.

The President then thanked Tom for his sterling work in organising Guild events, from a distance, for these last 10 years. Applause.

10.03. Award Scheme Report: Allan Hart reported that the Award Scheme Committee is currently undergoing some changes following the retirement of Annabelle Chantler as its Secretary. Ian Leese will stand in as Secretary until Mark Pitman is able to take up the reins.

He reported that this year some £5,000 was available for Awards. They had received 15 or 16 applications and from these 10 were approved. He reported that they now have a standard form, which has been a great help in the assessments.

Concerning the Raffle, he thought that about £1,600 would be raised. He thanked Kenwyn Pearson for being the custodian of the picture, which would be the major prize in the Raffle.

Comments were made, concerning those who receive Awards and fail to provide a report. It was considered this would now improve with Ian Leese on hand to oversee

matters. The thought was promoted, should some percentage of the Award be withheld, until the report has been received? There will certainly be more discussions on this matter at the next committee meeting.

11.03. Student Prize Day: Allan Hart reported that he had attended the student Prize Day yesterday. In spite of the high temperature in the Lecture Theatre, it was a very fine event. Allan Titchmarsh recognised the Guild's financial input into the students travels and the Prizes.

12.03. Retiring members of Committee: The President then called on the Secretary to list these members. He noted that usually this is quite a simple task, but not this year.

He then listed that Rebecca had completed 14 years as Treasurer, Tom Risely 10 years as Events Officer and about to take on a new role and both David Barnes and he had completed five years as Membership Secretary and as Guild Secretary. The President said that he, Tom Risely and Mike Clift had joined as students on the same day and he was particularly appreciative that they had extended their term, in order to give him their support, during his period in office

The Officers and Committee. Allan Hart as President, Ian Leese as Vice President with Committee Members, Roy Jones, Hans Fleigner and Charles Funke having completed their three years on the Committee. He also mentioned Graham Burgess, who came onto the Committee to help him as Minutes Secretary. He thanked all the other members.

In conclusion Mike Clift wished the incoming Officers and Committee members all success. Applause.

Allan Hart then presented his wife, Joan, a bouquet as a gesture of his thanks for all that she had done for the Guild during his year of office.

13.03. Election Of Officers:

President: Professor David Cutler, proposed by M. Clift, seconded by Arthur Bell.

President Elect: Dr. Colin Hindmarch, proposed by Allan Hart and seconded by David Cutler.

Vice President: Jill Cowley, proposed by Leo Pemberton, seconded by Martin Sands.

Secretary: Tom Risely, proposed by David Barnes, seconded by Graham Burgess.

Membership Secretary: Stewart Henchie, proposed by David Barnes seconded by Jennifer Day.

Treasurer: Jennifer Alsop, proposed by Rebecca Bower, seconded by Ian Leese.

Editor: Jennifer Day, proposed by Kenwyn Pearson, seconded by Nigel Hepper.

Events Officer: Pamela Holt, proposed by Tom Risely, seconded by Jill Cowley

Award Scheme Chair: Allan Hart, proposed by Pamela Holt, seconded by M. Clift.

Committee Members: Michael Wilkinson and Anthony Ross were proposed by Allan Hart and seconded by Richard Ward

As we did not appoint an overseas member last year, it was agreed that Alexander George be elected and serve for two years and that Robert Hebb be elected for the three-year period.

All these appointments were agreed by the members.

15.03. Inauguration of new President: Allan Hart then asked David Cutler to come forward and placed on him the Presidential Chain of Office. This was greeted by much applause from the members.

David Cutler then proposed a vote of thanks to Allan for all that he has done during the last year. Much had been done behind the scenes. There were still some items that had been set in motion, that they would be working on together. All told, a very great deal had been achieved during this year.

The new President then presented Allan with the Ex President's Badge and also a Kew Guild Pin Badge to Joan as "Honorary Member".

16.03. Date of the next Meeting: It was noted that this would be held on Saturday 11th September 2004.

Allan Hart then thanked everybody for their input into the meeting and their presence. He then declared the meeting closed at 4 p.m.

NEW COMMITTEE MEMBERS

Jill Cowley

After working in house plant nurseries in Surrey and Geneva, Switzerland, Jill Cowley started work at Kew in 1968 in the Himalaya section of the Temperate House. After six months she became the Propagator for the Palm, Temperate and Australian Houses. After marrying Kew student Richard Cowley, she moved department from the Living Collections to the Herbarium in 1972, where she was to remain until her retirement in 2000.

Jill was lucky enough to have the opportunity to travel on expeditions to Korea in 1982 with Ian Beyer and Charlie Erskine, Turkey in 1987 and 1990, Brunei in 1993 and China in 1990, 1992 and 1994. In Brunei she saw many of the plants which she had been studying from the family *Zingiberaceae*, her speciality while working in the Petaloid Monocot section and was able to describe new species for that country's new flora. Her interest in one ginger genus in particular, *Roscoea*, was the reason for wanting to travel to China, and she was able to study and bring back to Kew for cultivation, many species previously known only from cultivated, unknown source material.

Since her retirement, Jill has moved to Malvern in Worcestershire and now that the house and garden are in shape, has turned her attention to writing a Kew Monograph on *Roscoea*, hopefully to be completed in Spring 2004.

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Tom Risley

Tom hardly needs introduction, having served on the Committee for many years as the Events Officer. However, it seems only correct to include him among the new members, as he assumes the mantle of Secretary.

Over the course of a long and illustrious career, Tom has worked for the Ministry of Transport, formulating policy in the areas of design and planting schemes and maintenance of highway verges as habitats for native flora and fauna. In his role at Land Reclamation Ltd., he worked on designs, specification and the implementation of green landscape projects on reclaimed land. Working as Project Manager, Tom oversaw the construction of a modern day hanging garden in the Vila Olimpica in Barcelona.

He has worked internationally on projects in the United Arab Emirates and Saudi Arabia as well as in Spain, being heavily involved in the design and construction of everything from natural grass football fields in Saudi Arabia, to large palace gardens in Riyadh and public parks in Sharjah, UAE and Al Jouf, Saudi Arabia. Recently Tom took a break from his hectic schedule to be elected as a Fellow of the Institute of Horticulture, proposed by fellow Guild member Leo Pemberton and John Sales.



Anthony Ross

During his studies at Kew (1971-74), Anthony developed a great interest in botanical art. He gained inspiration from the current artists working in the



Anthony Ross in the Princess of Wales Conservatory.

Herbarium and from Ray Desmond, who allowed him to examine Kew's priceless collection of original paintings and books. After leaving Kew, Anthony worked for Land Use Consultants, the London Borough of Richmond and the City of London, but continued his interest in flower painting. That interest has now developed into large-scale contemporary work in oils and watercolour. Flower painting is now his full-time occupation, as well as running a Botanical Art

Club, with regular visits to Kew and Chelsea Physic Garden during the spring and summer months. Details of Anthony's courses can be found on his website www.artcourses.co.uk/page/botanic.

Mike Wilkinson

After leaving RBG, Kew in 1971, Mike attended the Institute of Leisure and Amenity Management's Staff College at Goring on Thames. Mike's working life has been spent with four London Boroughs, Hammersmith and Fulham, Enfield, Hounslow, where he was an Assistant Director, and finally as Head of Parks for Wandsworth Council.



The 17 years spent at Wandsworth proved challenging as well as fruitful. Achievements included the creation, in 1993, of the London Lakes Rehabilitation Project, which was partly funded by the European Union. This culminated in a European Conference in 1997. The project provided a management model for hypereutrophic lakes.

In 1998 Mike was responsible for obtaining the largest grant of £6.9m from the Heritage Lottery Fund, for the restoration of Battersea Park.

Mike took early retirement in 2002 and is now running his own gardening business and doing some lecturing at Richmond Adult College.

SCHOOL OF HORTICULTURE PRIZE DAY REPORT SPEECH 2003

By Ian Leese, Director of Studies

Your Worship, Mr. Titchmarsh, Director, Mr. President, distinguished guests, ladies and gentlemen, may I add my welcome to you on this day which is the main event in the calendar of the School of Horticulture. Your Worship, you will be delighted to know that one of our graduates is from your native New Zealand. However, he is from Auckland rather than from your own Garden City of Christchurch. Apparently, people from Auckland do not like people from Christchurch, so he may ignore you today. Allan, it is a great privilege to share the platform with you. As a Kew Diploma graduate yourself, you are amongst many friends. You are the John Major of horticulture who likes to get back to basics. From humble beginnings you have risen to the height of your profession, and you are an inspiration to us all.

It is my pleasure to give a report on the activities of the School of Horticulture over the past academic year, highlighting the successes that have been achieved.

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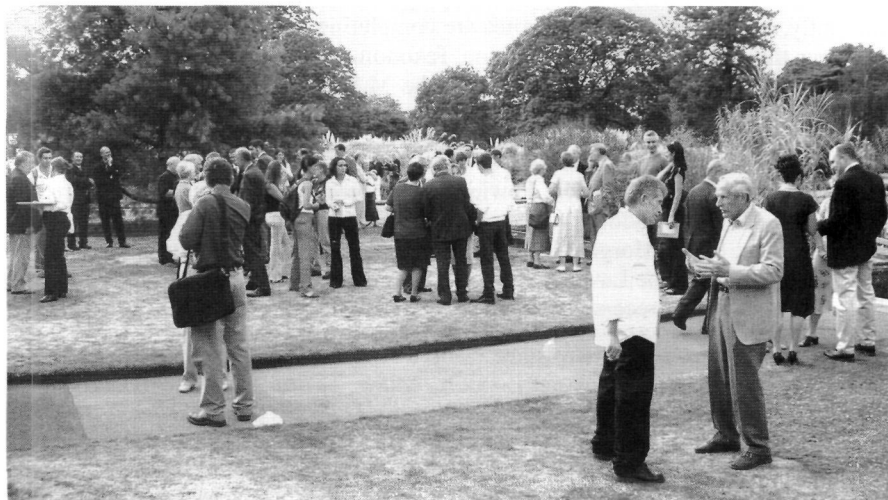
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It is my pleasure to give a report on the activities of the School of Horticulture over the past academic year, highlighting the successes that have been achieved.

Firstly, I should note that we celebrate the fortieth anniversary of the establishment of the School of Horticulture and the start of the three-year Kew Diploma in Horticulture course in 1963, replacing a two-year certificate course. We welcome Leo Pemberton, the founder of the School, and his wife, Melda, here today. We also celebrate the granting of World Heritage Site status to Royal Botanic Gardens, Kew as a whole, recognising the world-class resources here that benefit all of us, and to which the staff and our students contribute. We take the cream of those who apply for the Kew Diploma course, facilitate an extraordinary experience for them during their three years, and this equips them for the varied career directions that follow. I must thank everyone who contributes in any way to the course, including the support of Dr. Nigel Taylor, Head of Department, and Mr. Greg Redwood, Head of Section, for ensuring that our students receive the best possible start which is such a good foundation for their future careers. This year we say goodbye to two of our lecturers. Mike Bracegirdle has raised the appreciation and understanding of ecology by his teaching over the past 13 years, and Dr. Steven Shaw has done the same for Pathology. We wish them well for the future.

Most Kew Diploma graduates stay within botanic gardens after their training, and a number are employed on the staff at Kew. Following Prize Day last year, two graduates were recruited to work here. Katie Steel is now in charge of interpretation throughout the gardens, and she has had an immediate and positive effect. David Burns is in the Amenity Unit of the Hardy Display Section, dealing with some of the most-visited areas of the gardens. Another graduate from last year, Nicky Sharp, has joined the staff of the Eden Project in Cornwall. There, Adrian Lovatt has been promoted to the post of Assistant Temperate Curator, and another Kew graduate, Dina Gallick, has been recruited to be in charge of the Humid Tropics Biome.



Prize Day attendees mingle in the Grass Garden (Photograph courtesy of Allan Hart).

Andy Jackson, a Kew graduate who has been pursuing his career at Kew's satellite garden in Sussex, has this year been promoted to be Head of Wakehurst Place. In London, Mark Poswillo has become Head Gardener of the Chelsea Physic Garden. Overseas, Dr. Mike Maunder has been appointed Director of Horticulture at Fairchild Tropical Garden, Florida. Darrin Duling is now Curator of Glasshouse Collections at New York Botanical Garden. Antony O'Rourke is Assistant Head Gardener at Jerusalem Botanical Gardens.

After botanic gardens, many Kew Diploma graduates work as head gardeners of private estates. Jim Buckland, a fellow student of mine at Kew a few years ago, works with his wife, Sarah Wain, a former Kew staff member, as Estates Manager of West Dean Gardens in West Sussex. This was voted 'Garden of the Year' by the Historic Houses Association. Another graduate of some years ago, John Anderson, was appointed Head of Gardens at Inverewe, owned by the National Trust of Scotland. More recent graduates, Nick Biddle and Joe Scrivener, became Assistant Parks Managers for the Royal Parks Agency at Regents Park and Richmond Park, respectively. Ian Hudson took charge of the Royal National Rose Society's garden this year. Matthew Reese has been promoted to Assistant Head Gardener at Great Dixter in Sussex, the home of Mr. Christopher Lloyd. Christopher Weddell is now Senior Horticulturist at the Royal Horticultural Society's Wisley Garden. Last year's graduates, Beccy Holmes and Janet Thompson are working at a private Buckinghamshire estate and the National Trust's Ham House, respectively. Two other people from last year have returned from travel scholarships. Hannah Gardner has gained a job at Sissinghurst, and Jessica Beaghen is pursuing a nursery position in Malaysia.

A number of Kew Diploma graduates progress onto higher education after Kew. Currently, two of last year's graduates are completing M.Sc. degrees. Ruth Bone is studying the M.Sc. in Biodiversity and Taxonomy of Plants at the University of Edinburgh, while Frank Emmerich is on the M.Sc. in Horticulture course at the University of Reading.

Several Kew graduates have followed your example, Alan, and chosen careers in horticultural journalism. Alys Fowler, after completing an M.Sc. degree at University College London, is Features Writer for *Horticulture Week*. A graduate from last year, Sarah Morgan, is now Gardening Editor of *Amateur Gardening*. In the same vein, Christine Lavelle, along with her husband, Michael, have had a book on organic gardening recently published.

Two of last year's graduates have entered landscaping careers. Harriet Parsons works for a design practice in London. Mima Taylor has joined Christopher Bradley-Hole, and was heavily involved in his Gold Medal 2003 Chelsea Show garden. Other ventures into commercial horticulture during the past year include the appointment of Laurie Scott as Plant Area Manager for Squire's Garden Centre. Last year's graduate, Barry Coetzee, is now exporting South African plants to Kew graduate, Daniel Slack, in the U.K.

Apart from the achievements of our graduates, there have been a number of developments at Kew this year which have featured our current students and shown them at their best. Firstly, representatives from all three years were interviewed by BBC Breakfast television, which was at Kew for a week in December. This series has since led to the current filming by BBC Wales. First-year students have directly contributed to the 'Go Wild' summer festival through the display of their vegetable plots in the Order Beds area just outside this building. This has proved very popular overall with the visiting public. We are most grateful, too, for the provision of seeds for this project from Thompson and Morgan Limited and irrigation equipment from Hozelock Limited. First-years also impressed our hosts on a study trip to the island of Mainau in Lake Constance. We are indebted to the Rotary Club of Kew Gardens, the Kew Foundation, as well as Count Björn Bernadotte, Herr Theo Leutenegger, and the Mainau Foundation, for making this trip possible.

A committee of second-year students, aided by some Kew staff and outside members, have been responsible for a very successful Kew Mutual Improvement Society series of weekly evening lectures from September last year to the end of this April. I believe that you were Chairman of this Society, Alan, when you were here. Last year's Prize Day Guest of Honour, Carol Klein, kindly agreed to give a lecture as part of their programme. I wonder what you will agree to do for us?

Third-year students, aided by their tutor, Brita von Schoenaich, were given the opportunity to have their landscape design projects constructed as part of the 'Go Wild' festival at Kew, which celebrates biodiversity in the United Kingdom. The designs of John Evans, Fumiko Ishizuna, Andrew Luke, Bob McMeekin, Rossana Porta, and Mark Ward were chosen for construction. These have proved very popular with the public, and we are grateful for the generous support of the SITA Environmental Trust for these gardens.

As well as the Kew Diploma, the School of Horticulture also administers the Internship Programme of three months' work experience in the gardens. This year, we have had the highest number of interns ever – 41 – from all five continents. Alex Henderson, School of Horticulture staff member, successfully arranges a course of studies, in addition to the work experience that they gain in the gardens. This now provides a very useful source of recruitment onto the Kew Diploma. The Practical Training Co-ordinator, Martin Stanforth, aided by his assistant Linda Pilgrim, apart from arranging specific practical training for Kew Diploma students and staff, also organise the three-year paid Rotational Training Programme for new entrants into the industry. This is now leading to progression onto the Kew Diploma with two trainees transferring so far. I wish to pay tribute to their work as well as the other School of Horticulture staff, especially Barbara Hanson and Pam Black, now joined by our new volunteer, Francis Tidiman, and Volunteer Coordinator, Belinda Parry, who is based in the School. They all work tirelessly to give the highest standards of care to our students and interns. I am very fortunate to have such an outstanding team around me.



Course 38 on Prize Day with, (front row, left to right): Dr. Jenny Tonge, MP for Richmond, Valerie Finnis, V.M.H, The Merlin Trust, Alan Titchmarsh, M.B.E, V.M.H., Guest of Honour, Professor Peter Crane, F.R.S., Director, Allan Hart, President, The Kew Guild, Councillor Nicola Urquhart, The Mayor of Richmond and Ian Leese, Principal, School of Horticulture.

Finally, on behalf of the whole organisation, I must thank all of Course 38 who are leaving us today, for the immense contribution that each of you have made to Kew during the past three years. In spite of all the weeding, edging, mulching and watering, you have remained a good-humoured group, fun to be with, supportive of each other and of Kew. You have been excellent ambassadors for us both at home and abroad.

We wish you all success in the careers you have chosen. Three of you – Tom Coward, Andrew Luke and Rossana Porta – join the staff at Kew. Four of you have positions overseas – Aaron Bertelsen in Jerusalem, Tina Chillingworth in Australia, Emma Lochner in Barbados, and Bob McMeekin in Italy. Two of you are going into landscaping – John Evans in Oxfordshire, and Chie Hattori in London. Rowan Blaik joins English Heritage. Mark Ward goes to the Henry Doubleday Research Association, while Mike Whatmore has gained a Training Officer position for Newcastle City Council.

Kew will always remain open to you as a resource, and we encourage you to keep in touch with us through the membership of the Friends of Kew and the professional fellowship of the Kew Guild. Above all, in whatever you do, we ask that you uphold Kew's mission which is: 'to ensure better management of the Earth's environment by increasing knowledge and understanding of the plant and fungal kingdoms – the basis of life on earth.'

PRESENTATION OF KEW DIPLOMAS AND PRIZES 2003

(Course 38)

We begin with the presentation of Kew Diplomas and prizes to third-year students of Kew Diploma Course 38. Thanks must go to all sponsors of our prizes, many of whom are in the audience today. In particular, I must thank the Kew Guild, whose President, Mr. Allan Hart, is on the platform. The Guild, an association of past and present Kew staff and students, give several awards today, as well as in excess of £5,000 towards travel scholarships. Thanks should also go to the Friends of Kew whose gift of a year's free membership to each of our graduates will help them keep in touch. The Merlin Trust, the Royal Horticultural Society, the Bentham Moxon Trust, and the Studley College Trust have all given funds to our students and Kew staff this year.

AARON BERTELSEN

The British Friends of Jerusalem Botanical Gardens Scholarship for a third-year placement at the garden in Jerusalem, as well as a further year's scholarship in Jerusalem beginning this autumn.

The Lecturers' Prize, donated by Drs. Philip Cribb and Nicholas Hind of Kew's Herbarium, to the student gaining the highest mark for their Systematic Botany project.

The Worshipful Company of Gardeners' Prize, awarded by the City of London Livery Company, to the person who has done most for the Royal Botanic Gardens, Kew during the course.

Kew Diploma Credit grade.

ROWAN BLAIK

The Dummer Memorial Prize, sponsored by the Kew Guild, for the best Plant Portfolio project.

Life Membership of the Students' Union for services rendered as Vice-President over the past year

Kew Diploma Credit grade.

TINA CHILLINGWORTH

The International Plant Propagators' Society Student Award for the top Plant Propagation project.

Kew Diploma Credit grade.

TOM COWARD

The Donald Dring Memorial Prize, sponsored by the Bentham-Moxon Trustees in memory of a former mycologist of Kew's Herbarium, for the student attaining the highest marks in the Crop Protection project.

Kew Diploma Credit grade.

JOHN EVANS

The Metcalfe Cup, donated by the late Dr. Metcalfe, a former Keeper of Jodrell Laboratory, to the student attaining the highest second-year examination marks.

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The Kingdon-Ward Prize, given by Winifred Kingdon-Ward in memory of her brother, Frank, a noted plant collector, to the student attaining the highest marks in their final-year Dissertation.

The George Conrad Johnson Memorial Prize, administered by the Bentham-Moxon Trustees on behalf of the magazine *'The Grower'*, in memory of an ex-Kewite. The prize is for the best overall performance on the Kew Diploma course.

The Worshipful Company of Gardeners' Prize, donated by the City of London Livery Company, which also recognises the top student position.

Kew Diploma Honours grade.

CHIE HATTORI

The Kingdon-Ward Prize, given by Winifred Kingdon-Ward in memory of her brother, Frank, a noted plant collector, to the student attaining the highest marks in their final-year Dissertation.

The Plant Identification Tests Prize, donated by the Students' Union, to the person with the highest marks overall in these tests.

The F. Nigel Hepper Cup presented by a Kew botanist with a long association with the Kew Diploma course. Mr Hepper has asked that the cup be given in recognition of the highest achievement in plant identification assessments.

Kew Diploma Honours grade.



Kew Diploma Course 38 Prize Day showing all the Diploma and Prize-winner. Front row (from left to right): (standing) Deputy Janet Owen, Master, The Worshipful Company of Gardeners, Pam Black, School of Horticulture staff, Ian Leese, Principal, School of Horticulture, (sitting) Dr. Jenny Tonge, MP for Richmond, Valerie Finnis, V.M.H., Kew Medal winner, Alan Titchmarsh, M.B.E., V.M.H., Guest of Honour, Professor Peter Crane, F.R.S., Director, Allan Hart, President, The Kew Guild, Councillor Nicola Urquhart, The Mayor of Richmond, Vivien Munday, Kew Medal winner, (standing) Dr. Iris Turner, Kew Medal winner, Dr. Nigel Taylor, Curator and Barbara Hanson, School of Horticulture staff.

FUMIKO ISHIZUNA

The Kew Guild Individual Study Prize for the person attaining the second highest marks in their third-year Dissertation.

The Squire's Garden Centre Prize, donated by the local garden centre, for the most appropriate and imaginative use of plants in the final-year landscape design project, one of the constructed 'Ideas Gardens'.

The Landsman's Bookshop Prize, and *The Paul Temple Prize*, sponsored by the international landscape designer, for the best overall performance in landscape design

The Matilda Smith Memorial Prize, sponsored by the Kew Guild in memory of a botanical artist at Kew, and given to the best practical student overall.

The Fred Larkbey Cup, sponsored by Mr. Graham Larkbey in memory of his father who worked at Kew for 23 years as foreman in charge of all the extensive areas of bedding plants. Mr. Larkbey has asked that the Cup be awarded annually to the best practical student each year.

Kew Diploma Honours grade.

EMMA LOCHNER

The British Friends of Jerusalem Botanical Gardens Scholarship for a third-year placement at the garden in Jerusalem.

The Peter Cantor Memorial Prize donated by Vivien Cantor, in memory of her husband, to the person who has done most during the course to make the desert bloom productively – in this case during her time in Israel.

The Rotary Club of Kew Gardens Vocational Service Award, presented by the local Rotary Club to the person who has done most for charity. This involved raising money for the charity 'Hope Worldwide' which works with children in Asia.

The Ernest Thornton-Smith Travelling Scholarship which is the major final-year travel award, presented by the Trustees of the Thornton-Smith and Plevins Young People's Trust, to allow a Kew Diploma graduate to travel overseas. The trip will be to Barbados to work with the Barbados National Trust.

Kew Diploma Credit grade.

ANDREW LUKE

The Prize for the Best Vegetable Plot, donated by the Kew Guild to the student obtaining the highest marks in this practical first year project.

'The Kew Gardener' Arboricultural Prize, sponsored by Matthew Vincent, a Kew Diploma graduate, and proprietor of 'The Kew Gardener', situated next to Kew Gardens Station, for the person who came top in the examination of that second-year subject.

The Kew Guild Individual Study Prize for the person attaining the second highest marks in their third-year Dissertation.

Kew Diploma Honours grade.

BOB McMEEKIN

English Nature Prize donated by English Nature to the 'Ideas Garden' demonstrating the best in landscape design and promoting UK biodiversity

Kew Diploma Credit grade.

ROSSANA PORTA

The C.P. Raffill Prize, donated by the Kew Guild to the winner of the Kew Mutual Improvement Society's student lecture competition.

Kew Diploma Credit grade.

MARK WARD

The Mike Bracegirdle Prize for Ecology and Conservation, for outstanding results in these subjects, and donated by the main lecturer of the courses.

Life Membership of the Students' Union for services rendered as Treasurer during the past year.

Kew Diploma Honours grade.

MIKE WHATMORE

'The Kew Gardener' Arboricultural Prize, a joint award this year, for the person who came top in that subject.

The Proudlock Prize, donated by the Kew Guild, to the runner-up in the Plant Portfolio project.

The George Brown Prize, also from the Kew Guild, in memory of a former Assistant Curator, to the runner-up in the Kew Mutual Improvement Society's student lecture competition.

Life Membership of the Students' Union for services rendered as President over the past year

Kew Diploma Honours grade.

JOE BYRNE

Third-year members of the Students' Union also wish to recognise the valuable contributions of two staff members in particular during their time here. Accordingly, *Life Membership of the Students' Union* is awarded to Joe for multiple help given to the group, especially for allowing his rugby club to be used for parties

STEWART HENCHIE

The same award is made to Stewart Henchie in recognition of being the Kew staff member accompanying the group on their two-week fieldtrip to Spain in the third-year along with the staff and students of the University of Reading.

That concludes the presentations relating to the third-year students. We turn now to the youngsters in the second year.

MARCELLA CORCORAN

The David Dalziel Travel Scholarships are donated by Mr. Dalziel, who lives in Florida. Marcella is the first winner and she went on a study tour to Limbé Botanic Garden in Cameroon.

LOUISE DANKS

The next winner of one of the *David Dalziel Travel Scholarships* is Louise Danks who joined a fieldtrip to observe **orchids** growing in the wild and commercially in Ecuador.

She is also the joint recipient of the *Sir Joseph Hooker Prize*, as joint-Chair of the Kew Mutual Improvement Society. This prize is presented by the Director in memory of his famous predecessor.

HELI MARKKOLA

Heli is unable to be with us today, because she is in India studying the sustainable use and conservation of **sandalwood**.

She is also the recipient of *The Margolas Study Tour Award*, provided by the Margolas Trust to help with the costs of her travel.

CARL POOLEY

Another winner – Carl – is scheduled to travel to the Philippines, political stability permitting, to study the **jade vine** in the wild.

RIEKO TAKARADA

Reiko is the final winner and she travelled to the USA to study the role of volunteers in American botanical gardens.

PORTIA BOSCH

Portia is one of two second-years to receive a *Kew Mutual Improvement Society's Prize*. She was awarded this for doing most for the Society in the position of Secretary.

MARTIN HAMILTON

The other is Martin, who is also the other joint-winner of the *Sir Joseph Hooker Prize*, as joint-Chair of the Kew Mutual Improvement Society. The prize is augmented by a cup donated by Mrs Hazel Hyde who retired as Administrative Officer of the School of Horticulture in 1993.

HAZEL SABEY

This year Hazel is the winner of the *Professor Keith Jones Cup*, which is donated by a former Keeper of Jodrell Laboratory to the person who has given the best 'item of interest' talks to the Society. Hazel is a Friend of Kew who attends and contributes to the meetings on a regular basis.

HELOISE BROOKE

Two prizes are available for first-year students, and Heloise has won them both. Donated by one of our lecturers, the *Tom Reynolds Prize for Plant Biochemistry and Physiology* is awarded to the person obtaining the highest marks in this subject. *The Institute of Horticulture Prize*, sponsored by the Institute, is presented to the person with the best overall performance in the first year.

TONY HALL

Gardens staff of the Horticulture and Public Education Department, of which the School of Horticulture is a part, have benefited in recent years from the *John Scott-Marshall Travel Scholarships*. These are available from a bequest of Mr. Scott-Marshall who was a former editor of *Gardeners' Chronicle*. This year Tony, a staff member from the Arboretum, made a study tour to Spain and Portugal to increase his knowledge about native Mediterranean plants to support future displays of the same genera in the King William's Temple area at Kew.

LARA JEWITT

Three staff from the Great Glasshouses and Training Section made separate trips relating to their own work positions. Lara accompanied second-year student, Louise Danks, on her trip to Ecuador to study orchids.

JOHN SITCH

The second, John Sitch, visited the USA to study the cultivation of **palms** and **cycads**, and re-introduction work in Florida.

PALOMA MALAXECHEVARRIA.

Finally, Paloma made a trip to Greece and Cyprus to learn about terrestrial **orchids** growing in native Mediterranean habitats.

That concludes the presentation of Kew Diplomas and prizes. I will now hand over to the Director to read the citations for the award of the Kew Medal.

KEW GUILD AWARD SCHEME RAFFLE 2003

The Kew Guild is very grateful to all the purchasers of the tickets for the raffle, which was drawn on 6th September 2003. Approximately £1,700 was raised and this will help to support student travel and continuing professional development for our members.

Prize winners:

Botanical painting by Lesley Greenwood. Pen and Jill Kent, East Sheen.
Holiday Autos £250 car hire voucher. Peter Hollet, Hern Island, Channel Isles.
Friends of Kew – year's membership. Hayden Bell, Hull.
Kew – A World of Plants. Jill Cowley, Malvern.
Kew – A World of Plants. Wendy Gladman, Kew.

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Kew calendar, diary and notebook. Mrs Dickie, Dumfriesshire.

Kew calendar, diary and notebook. Mr. and Mrs Elton, Wolverhampton.

Century of Kew Plantsman. Robin Bletsoe, St Ives, Cambridgeshire.

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Century of Kew Plantsman. Irene Kirk, Derbyshire

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Chairman of the Award Scheme, Allan Hart draws winning ticket.

THE KEW GUILD AWARD SCHEME: REPORT FOR 2003

by Allan Hart

The Award Scheme sub-committee for 2003 comprised: Annabel Chantler (Hon. Secretary), Rebecca Bower (Hon. Treasurer), Susyn Andrews, David Barnes, Mark Budger, Emma Fox, Mark Pitman and Katie Steele, with Marcella Corcoran and John Evans as student representatives.

Annabel resigned as Secretary at the July meeting, as she was to marry and emigrate to Argentina. We all wish her well in both ventures. Ian Leese (Vice President of the Kew Guild) gallantly agreed to take on the role, in an acting capacity, until Mark Pitman who is currently establishing his business, is ready to take up the post in a couple of years.

The new application form is a great success and makes it somewhat easier for the Committee to reach its decisions. A total of £4,970.00 was available for awards in 2003. The number of applications continues to rise – 16 this year, of which 10 were given a grant. It was particularly pleasing to make awards to two long established members – Kenwyn Pearson and Tom Risely. So to all of you out there – keep the applications rolling in!

AWARDS 2003

Ruth Bone	MSc. Bio-diversity of Plant Taxonomy	£450
Portia Bosch	Study tour Rodrigues/Mascarene Islands	£400
Arnold		
Marcella Corcoran	Plant propagation studies – B.G. Cameroon	£300
Dallimore		
Heli Markkola	Study tour – Southern India	£600

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Dallimore		
Kenwyn Pearson	Study tour – gardens of China	£1,000
Alex Piddington-Bishop	B.Sc. Arboriculture	£200
Dallimore		
Tom Risely	Study tour – commercial and botanical horticulture – Costa Rica	£450
Rieko Takarada	Research into role of volunteers in BGs – USA	£300

The mid year allocation of funds, held on 1st July 2003, awarded grants to:

Queline van der Merwe	Global summit – medicinal plants – Mauritius	£500
Tina Chillingworth	Internship – Parks Victoria, Melbourne	£500
TOTAL FUNDS ALLOCATED FOR THE YEAR		£4,700

The first Kew Guild Award was made in 1976 and to the present day, £60,220 has been awarded for 205 successful applications to 185 individuals. It is regretted that less than 50% of those who have received such generous support from the Guild have retained their membership.

The Chairman continued to raise funds with his 2002 - 2003 Appeal, with the following results:

GUILD MEMBERS

Margaret Benham

Stephen Bristow

Emil Long

Members Total: £95.00

LANDSCAPE INDUSTRY

GERMAN NURSERIES

Lorenz von Ehren GmbH

Bruns Pflanzen

Beterams Baumschulen

Worlein GmbH

FRIENDS AND COLLEAGUES

Diana Armstrong Bell – Landscape Architect

Rober and Christine Chesshyre

Mike and Betty Earle

Friends and Colleagues Total: £45.00

NEIL AND SHEILA GILMORE 'S

DIAMOND JUBILEE

Mr. and Mrs. Platts

Margaret Vardy

Sylvia Tongue

Janet McGurk

Mr. and Mrs. Stones

Mr. and Mrs. Lewis

Mr. and Mrs. Havenham

Anonymous donation

Landscape Industry Total: £380.00 Diamond Jubilee Total: £300.00

A raffle was also organised – see report on page 209 – which raised an additional £1,800. All the money is invested and the annual interest funds the Awards each year. Donations from whatever source will be most welcome.

Finally I would like to thank all the Committee members for their insight and professional expertise in assessing the merits of the various projects throughout the year.



Jim Cable

Vicky Davies

Rory Dusoir

Lucy Hart



Phil Kennedy

Carlos Magdalena

Irina Noack

Tom Price



Sara Redstone

Christopher Ryan

Jeeun Song

Masaya Tatebayashi



Keiko Uyama

COURSE 41



Jim Cable

Vicky Davies

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Lucy Hart



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Sara Redstone

Christopher Ryan

Jeeun Song

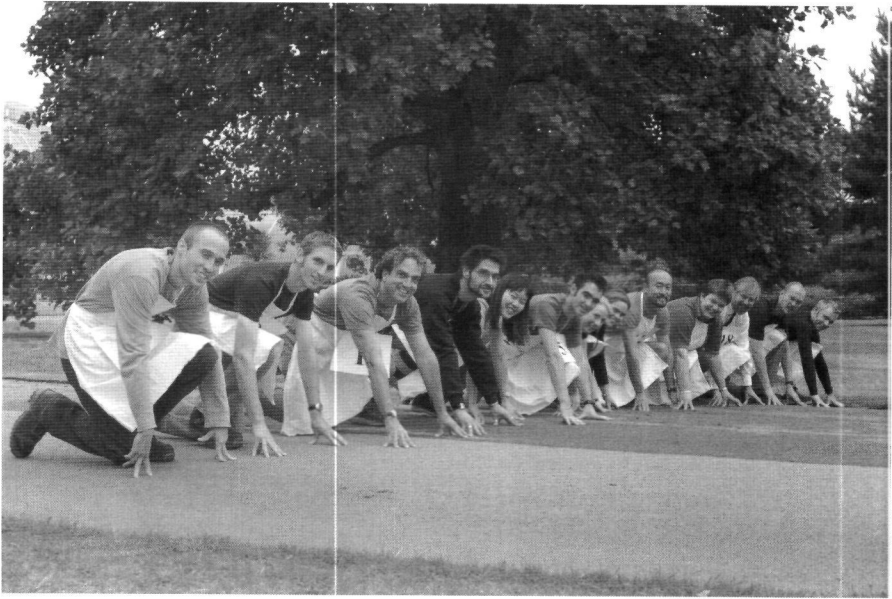
Masaya Tatebayashi



Keiko Uyama

COURSE 41

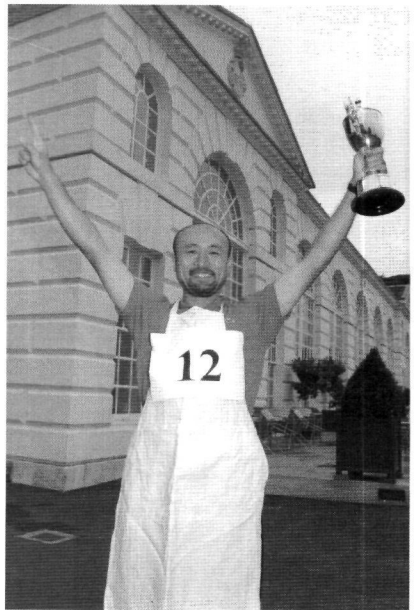
THE CLOG AND APRON RACE 2003



Above: the Kew Diploma Course 41 students lined up at the start of the annual Clog and Apron Race.

Right: the winner, Masaya Tatebayashi from Tokyo, Japan, celebrating his victory.

Below: Masaya Tatebayashi receiving the cup from Professor Peter Crane, the Director, with the Course 41 students in the background.



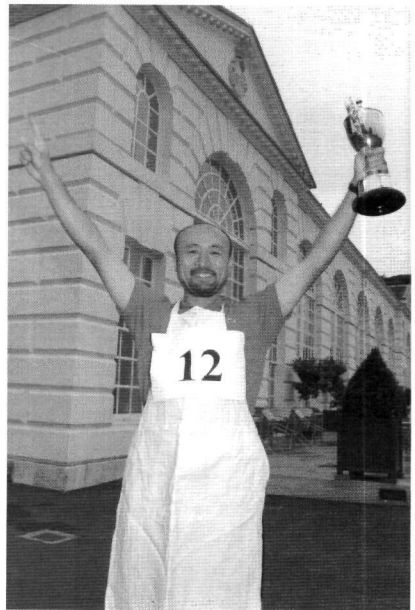
THE CLOG AND APRON RACE 2003



Above: the Kew Diploma Course 41 students lined up at the start of the annual Clog and Apron Race.

Right: the winner, Masaya Tatebayashi from Tokyo, Japan, celebrating his victory.

Below: Masaya Tatebayashi receiving the cup from Professor Peter Crane, the Director, with the Course 41 students in the background.



M.Sc. HORTICULTURE, READING

By Frank Emmerich

In October 2002, I started the one-year M.Sc. course in Horticulture at Reading University. Thanks to the generous contribution of the Kew Guild I was able to cover a part of my tuition fees.

The School of Plant Sciences at the University of Reading offers a full time M.Sc. program of 12 months duration, consisting of two terms of taught modules. Final exams are after Easter time, which are then immediately followed by a three to four month supervised project involving original research. The work is presented as a thesis towards the end of the summer.

According to the programme's literature, "The M.Sc. programme provides advanced instruction in horticulture, as preparation for a career in any aspect of the subject, including specialisation in crop production (temperate and tropical), crop protection, amenity horticulture and therapeutic horticulture. Emphasis is laid on environmentally desirable production methods."

The option I chose was crop protection that focused on Integrated Pest and Disease Management (IPDM) strategies. Students of this option were partly lectured and supervised by Professor Chris Payne, who some of you may know as a Trustee of RBG Kew. A number of compulsory courses are attended by all horticultural M.Sc. students and include Principles of Horticulture, Organic and Sustainable Horticulture, Quality Management and Nursery Stock Production. The latter two were taught by Mr. Martin Emmett, who also lectures greenhouse technology on the Kew Diploma Course.

The topics covered in the crop protection option included: Pests and Diseases of Horticultural Crops, Biology of Plant Pathogens, Applied Entomology and Plant Pathology I and II, Practical Pest Management, as well as Introduction to Crop Pathology. Beside the usual range of compulsory modules, I attended lessons in Entomology, Arboriculture and Spanish for Beginners.

Practicals and seminars given by students are an important part of the course and gave me opportunities to investigate further into a more specific topic. An introductory programme in statistics was offered and training in computing was available. Those provided essential tools for the analysis of data generated during the research project. The different courses were all arranged in a strict timetable but there were often gaps that could be filled with additional lectures (subject to availability), even if they were not part of the actual program. In general, there was a degree of flexibility in each option, as long as students attend an agreed number (11 in my case) of both compulsory and optional modules.

There was very mixed and diverse crowd of a dozen students and my student fellows originated from countries all over the world.

Visits to commercial and research establishments form an integral part of the programme. Sites visited ranged from commercial growers, to garden centres,

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Visits to commercial and research establishments form an integral part of the programme. Sites visited ranged from commercial growers, to garden centres,

research institutes and botanic gardens. These were supplemented by a field programme in which we undertook a tour to horticultural places in the region around Malaga, Spain. The horticulture of Andulacia is highly productive and one of Europe's most successful examples of agricultural development, a feat which has been achieved by the establishment of vast areas covered by the "plasticulturas" – flimsy poly houses. With an interesting range of visits to places such as the Alhambra, botanic gardens, horticultural research institutes, pack houses and commercial growers, it is only true to say that the one-week excursion formed the highlight of the course. Not to forget the very tasty food and wine but also the astonishing landscape sceneries and the exciting flora of Spain's southernmost province.

For my thesis I was offered a research opportunity in collaboration with Horticultural Research International (HRI) at East Malling/Kent. The laboratory based experiments were part of a DEFRA-funded project on investigating into alternative pest management strategies of primary apple pest. The following specific objectives formed the experimental programme:

Development and evaluation of a laboratory bioassay method to measure the susceptibility of greenhouse-reared and field-collected rosy apple aphids (RAA) to four commercial myco-insecticides (Vertalec, Mycotal, BotaniGard, Naturalis).

Development and evaluation of a laboratory bioassay method that investigates disease development, dose response and the effect of different relative humidity (RH) on aphid mortality while comparing the efficacy of two myco-insecticide products of different dilutions on insets from field-collected leaves.

A first series of bioassay experiments was conducted to compare the efficacy of myco-insecticides containing virulent strains of *Verticillium lecanii* (Mycotal and Vertalec) and *Beauveria bassiana* (Botanigard and Naturalis) on RAA. The method included the use of apple leaves removed directly from field/greenhouse, minimising aphid handling. In general, susceptibility to entomopathogens was highest on glasshouse-reared RAA with infection levels of 97% (Mycotal) and 58% (Botanigard). RAA taken from field showed consistently lower levels of susceptibility with maximum mortality rates of 89% (Mycotal) and 53% (Botanigard). Entomopathogenic strains of the mycoinsecticides Vertalec and Naturalis displayed lower efficacy on RAA from both cultures.

The second bioassay compared the efficacy of different dosages of Botanigard and Mycotal on RAA from field-collected leaves under three different RH levels (100, 85, and 65%). With both products and under all three different RH, fungal infection was highest when full dosage rates were applied. The highest infection level caused by Mycotal was obtained at full rate under 65% RH. The highest mortality caused by Botanigard application was obtained at full rate under 85% RH. Equally high numbers of infected aphids were observed at full rate and under 65% RH. Results indicated that a high insect mortality due to fungal infection is more dependent on the concentration of the product than on the different levels of RH during the infective process. Following the actual experiments and data analysis I had to produce a written thesis which marked the end of the M.Sc. course.

The M.Sc. course itself gave me some very enlightening moments and I had great fun taking part in the program. Above all I was able to expand my horticultural horizon and I gained some very interesting insights into alternative pest and disease management strategies. I realised that the consideration of ecological principles and the often under estimated antagonistic activity of insects and fungi can become a vital tool for the successful and pesticide-free cultivation crops. In September 2003, I graduated with a distinction as the best student of my year.

BHUTAN

by Jessica Beghan

I graduated from the Royal Botanic Gardens Kew Diploma in Horticulture course in 2002, clutching a whole host of prizes including the Ernest Thornton-Smith Travel Award for world travel, worth £2,000. The Kew Guild generously added to this, along with some others and I firmed up my plans to return to Bhutan to learn more about everything Bhutanese, my heart having been captured during my previous trip in May 2001.

I set out in October for three months aiming to continue the development work in the Royal Botanic Garden in Serbithang and to give training to the staff in plant propagation and transplantedation. I was also to travel extensively within the country to visit as many plant based projects as possible, and observe and record flora of different altitude ranges and ecological climates.

Arriving at Paro airport my heart and eyes filled with the joy of seeing the mountains again, and the feeling that I had returned to the one place I felt at home. I settled in remarkably quickly and it was really good to see friends I had remained in contact with by email and to catch up with the work in the Garden. I could see the efforts they had made, and was overjoyed that they had been putting some of the skills I had sent by email into practice and were getting a far higher success rate with the transplanted trees (from around 10% to a remarkable 80%). We began to outline work that I would be involved with, and a schedule to include my travelling elsewhere in the country.

My first big adventure was accompanying visiting delegates from the UK Bhutan Society on a trek through the Gange Valley, and after that I spent the majority of December on the road. This was the first of many journeys, but included visits to the landfill site, several Regional Natural Resource Research Centres (RNRRCs), and an in-situ **rhododendron** conservation project, and took me to the far east of the country to Bomdeling Wildlife Sanctuary, where I found another Botanic Garden in the making. In fact there are four Botanic Gardens in Bhutan, including a mini one in Trongsa, an area which is renowned for its **orchids** and snakes, and one in the sub-tropics of Lingmenthang.

From this trip to the east one of the things I learned about was the **lemon grass** industry. *Cymbopogon citratus* grows wild all over the place, and is a wonderful plant to be making money from as it only needs to be cut, and not pulled up. The

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extraction of essential oil used to be performed in the factory at Kurizampa, but is now carried out by the locals, who collect the grass, then carry out the oil extraction at the side of the road in basic distillation units that are there for everyone to use. They leave the containers at the roadside, which are collected, taken to the disused factory and sold on from there.

The RNRRCs are also impressive, each having its own topic of responsibility (temperate fruit trees, livestock, etc.), as well as shared topics, such as trialling different growing methods of crops to reduce pests and diseases. As they are all in different areas and at different altitudes they cover a wide and varied range of research out that is then shared amongst all the farmers in the country. These research centres are led by the farmers' wants and needs, and directed by the district leader. One project was to find out which crops could be grown at a high altitude so that the school children in Lingshi (four days walk from the road) could have a more varied diet, the surplus being sold to trekking groups giving revenue to the local community.

I don't know who learned more in the training sessions, but we had a lot of fun, and got very dirty! Most of the propagated plants survived, and the sessions out in the field interested me most. The work in the Garden went well. The arboretum was designed, trees collected and planted with paths to be put in later, polytunnels restored, windbreak constructed to protect the Orchid House, all other areas progressing and systems in place for selecting plants for other areas.

The Director and his staff were fantastic, and I was looked after very well. I eventually left Bhutan in May 2003, having been invited to extend my stay to see the main collection period through and give further training to the staff. I had a wonderful time, and learned so much, so thank you to the Kew Guild for their contribution to this journey.

TRAVEL SCHOLARSHIP TO SOUTH INDIA: STUDY OF SANDALWOOD (*SANTALUM ALBUM*)

by Heli Markkola

In August 2003, I was fortunate to undertake a travel scholarship to India with the help of the Kew Guild among others. The main aim of the tour was to investigate the sustainable use and conservation of **sandalwood** in the Karnataka State, Southern India. I also had planned to study the vegetation and medicinal plants of the area.

The trip started with a few days in Pune to visit an ayurvedic medicine factory and learn about the use of plants in this very old tradition. The stay in Pune was unforgettable thanks to the warmth of the people met on the tour.

The following and main part of the scholarship was to take place in and around Bangalore, where **sandalwood** naturally grows. This modern city surprised me after the relaxing time in Pune, but soon I got used to travelling in the autorikshas and bargaining for each purchase.

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The RNRRCs are also impressive, each having its own topic of responsibility (temperate fruit trees, livestock, etc.), as well as shared topics, such as trialling different growing methods of crops to reduce pests and diseases. As they are all in different areas and at different altitudes they cover a wide and varied range of research out that is then shared amongst all the farmers in the country. These research centres are led by the farmers' wants and needs, and directed by the district leader. One project was to find out which crops could be grown at a high altitude so that the school children in Lingshi (four days walk from the road) could have a more varied diet, the surplus being sold to trekking groups giving revenue to the local community.

I don't know who learned more in the training sessions, but we had a lot of fun, and got very dirty! Most of the propagated plants survived, and the sessions out in the field interested me most. The work in the Garden went well. The arboretum was designed, trees collected and planted with paths to be put in later, polytunnels restored, windbreak constructed to protect the Orchid House, all other areas progressing and systems in place for selecting plants for other areas.

The Director and his staff were fantastic, and I was looked after very well. I eventually left Bhutan in May 2003, having been invited to extend my stay to see the main collection period through and give further training to the staff. I had a wonderful time, and learned so much, so thank you to the Kew Guild for their contribution to this journey.

TRAVEL SCHOLARSHIP TO SOUTH INDIA: STUDY OF SANDALWOOD (*SANTALUM ALBUM*)

by Heli Markkola

In August 2003, I was fortunate to undertake a travel scholarship to India with the help of the Kew Guild among others. The main aim of the tour was to investigate the sustainable use and conservation of **sandalwood** in the Karnataka State, Southern India. I also had planned to study the vegetation and medicinal plants of the area.

The trip started with a few days in Pune to visit an ayurvedic medicine factory and learn about the use of plants in this very old tradition. The stay in Pune was unforgettable thanks to the warmth of the people met on the tour.

The following and main part of the scholarship was to take place in and around Bangalore, where **sandalwood** naturally grows. This modern city surprised me after the relaxing time in Pune, but soon I got used to travelling in the autorikshas and bargaining for each purchase.

The Forest Department of the Karnataka State helped to arrange the itinerary, since all visits to **sandalwood** areas needed a permit. **Sandalwood** is the most prized oil in the world, used as a perfumery base. The wood and oil of **sandalwood** has various medicinal qualities, and are used in religious offerings and as incense and carvings. The use of **sandalwood** dates back thousands of years, being an important part of Indian culture. **Sandalwood** has been tightly under government control since Tipu Sultan declared it a royal tree in 1792, but the source is now dwindling due to unsustainable harvesting and the extent of illegal logging. Other problems include forest fires, spike disease and grazing.

The itinerary included visits to the Institute of Wood Science and Technology, which has carried out extensive research of **sandalwood**, Mysore soap factory, and visits to University of Sciences, University of Agriculture and conservation organisation ATREE. Mr. Anantha Padmanabha, who co-ordinated my visits, provided plenty of information on various aspects of **sandalwood** from his long research and trade experience. From Bangalore I travelled to Mysore, which is known as the **sandalwood** city. There I made visits to a **sandalwood** oil distillation factory, **sandalwood** depot, nursery, plantation, natural regeneration, and a **sandalwood** carvers' village.

After Mysore, I spent few days on the Western Ghats Mountains, visiting the Ponnampet Forestry College. I went for field trips to Nagarhole National Park where I could see wildlife including wild elephants, and to Brahmagiri Wildlife Sanctuary to learn about the different vegetation types, although all I could see were the leaches crawling up my feet! But after the hard climb up the mountain it was enjoyable to freshen in a cool waterfall, until I was told there are leaches in the water as well.

The travel scholarship exceeded any of my expectations and I thoroughly enjoyed it! All the contact people were extremely helpful and I gained a lot from this tour: for example I learned nursery techniques of this semi-parasitic tree, made many contacts and brought back samples for the research use of the Jodrell Laboratory in Kew. But I did not only learn about **sandalwood** but also about the Indian culture and the depth of it. I came back with peace in my heart, wishing to be able to continue what had only been the start. I would like to thank Kew Guild for providing this opportunity for me!

BOTANICAL TRIP TO BEIJING

by Kenwyn Pearson

To fly to Beijing, the capital of China, on 13th April 2003 was something that I could not have even contemplated three years before, as I began a two month stay in hospital and started a rehabilitation exercise which kept me off work for nearly two years and will probably always prevent me from returning to full time employment.

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of pollution and some times the sun hardly appeared to get through the barrier: it was difficult to determine whether the people wearing masks were trying to prevent spread of SARS, or whether they were trying to prevent pollution from entering their respiratory systems. The number of people in all areas leaves an indelible impression and one always thinks that you are seeing the entire population, some 1.3 billion, every time you travel out of your hotel.

The planting of trees in the urban areas is outstanding, though the methods employed in pruning, leave you speechless. The central reservations on all major roads are planted with **box, privet, *Euonymus*, *Berberis* and roses**. It is quite a sight as one travels through the various provinces, and one feels that they may have something to teach us at home in these areas, where our westernised expensive bureaucracy prevents such initiatives!

To go to China and not see The Great Wall and the Terracotta Army would be unforgivable. We also saw Beijing in reasonable detail spending best part of a day in the Forbidden City and Ming Tombs, but we did spend a considerable time in the Botanical Gardens of Beijing and it was a pleasure to be shown details of the garden and its support areas by an ex-Kew student Dr. Jin. The plant collections and range of species were immense and it proved a real treasure.

After the fragrant hills and Beijing Botanic Garden we saw Tiannemen Square and the Forbidden City and onto Qujiang Chunxiao garden and on the way to Kunming we visited the Terracotta Army and had a full day visit to Kunming Botanical Gardens. We did five internal flights and lots of coach journeys on roads that left much to be desired, and the repair techniques were illuminating! In Xishuanbanga we visited the Menglun Botanical Garden and Institute. Via Buddhist temples and pagodas we visited the Botanic Garden in Shanghai and we went to the Gardens in Souzhou. The visit to Dragon Tea Plantations was stunning and makes me think when I drink tea, from China! The Hangzou Flower Nursery was spectacular with bonsai trees which made any display I had ever seen in this country, amateur by comparison.

The flight home was long from Shanghai to Heathrow, but what a trip! I made some superb friends and contacts which have developed since returning to UK: I have established a contact for Kew with Shanghai Botanic Garden and am currently helping a Ph.D. Student with analysis of *Quercus* in the wild, sourcing material both at Kew and the Royal Horticultural Society. Given the opportunity I will go to China again.

GUILD RECEIVES DONATION OF GAVEL

by Allan Hart

The Guild now has a new gavel, donated with great generosity by Maureen Dumont, in memory of her husband, Theo, a life-long supporter of the Guild and its President in 1997-98. Maureen made a special visit from her home in Luxembourg, and, accompanied by her son Peter, formally handed the gavel in its presentation box, to the President, Allan Hart, at the AGM in September 2003.

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The Guild is delighted to receive such a wonderfully crafted article, and its members will fondly remember Theo every time it is used to bring meetings to order.

The gavel and its presentation box were specially commissioned by our secretary Mike Clift, from Derek Elkins, an engineer by profession, but also a dedicated photographer and inspired woodworker. The superb quality and craftsmanship can be clearly seen from the photograph, and the Guild is very grateful for this wonderful contribution.



Maureen and Peter Dumont with the new Guild gavel.

WHAT WAS THE BRITISH BOTANY CLUB?

by F. Nigel Hepper

To be President of the British Botany Club would seem to be a position of some importance, until one realises that its members were entirely Kew Student Gardeners, and 'British' indicated the wild plants of Britain as distinct from the cultivated ones of foreign origin! *The Kew Guild Journal* No.LX, page 273, published in 1956, records that at the Club's AGM on March 10th, 1955, the Director, Professor Edward Salisbury, had appointed me President in succession to Mr. Frank Ballard, the **fern** specialist in the Herbarium. A committee was also appointed to plan the year's programme. The Club's objective was to interest students in wild flora and teach them how to collect and make herbarium specimens for the annual competition. There were two cups to be won, both named after former Kewites: the Dummer Memorial Prize and the Proudlock Jubilee Prize. The name of the Club soon included reference to Kew and then dropped 'British' altogether to become the Kew Botany Club.

The Club's meetings were very informal and quite social with several evening lectures and field trips each year. The lectures were usually given by such eminent Herbarium botanists as Dr. W. B. Turrill, the Keeper, Mr. (later Dr.) C. E. Hubbard the **grass** specialist who eventually was appointed Keeper, Mr. J. P. M. Brennan, who later became Director, and Dr. N. L. Bor, the Deputy Director. Sometimes an outside lecturer would be invited, such as my former university colleague John Cannon who later became Keeper of Botany at the Natural History Museum.

Alan Cook of the Alpine Department and I each year gave a practical demonstration on the collection and preservation of plants. In those days there was no restriction on what could be collected; there were no laws and little interest in the conservation of nature, except by members of the Botanical Society of the



Left to right: Dr. Francis Rose, Dr. Ronald Melville, Dr. W. B. Turrill; Dungeness field trip 1956.

favour to such an extent that eventually the competition was for the best collection of named weeds. I also initiated an annual evening tour of the Herbarium as I found that no student had ventured inside it!

The subjects of the illustrated lectures varied considerably. They were usually on habitats such as riverside, seacoast or woodland, or groups such as **orchids** and **grasses**. These were held in the 'Iron Room' behind the original Jodrell Laboratory on the same site as the present lecture room. All the students' course lectures were held in one half of this corrugated iron building; the other half being a laboratory that included a cupboard housing the Club's own herbarium of sheets donated by former members; these were useful for identifying the newly-collected specimens during special evening sessions.

The field trips were during the light summer evenings or on Saturday afternoons. Inevitably they were local, such as along the Brentford canal, Hounslow Heath, and Kew towpath. Dr. Hubbard's evening '**grass** trip' to Queen's Cottage grounds was followed by a climb up to the top of the Pagoda from where one got a good view of the Gardens – and in those days five gas works! Syon House grounds

British Isles (BSBI). Actually, thanks to my colleague and mentor, Edgar Milne-Redhead, I joined the Conservation Committee of the BSBI which sought to stem the depletion of wild flora that was taking place (little did we realise how the depletion would escalate in the near future as industrial farming gathered pace). All the same, we urged the students not to collect vulnerable groups such as **orchids** and to concentrate on making good specimens out of common species. This policy gained



The old Iron Room where the students' lectures were held for many years, until its demolition in 1962. On its site, behind the Jodrell Laboratory, is the present Lecture Theatre which was opened in 1965. Photo courtesy of F. Nigel Hepper, January 2nd 1962.

was an additional locality I introduced as the Duke of Northumberland's ornithological brother had been a colleague of mine at King's College, Newcastle. This was before the garden centre was built and the whole estate was remarkably rural; we were given the gate keys to wander where we liked, including the water meadows with huge free-range pigs. Access did not include the other farmland, according to the tenant farmer who shooed us off. Unfortunately, he arrived just as an eminent Dutch botanist accompanying us twisted his knee and we had to carry him to the bus.



Left to right: Trevor Elton, Allen Paterson, Nigel Hepper, Jim O'Shea; Dungeness field trip 1956.

One Saturday, in alternate years, **orchids** were searched for at Sittingbourne, followed by cream tea at the home of Mr. and Mrs. George Catt who later went to Australia. Box Hill was visited for the chalk species and Epping Forest for woodland plants.

There was an all-day trip in working time by coach to a site of botanical interest – these were sometimes approached down narrow country lanes which made the drivers apprehensive. Such sites were Wicken Fen with Franklyn Perring; Cuckmere Haven followed by tea at an ancient café in Alfriston and Milford-on-Sea with Dr. Turrill.



Left to right: Len Parker, Ray Johnson, Roy Horsfal, Ron Rule, Theo Dumont; Dungeness field trip 1956.

In 1956 I changed the latter venue to Dungeness shingle (long before the nuclear power-station was built there) because the flora was richer and more easily seen. The accompanying photographs were taken on that occasion.

At the AGM of 1960 I resigned in favour of my Herbarium colleague David Philcox. However, I did not lose contact with the students since soon afterwards I became

Honorary Secretary of the Kew Guild for eight years. Philcox continued as Chairman, rather than President, until Alan Radcliffe-Smith took over in 1964. A few years later there is no mention of the Club in the *Journal* as its aims and objectives had become immersed in the students' updated course. An official ecology course included field work which replaced the Club's trips. The prize cups, however, are still awarded.

My thanks to Leo Pemberton and Ian Leese for commenting on this note.

As Editor, I am privileged to receive correspondence from Kewites around the globe, including publications from various horticultural organisations. John O. Taylor, a student at Kew in the 1940's, is President of the Royal New Zealand Institute of Horticulture, and was kind enough to enclose a copy of its publication, the *New Zealand Garden Journal*. Among the diverse articles was this piece on the appropriateness of native plantings. At its heart is the spirit of opinionated dialog and informed debate that I believe belongs in the pages of the *Kew Guild Journal*. If you would like to have a 'last word,' please contact the Editor.

LAST WORD

by Derrick Rooney

Reprinted courtesy of J.O. Taylor and the RNZIH.

A debate continued for several weeks during the late winter in the correspondence columns of *The Press*, Christchurch. This was over the role of native plants in the future development of parks, roadsides, and riverbanks by the Christchurch City Council. It raised some important questions about the intrinsic value of our native flora, and its future role and relevance in designing and landscaping our increasingly multicultural cities and other urban areas.

Unfortunately, these questions are ethical, political, and philosophical. If they had been horticultural ones they would have been easier to dispose of.

One of them is whether we should practise ecological apartheid in public places. Advocates of this approach have been saying we should progressively replace exotic trees and shrubs in urban streets and parks with native ones, because the native flora is a unique expression of New Zealand's natural heritage. Its exclusive use would give our towns and cities a more distinctive regional flavour.

From a philosophical stance, this proposition is debatable, but defensible. As a horticulturalist, on the other hand, I see it as a sort of Henry Ford edict. It's like telling an artist to paint with any colour, as long as it is black.

There are two problems here. One is that contemporary New Zealand is increasingly a multicultural society made up of diverse ethnic groups with similarly diverse needs and aspirations. The other problem is that compared with those of many other countries in the world, the native New Zealand flora is short on diversity. At about

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1,800 species, give or take a hundred or two, the number of indigenous plants is relatively small. Introduced plants currently contribute more diversity, as we shall see later.

The natural flora does include a relatively high percentage of what botanists call endemics: that is, species that do not occur in any other country. In that sense, part of our flora is unique, but given that New Zealand is an oceanic island a very long way from the nearest continent, and the process of evolution and adaptation has been going on for a very long time, this is no more than we should expect. High levels of species endemism are a common element in the floras of oceanic islands.

New Zealand has only about 230 native trees, plus 1,500-odd native shrubs, climbers, and non-woody plants, give or take a hundred or two still undescribed species. This is a fairly small number on the world scale. Biodiversity hotspots like Madagascar or the Central American rain forests might have more tree species in a few hectares than all of New Zealand's forests. I recall discussing this very subject more than 20 years ago with a botanist recently returned from South Africa, where in one relatively small reserve, he saw more plant species than exist in the whole of New Zealand.

Many of our iconic plants attain higher levels of biodiversity elsewhere. Our forests include five species of **southern beech**, but there are another 30 in Australia, Papua New Guinea, French Polynesia and South America. The **podocarps** of which New Zealanders are so proud, reach a higher level of diversity elsewhere in the Pacific and South America. The **kauri**, perhaps our best-known forest icon, has close relatives in Australia and the Pacific Islands. Eight species of our national floral icon, the **kowhai**, grow in this country, all with yellow flowers, but in its genus, *Sophora*, about 50 more species grow elsewhere in the world, with a wider range of form and flower colour. The floristic icon of our northern coastline, the **pohutukawa**, belongs to the **myrtle** family which is common to many countries in both hemispheres. We have two species of **pohutukawa**, and maybe a dozen of its close relative, **rata**, but this level of diversity fades when compared with that of their close relatives the Australian **eucalypts**, of which there are about 700 species.

Hebe is probably our most distinctive and biodiverse woody genus, with about 100 recognised species in habitats ranging from the seacoast to the permanent snowline, plus an undefined number of undescribed species. But even **hebe** is not exclusive to New Zealand. Our three native **fuschias** include the world's tallest and the world's smallest, but floristically they do not even begin to compete with the **fuschias** of Central and South America. Perhaps the only genera in which New Zealand does out-diversify other countries are the **buttercups** (*Ranunculus*) and the **forget-me-nots** (*Myosotis*). With about 40 species New Zealand has some 10 percent of the world's **buttercups**. We have more than half the world's species of *Myosotis*. But these are not exactly street trees, are they?

Step up to a family level, and the New Zealand flora suddenly looks much less diverse. While we have plenty of endemic species, there are few, if any, endemic families.

Significantly, indigenous plant species are now heavily outnumbered by naturalised plants, of which we have more than 2,600. The rapidity with which some of these introduced plants, such as **gorse**, **broom**, **lupin**, and **nodding thistle**, have colonised huge areas suggests either that there are numerous ecological niches for which no indigenous species are available, or that many indigenous plants are poor competitors doomed to disappear anyway.

Another argument raised in favour of native plants over introduced ones on the city streets and riverbanks is that because they are indigenous they must be best adapted to the New Zealand soils and climate. If this were true, why are native species heavily outnumbered by introduced ones? Anyone who works with native plants should quickly realise the native plant species in the wild often exist at the extreme limits of their climatic tolerance. Want evidence of this? On our property, the native bush was extensively damaged last Christmas, and again in February, by unseasonable frosts. Six months earlier it had been smashed about by snow. In the next gully, **radiata pine** grew on, unharmed.

It is true that the New Zealand flora and fauna, along with the mountain, rivers, lakes, volcanoes, floods, gales, and earthquakes, are defining natural characters of this country. However, as noted earlier, New Zealand is no longer a complex of isolated, densely forested, uninhabited oceanic islands but a modern and increasingly cosmopolitan nation with diverse cultural origins. Our success in making this country's urban areas pleasant places to live in will depend on our ability to absorb and express this ethnic diversity in our landscapes. We as horticulturalists, with the plant resources of the entire temperate world to call upon, should be able to do better than we are currently doing.

It is at best misguided to attempt to convert the whole of Christchurch (or any other urban area for that matter) into a mirror image of Riccarton Bush and the forest remnants of the Port Hills. There is no good aesthetic argument to support such a campaign. The clock cannot be turned back. The little bits of primeval survivalism are very important, scientifically and historically, but I guarantee that springtime tourists leave Christchurch with stronger memories of Hagley Park's blossoming avenues of **Yoshino cherries** than of Riccarton Bush's **kahikatea** trees.

No sane person could deny that we have ethical and social obligations to preserve and restore examples of our primitive flora and fauna. But the so-called 'English' trees and shrubs (most of which originated in Europe, America, the Himalaya, or China, which is home to some 60 percent of the world's woody plants) that have been a dominant element in the parks, gardens, and streets of urban New Zealand since the middle of the 19th century also have social and aesthetic values that reflect the cultural heritage of many in the population. These too must be worthy of preservation.

Derrick Rooney is a life member of the RNZIH. He has written a booklet about native plants suitable for use in farm shelter and has had papers and articles printed

in professional and popular journals. He has written a weekly column about plants and gardening in The Press, Christchurch, since 1979. Native plants on a property that he and his wife own in South Canterbury are protected by a Queen Elizabeth II National Trust covenant, but there are pine trees in the next gully.

INAUGURAL KEW GUILD SPONSORED LECTURE GIVEN TO THE MUTUAL IMPROVEMENT SOCIETY

by Joan Woodhams

On 15th September 2003 Dr. David Cutler, the Kew Guild's new President for 2003-2004, welcomed Peter Bridgeman as the first (hopefully of many) Kew Guild speakers to kick off the Kew Mutual Improvement Society's season of student lectures with an appropriately entitled talk '*Tales of a Tree Man: what Kew Did for Me*'. This first talk, and hopefully others that follow, will encourage Kew students to join the Kew Guild, which aims to keep Kewites connected worldwide, through the Annual Dinner, the AGM, the *Journal* and various other events organised throughout the year. Following their joining the Guild it is to be hoped they will remain as members once they have left Kew, forming friendships that will continue throughout their lives.

Peter Bridgeman was one such student who joined the two-year certificate course in 1962, and remembered first speaking to the Mutual in 1963.

Starting first with a slide of Pagoda Vista, Peter said this view was an inspiration to him on starting at Kew, awakening his interest in trees. Mentioning other students who also were on his course; John Elsley, John Gaggini, Dave Halliwell, Clive Popham, Geoff Spate and John Woodhams to name a few. He then left Kew, collecting his certificate and, after discussion with Sydney Pearce (Assistant Curator), he applied for a Technical Officer post with the London Borough of Bexley where a former Kewite, Frank Eul, was Parks Superintendent. Also there was Mike Griffin, another former Kewite (later to be Chief of Parks, Brighton). As a Junior Technical Assistant, Peter was responsible for a range of duties covering carpet bedding schemes, allotments, athletic and cycle tracks and sometimes even street trees and tree planting schemes. He spent 18 months there and now realised he wanted to pursue a career in arboriculture.

In 1966 it was recommended that Peter talk with Ted Storey, another Kewite who, at that time, was the first person working with trees with the (then) Greater London Council. Peter joined Ted's team, mentioning that Hubert Taylor, another Kewite, was also working for the GLC. Peter ran the semi-mature tree planting unit and had the exciting task of installing a new tree planting scheme for the prestigious South Bank site which was part of the former Festival of Britain site during the 1950's. This, at that moment in time, was just hardcore of many layers including bomb debris from the last war. Trees were planted in 1966 and, in order for them to survive, huge 10 cubic metre pits were dug for each tree, and provided with a built-in

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INAUGURAL KEW GUILD SPONSORED LECTURE GIVEN TO THE MUTUAL IMPROVEMENT SOCIETY

by Joan Woodhams

On 15th September 2003 Dr. David Cutler, the Kew Guild's new President for 2003-2004, welcomed Peter Bridgeman as the first (hopefully of many) Kew Guild speakers to kick off the Kew Mutual Improvement Society's season of student lectures with an appropriately entitled talk '*Tales of a Tree Man: what Kew Did for Me*'. This first talk, and hopefully others that follow, will encourage Kew students to join the Kew Guild, which aims to keep Kewites connected worldwide, through the Annual Dinner, the AGM, the *Journal* and various other events organised throughout the year. Following their joining the Guild it is to be hoped they will remain as members once they have left Kew, forming friendships that will continue throughout their lives.

Peter Bridgeman was one such student who joined the two-year certificate course in 1962, and remembered first speaking to the Mutual in 1963.

Starting first with a slide of Pagoda Vista, Peter said this view was an inspiration to him on starting at Kew, awakening his interest in trees. Mentioning other students who also were on his course; John Elsley, John Gaggini, Dave Halliwell, Clive Popham, Geoff Spate and John Woodhams to name a few. He then left Kew, collecting his certificate and, after discussion with Sydney Pearce (Assistant Curator), he applied for a Technical Officer post with the London Borough of Bexley where a former Kewite, Frank Eul, was Parks Superintendent. Also there was Mike Griffin, another former Kewite (later to be Chief of Parks, Brighton). As a Junior Technical Assistant, Peter was responsible for a range of duties covering carpet bedding schemes, allotments, athletic and cycle tracks and sometimes even street trees and tree planting schemes. He spent 18 months there and now realised he wanted to pursue a career in arboriculture.

In 1966 it was recommended that Peter talk with Ted Storey, another Kewite who, at that time, was the first person working with trees with the (then) Greater London Council. Peter joined Ted's team, mentioning that Hubert Taylor, another Kewite, was also working for the GLC. Peter ran the semi-mature tree planting unit and had the exciting task of installing a new tree planting scheme for the prestigious South Bank site which was part of the former Festival of Britain site during the 1950's. This, at that moment in time, was just hardcore of many layers including bomb debris from the last war. Trees were planted in 1966 and, in order for them to survive, huge 10 cubic metre pits were dug for each tree, and provided with a built-in

irrigation system. Semi mature large nursery stock **London planes** were used and Peter mentioned that each tree, and there were 56 planted, cost the council £300 whereas the dolphin lamp-posts also required for the site cost £1,000 each! Although this doesn't sound much for a tree now, he emphasised that in 1966 this was a fair sum of money. All trees were rootballed and a Newman trailer was used to help with the task. By 1972 the trees were well established and in 1977 they had grown so well that alternate trees had to be removed. In 1987 they suffered badly from the great storm, but are still visible today from the London Eye.

Peter stayed with the GLC for two years and, wanting more tree experience in 1967, moved to work for Basildon Development Corporation where he spent a year having responsibility for their contract tree planting, surgery and tree preservation orders. In this time he met, and married Lee, his wife of 36 years.

In the 1960's, arboriculture was starting to be recognised as an industry and profession, with the formation in 1963 of the Association of British Tree Surgeons and Arborists (ABTSA) and in 1964 of the Arboricultural Association. These eventually amalgamated in 1974. During the first three day ABTSA course in 1967 held at Merrist Wood Agricultural College, the then-Principal of Merrist Wood, Tony Harris, soon realised the potential for courses in arboriculture and tree surgery. As Peter was one of the few who had qualified and specialised in the subject, he was appointed the country's first full time lecturer and started in the summer of 1968. Two other Kewites also joined the staff that year to head departments at Merrist Wood, Geoff Yates (Nursery Practices) and Brian Lowe (Landscape). From Merrist Wood and at Peters encouragement, Peter Thurman, Tony Kirkham and John (Log) Whitehead all went on to Kew to join the Kew Diploma Course.

Peter also spoke about safety and how work patterns had changed drastically from the early 1960's, when ladders of up to 60ft were used without harnesses and men carried electric chain saws up these ladders cutting with one hand and hanging on with the other. It took four men to carry the 60ft ladder and most of the tree climbers in those early days were ex-merchant seamen. Hydraulic platforms were then used which were much safer, before, eventually, safety harnesses came in along with helmets etc. which gave the tree operator total safety and much more freedom of movement.

In 1976 Peter was approached to write the first ever book on tree care entitled *Tree Surgery* and this sold 10,000 copies and was also printed in Italian. This, however, became out of date within five years, as ideas and techniques changed rapidly and research in the USA by Dr. Alex Shigo began to question some of the established tree surgery techniques, particularly cavity cleaning. Shigo was the first scientist to realise that trees had their own natural barrier within the trunk (barrier zone) which wards off decay. Old methods such as cleaning cavities with power tools, filling with concrete, bricking up trees, using polystyrene as a filler, piping, were all in effect further killing the tree as the natural barrier zone was of course damaged when doing such operations. This was still being done in the 1970's and is still being done in places such as Italy today where it is a money making procedure.

In 1977 Peter left Merrist Wood, frustrated by the bureaucracy of education and decided to set up his own consultancy practice. It was something of a gamble to give up a well paid job but, with the help of Lee as his secretary and until work solely in consultancy prospered, Peter began travelling the country, taking equipment with him and providing an in-house tree safety service for tree workers. As a result of his experience at Merrist Wood he was asked to chair a group for the Arboricultural Safety Council (ASC) with the task of preparing tree work safety codes. In 1989 he prepared the first safety guide that was legally binding on employers to ensure that their staff were properly trained in safety regarding tree work. He served on the Arboricultural Safety Council which then developed into FASTCo. Trevor Preston, another Kewite was Chairman of the ASC and then FASTCo.

Peter has been actively involved with the Arboricultural Association for the past 35 years. He was Secretary for three years (1974-1977), where he again had contact with another Kewite, Don Wells. He went on to be Chairman of the Association's Publication and Education Committee in the 1980's and finally was its Chairman from 1993 to 1995.

Continuing, Peter mentioned that, in the 1980's, the Institute of Chartered Foresters (IOCF) claimed to represent arboriculturists and they could become members of the IOCF. Peter duly applied and became a Chartered Forester despite having little or no knowledge of commercial forestry! He was granted a fellowship in 1991 and was probably the first and only person to hold professional qualifications in horticulture, arboriculture and forestry. The Royal Forestry Society pioneered qualifications for the Arboricultural Association which Peter identified as having been run by ex Kewites for the last 40 years.

Peter has now managed his successful consultancy business for 25 years, covering planning applications, appeals, legal cases, injury claims, tree damage etc. and Tree Preservation Order appeals as a Government Inspector.

After showing several slides and overviews Peter finished his talk and was duly thanked by Ian Leese for providing such an interesting insight into the world of a tree man.

A REVIEW OF THE GARDENS AT KEW IN 2003

by David Hardman

This year will without doubt go down in history as a major date for Kew, because on 3rd July the UNESCO World Heritage Centre in Paris inscribed the Royal Botanic Gardens, Kew on the list of World Heritage Sites as an 'internationally unique cultural landscape' and is the first botanical garden of its kind to have been awarded World Heritage status. The award was made following the joint nomination of Kew by the Department for Environment, Food and Rural Affairs (DEFRA) and the Department for Culture, Media and Sport in February 2002. It was achieved following a considerable amount of work by many people to bring the supporting

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documentation together, which will surely assist in all future garden planning. The nomination recognised the two heritage aspects of Kew, the embodiment of over 250 years of historical landscape and culture with its 39 listed buildings and structures plus two ancient monuments and importantly its living and preserved collections and the scientific work of international and historic significance.

Royal links were maintained when HRH Prince Charles opened one of Kew's oldest glasshouses on 24th February. The Nash Conservatory stood in the grounds of Buckingham Palace until 1836 when it was reconstructed by Sir Jeffrey Wyattville at Kew, with King William IV involved in its siting ensuring no trees were felled. It will be used as an educational resource for school children visiting Kew.

A new glasshouse was opened on 12th April to display some of the finest **bonsai** trees, which were donated to Kew as part of the 2001 Japan Festival, will be changed regularly to show the many different specimens. The Hartley Botanic house is 13 metres long by four metres wide, constructed in brick with powder-coated aluminium and stainless steel with safety glazing, it replaces the old Alpine House near the Order Beds.

First time flowerings this year included *Yucca radiosa*, the **soap tree**, (the roots can be pulped to make soap) a native of South West USA and Northern Mexico, its inflorescence can reach 2.1 metres tall and the flowers are fragrant, bell-shaped and white to green and *Dracaena draco*, the **Dragon tree** from the Canary Islands accessioned in 1975, which performed in the Princess of Wales Conservatory.

Seed sent by Joseph Rock in 1959 of *Pritchardia arecina*, a critically endangered palm originating from the Pacific island of Maui, flowered in the Palm House. **Café Marron**, *Ramosmania rodriguesii*, an endemic of Mauritius has been pollinated using an innovative process to overcome what was thought to be a sterility problem, two fruits and the seeds were successfully germinated in vitro in the Microprop Unit. Visitors to the Rock Garden were able to witness the spectacular flowering of *Puya alpestris*, a **bromeliad** from southern Chile, the inflorescence which has beautiful green, waxy flowers with orange stamens grew to over two metres.

The Kew Plant Auction, which was held on 12th June, was tremendously successful raising £16,500 for the Francis Rose Reserve at Wakehurst Place. Over 150 guests enjoyed an evening bidding in the Orangery. Roy Lancaster was the special guest introducing many of the lots and helping to raise the bids.

The introduction of horticultural volunteers in the garden has been trialled this year. Volunteers are considered an effective way of benefiting the garden staff whilst increasing the amount of support from this keen group of supporters. The project evaluation is pending and will determine whether the programme will continue.

Always looking to provide a spectacular display for photographers and visitors in public glasshouses the **Atlas moth** (*Attacus atlas*) was bred at Kew successfully, it is one of the largest species of moth in the world and female adult wingspan can

be up to 12cms across. Its natural range is across tropical and sub tropical Asia down to northern Australia. The larvae were reared in large cages in the nursery, staying there until they pupated, then cocoons were hung up in public glasshouses waiting to emerge. It is interesting that, like other members of the silkmoth family, the adults do not have proper mouthparts and so do not feed, their whole objective being to mate and lay eggs!

Remembering the first **Orchid** Festival in 1995 and earlier Christmas attractions as the originator for the current festival programme we have today, the seasonal events are now a regular pattern for life in the gardens on which to focus new ideas and attract new and the regular visitor to the Gardens. We started the year with '**Orchids: In Search of Paradise**' from 15th February to 16th March. The attraction of **orchids** for their exotic beauty was again utilised to promote the important conservation messages this year focusing on the threatened destruction and loss of habitats in Madagascar including over collection of rare and beautiful species that puts them in danger of extinction.

Next in the calendar was the 'Spring to Life' Festival held from 29th March to 11th May. Outside, as the Gardens emerged from the bleakness of winter awaiting the warmth and promise of a new gardening year, Kew's wealth of dramatic spring features were utilised including the **crocus** carpet, **daffodil** plantings in the woodland areas and the recently planted *Chionodoxa* fields outside White Peaks. Then, as the season reached its peak in May, the glorious carpets of **bluebells** formed a backdrop to the celebration of woodland skills, which took place over the May Bank Holiday.

Meanwhile inside, the Princess of Wales Conservatory provided 'Something's Brewing at Kew' a display that demonstrated the importance to the national psyche of the British pint of beer with the traditional process of brewing receiving help from Young's Brewery. A mini-**barley** field, plus **hops** on traditional poles, set the scene with vintage farm machinery and brewing equipment set amongst casks and malt sacks, illustrating the materials and methods used in **hop** growing and brewing. See what resulted in autumn. The display explored the much-loved activity of **hop** picking that once served as a healthy holiday experience in the country for London's East-Enders. It also examined the wild plants that were once used to give flavour to the beer. The rural scene displayed how the brewing industry contributed to the evolution of a distinctive agricultural and woodland landscape and how its practices supported other traditional industries including charcoal production and coopering to make wooden barrels and casks.

Elsewhere in "The Space" at White Peaks an exhibition 'DNA in the Garden' celebrated one of the most important scientific breakthroughs of the 20th century and the impact of 50 years ago when scientists working in Cambridge discovered the structure of DNA. Gardeners and botanists have long shared a fascination for the variety and diversity of plants, whether seeking out new varieties for our gardens, creating new shapes and colours or studying the adaptation of plants to different environments. Understanding DNA has had profound implications in medicine, in

plant science, forensics, criminology and many other areas of life. It has shown how genes hold information, copy themselves and pass on the information to future generations and how it can be harnessed to help conservation, preserve biodiversity and develop new varieties of plants. The exhibition was developed by the Biotechnology and Biological Sciences Research Council in association with Kew. It brought an insight into the world of plants, showing how the code of life creates diversity and adaptation; the displays used living plant exhibits and interactive models. The original varieties of those famous **peas** used by the Austrian monk, Mendel, who began the exploration of plant genetics in the 19th century, were on display. The exhibition also explored the DNA recipes of different **grasses** to explain what makes one **grass** drought resilient whilst another high in nutrients.

The summer festival 'Go Wild – A Celebration of UK Biodiversity' ran from 24th May to 28th September and demonstrated the interdependence of plants, animals and mankind upon one another. It showed the importance of sustainability and the irreplaceable beauty of Britain's wildlife. The festival aimed to engage visitors in developing greater understanding and appreciation of the natural world. Over 18 special features, exhibitions and art installations included a dramatic 100 metre-long treetop walkway through **oaks** and **redwoods**; a human-sized badger set; a Field Hospital showing traditional remedies; a garden of artefacts sculpted in living **willow**, and the Defra Biodiversity Garden. Six student display gardens inspired wild plantings in domestic situations.

From 11th October to 2nd November 'Autumn Cornucopia' explored the traditions of pickling and preserving of plants. In association with Young's Brewery, we launched Kew's own brand of ale using a small amount of the **barley** and **hops** grown in the exhibition. It was available in the gardens and local Young's pubs. How times have changed since my days as a student!!!

'Making Spirits Bright' from 29th November to 4th January brought the year to a close maintaining the successful formula developed over recent years with father Christmas making his regular appearance amongst steam traction engines, live music and an extremely well attended Carol concert.

And finally throughout the year a BBC film crew has been recording the different aspects of life at Kew and Wakehurst Place. We look forward to the programmes being screened next year.

A REVIEW OF WAKEHURST PLACE GARDENS IN 2003

by David Hardman

New features opened and sun, sun, and yes, more sun, made 2003 one of the sunniest years on record at Wakehurst Place with some startling summer temperatures that carried on late into autumn. As readers will know from their own garden experiences, our achievements are very much dependent on the weather. We saw some of the warmest and longest periods of prolonged dry weather for many years

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with the temperature of 38.9°C recorded on 10th August being a good indication of the high temperatures.

Although not the driest year on record, surprisingly the estate fared well against drought, possibly because of the very high levels of rain over recent years remaining available deep in the ground. Until November rainfall was low, so by the end of the year the profits of doom could be heard predicting the effect it would have on the next year's reserves. Only time will tell!

With all this good weather came record numbers of garden visitors keen to enjoy the new features and watch progress and simply appreciate Wakehurst as a quality garden experience. The highest monthly totals were beaten on five occasions, the greatest surprise being October when 44,937 visitors, the highest monthly total ever, was achieved representing a 91.0% increase over last year. The effect of the warm autumn was unexpected: there had been some early summer leaf drop but the leaves that remained seemed to stay on the trees for a very long period slowly changing colour to provide amazing seasonal tints. By the end of the year 387,873 people had enjoyed Wakehurst Place; this was a 19.97% increase on last year's 323,296 visitors.

The new plantings in the Bog Garden made early in the year performed well and the feature regularly received wonderful comments from visitors who watched progress enthusiastically as this large project was completed for October and was opened in a short ceremony by Gay Search, a TV and radio presenter.

A new raised boardwalk for 'pond dipping' for the Schools Education programme was constructed along with a new path system to enable wheelchair access to the two small ponds. The timber used on the boardwalk was estate grown **oak** prepared using the new Woodmizer mobile bandmill. A new seating area was created around the circular walled area with new interpretative material included at low level on top of the wall overlooking the Bog Garden. The perseverance and tenacity of the Water Garden team and the support of other units to complete this project must be recorded as they encountered some of the wettest periods of rain from its commencement in September 1999. In hindsight, the truth of a real bog garden and all the connotations of working in a bog were realised by everyone who wallowed around in the mud.

On 16th September, over 90 delegates congregated in the Wellcome Trust Millennium Building to honour Francis Rose M.B.E., whose work was recognised with the launch of the Francis Rose Reserve for Cryptograms. This initiative is the first reserve of its type in Europe and will help promote awareness of the importance of **bryophyte** populations and UK biodiversity to garden visitors. Delegates had the opportunity to see a range of new interpretation boards at the three key sites at the Himalayan Glade and Loder Valley viewpoints plus the Picnic site overlooking Westwood Lake during guided walks of the Reserve, which also ventured into Tilgate Wood to enjoy Francis Rose inspecting a rock where specimens of the **filmy fern *Hymenophyllum tunbrigense*** grow. The suite of interpretation boards has been incorporated into imaginative **oak** holders that are shaped in the form of a **spermatophyte**. The information is aimed at raising awareness of the valuable but rarely understood lower plants that grow on the sandstone outcrops at Wakehurst Place.

For the first time for many years the Nursery was opened to public visitors with access into the nursery grounds over the weekend 31st May and 1st June between 10am and 4pm, over 30 % of garden visitors found their way through the nursery gates that weekend and greatly appreciated the opportunity from the positive comments we received. The event included tours of the main nursery and the Seedbank glasshouses, with practical seed sowing for children and with the Seedbank demonstrations, we made use of this event to promote and sell the mini Seedbank kits, which were new on the market.

Information about the Sussex **Black Poplar** project to which Wakehurst has made a large contribution from its inception by producing several thousand plants to be reintroduced to riverine sites in Sussex was also on display. We continued raising awareness of conservation issues with a display of plants growing in peat free media plus information about conservation of damaged peat bogs. Displays of mulches highlighting their benefits plus different green manure types used in the nursery could be seen along with an active display of woodland crafts, which included pole lathe working demonstrations.

An exhibition of pests and biological control, using microscopes and videos with a fun plant identification for adults and children, created great interest, whilst nearby, a small display of our four National Council for the Conservation of Plants and Gardens (NCCPG) national collections, raised awareness, plus the *Alstroemeria* national collection holder who supplied leaflets about the work of the NCCPG.

The main event running through the year was 'Go Wild at Wakehurst.' Many things were planned for this festival at Wakehurst Place and successfully included an innovative short film, produced with assistance from local school children, that was used in the Mansion "Learning Zone" (previously the Exhibition Room) and the Field Study Centre to promote the Festival. This lively video proved very popular with visitors. A wild wood exhibition was created in the Chapel to act as a central point to explain the 'Go Wild' festival programme and evolved with the changing seasons from spring to summer. A new system to make our own information panels was purchased and proved very useful; it gives us the opportunity to respond quickly to items of interest and was used very successfully to interpret interesting items.

A Bird's-Eye View provided live action glimpses from a number of cameras located in nesting boxes on site. Visitors were able to see the action through the year from initial nest building through the process of egg laying to fledging on a screen at the Field Study Centre. An added attraction was a hornet's nest in one of these boxes. These recordings will be used for future initiatives. A bird ringing demonstration was carried out at the Himalayan Glade Viewpoint, which gave visitors an opportunity to see woodland birds at close quarters. Two free talks about the native wildflowers and native wildlife of Sussex were given.

Aesthetically, we have previously had success with **willow** sculptures so for the event a **willow** wall near the Integrated Service area was created and included

interpretation material about the composting process seen through viewing ports. A special compost recipe was part of the interpretation with ingredients displayed in trug baskets. The existing **willow** seat was pruned and re-woven, other **willow** sculptures were located in the wetland area near Westwood Lake and Bethlehem Wood near the Charcoal Burners Encampment, which was created to bring the action closer to the visitor. Four charcoal burns were carried out as part of the 'Go Wild' Festival this allowed garden visitors to see charcoal production at close quarters and on 8th, 9th, 10th August a special double burn was carried out to show the traditional earth burn system alongside our more modern steel kiln system.

Along with all the other work completed over the last 12 months almost hidden out of sight, the largest project for the Gardens has been the steady progress to build the new £2 million Wakehurst Place Visitor Centre. This building will provide a new entrance complex, shop and coffee bar area and a larger plant sales centre. Outside, different teams have been making timely and valuable contributions to this project this includes the Woodland and Conservation Unit preparing the site by felling trees and then converting the timber using the new Woodmizer mobile bandmill. Some of this timber has been used by the commissioned sculptor, Walter Bailey who set up his studio in a pleasant woodland area in Pearcelands Wood where he uses a chainsaw to create the pieces destined for the new Visitor Centre. For the landscape construction the Logistics Unit is undertaking the subsequent ground works that require considerable quantities of soil being moved and graded for a new lawn area. A new linking path has been built with minimal disturbance to garden visitors and the garden team is working hard against terrible soil conditions to plant up the North Drive border. Work is still in progress as we forge ahead for the opening of the new Wakehurst Place Visitor Centre next March.

So as the year ends, we look forward to a new beginning at Wakehurst Place, a new entrance to the garden and considerations of what will happen to the space inside the Mansion vacated by the shop are just a couple of items to ponder in what will be yet another busy year.

NEWS OF KEWITES AT HOME AND ABROAD IN 2003

Compiled by J.R. Woodhams

Vista (Issue 52, January 21st, 2003) headed its first column, 'M.B.E. recognition for **Gail Bromley**.' Gail was recognised in the New Years Honours list with an M.B.E. for her services to education. She has worked at Kew for 28 years and been instrumental in creating education services and spreading the message of biodiversity and sustainability. Gail was quoted, "It was really lovely and I was very surprised. You do think, 'Oh my goodness me!'" Congratulations Gail from the Guild.

This edition of *Vista* also carried the names of staff members who received the Queen's Jubilee Medal. The medal, commemorating the Queen's Golden Jubilee, was presented to personnel who were dealing with emergencies as part of their conditions of service, and who had completed five years of service on 6th February

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2002. Congratulations to: **Ed B. Borez, J. Evans, R. Evans, D. E. J. Foxton, R. A. Hooton, T. E. Johnson, P. J. Macnamara, M. O'Leary, E. M. Ryan, P. J. Terry, and V. Whittall** (Ranger).

The Spring 2003 *Careers in Horticulture* addition to *Horticulture Week*, featured, among others, **Paul Cook** (1988) who has been appointed to the position of Curator for Ness Botanic Gardens, near Neston on the Wirral. After completing the Kew Diploma Paul spent a year at Chester College of Agriculture, but said full time teaching became a grind. He then set up a landscaping maintenance firm to gain commercial slant to his amenity skills. Paul heard that Arley Hall were looking for a gardener possessing skills he had, and he held this job for nine years until Liverpool University offered him the challenging post at Ness. The article concluded with a quote from Paul that he wanted to, "Stay at Ness for several more years and improve the collection."



Paul Cook (Photograph courtesy *Horticulture Week*).

John Dransfield, photographed with *Pritchardia arecina* in the Palm House at Kew featured on the front page of *Vista* (issue 54, February 18th, 2003). The accompanying text was titled, 'Critically endangered **palm** flowers for the first time at Kew.' The plant in question originated from seed sent by the famous botanist and plant collector **Joseph Rock** (1884-1962) in 1959. This particular palm is only known from the island of Maui, Hawaii; the 500 known trees being fragmented into about seven populations and the species rarely reproduces in the wild. The article stated that **Emma Fox** and her staff in the Palm House plan to pollinate the palm in the hope of obtaining ripe seed.

This same issue of *Vista* carried a photograph and short text headed, '*Hamamelis* plantings around KWT.' This gave news of the new plantings of *Hamamelis* x *intermedia* cultivars to increase the grouping of this genus already situated at King Williams Temple. The new plantings will be mixed with *Corylopsis* and the whole under-planted with **snowdrops** to add interest. The photograph featured the team who carried out the new work; **Tony Hall** (Team Leader), **Tony Kirkham** and Tony's son **Robert, Heloise Brooke, Fran Culverhouse, Michele Sanchez, Tony Conlon** and **Pat Smallcombe**.

'Kew Award recognises **Mary Grierson's** work,' proclaimed the heading on the centre page of *Vista* (issue 65, August 19th, 2003) above a photograph of Kew Director Peter Crane presenting Mary with her award. The caption read, 'The Kew Award is in the gift of the Trustees and Mary Grierson is the tenth person to receive this prestigious award. It recognises distinguished service to Kew. Mary is a very distinguished Botanical artist and her work is collected throughout the world. She

has produced an impressive amount of work for Kew and we are lucky enough to have many examples of her work in our collections.' The award was instigated by **Professor Sir Ghillean Prance** the previous Director.

Guild President 2002/3 **Allan Hart** (1958) sent the compiler copy of a letter he had received from **Pauline** the wife of **Arnold Himson** (1949) in which Pauline thanked the President so much for the Certificate of Membership, which she said, "Arrived in perfect condition being so well packed." Pauline continued, "Arnold was, as an ex-serviceman, a student in 1948 whereas I simply worked in the **Rose Garden and Decorative Pits**. We have been married since 1956 and have a son and daughter, both married with children and living in Hobart – which is very fortunate for us." Pauline mentioned that Arnold had suffered two debilitating strokes and indicated that it was difficult to gauge just how much he can now comprehend. With speech difficulties resulting from the strokes, Pauline stated that it was certain they would never be able to travel overseas again. However, receipt of the Certificate obviously gave pleasure with Pauline writing, "It came of course as a complete surprise and is a nice reminder of our time at Kew."

Allan also forwarded to the compiler a cutting from the *Independent on Sunday*, February 16th, 2003, entitled, "The Top Brass – From Kew to the Eden Project, they're blazing a nature trail." The subtitle was, "Britain's top 10 curators of botanic gardens," and of the 10 people featured, four were Kewites though all of course will have some links with Kew. Kew's Director **Peter Crane** was given pride of place, the following being part of his write-up: "My fascination with plants – and particularly how their diversity came about through evolution – was what initially attracted me into this profession. Increasingly, I've also become interested in how plant diversity can be conserved for the future and used in sustainable ways for human benefit." The text concluded, "In this career, you can't get far without a real passion for plants and without enjoying the interactions with people needed to solve problems and make things happen. In a big research organisation like Kew, it is also important to have a broad understanding of the full sweep of modern plant science. Working in botanic gardens is not the way to fame and fortune, but it is hugely rewarding in other ways if your heart and soul are in it." The other nine were featured in alphabetical order as follows; Hugh Angus, now responsible for managing the National Tree Collections at Westonbirt, Gloucestershire and Bedgebury in Kent; Steve Blackmore, Regius Keeper RBG Edinburgh; Jim Gardiner, Curator of the RHS Garden at Wisley; **Simon Goodenough** (1986), Curator of Ventnor BG, Isle of Wight; Reg Maxwell, Area Manager Belfast City Parks and BG; **Sue Minter** (1990), Horticultural Director the Eden Project in Cornwall; John Parker, Director of the University Botanic Garden and Curator of the Herbarium at Cambridge; **Timothy Walker** (1985), Horti Praefectus of the University of Oxford BG and Harcourt Arboretum; and finally Nicholas Wray, Superintendent of the University of Bristol Botanic Garden. The article was compiled by Kate Hilpern with information provided by PlantNet and also devoted a column to the opportunities offered for training for a career in Botanic Gardens. The compiler feels that a number of other Kewites could well have been included.



Left to right: Hans Fliegner, John Woodhams, Joan Woodhams, Barbara Fleigner, Leo Pemberton and Bob Hebb (Photograph courtesy J. Woodhams).

Robert (Bob) Hebb (1968) was contacted by the compiler whilst Bob was on a few weeks working visit to the UK in June. Bob had arranged accommodation with **Richard Ward** at his home in Kew and was spending time at the Gardens and at the RHS Garden at Wisley to capture plant images on a digital processing system. A get-together was arranged for the evening of June 5th at the Pizza Express restaurant in Kingston on Thames. **Hans** and Barbara **Fliegner** and **Leo Pemberton** met-up with Joan and **John Woodhams** and Bob at the restaurant, the latter being unaware that we would be more than three! Much chatter ensued, as the events of 30+ years needed to be caught up with!

Nigel Hepper (1989) sent a note to the compiler informing that records of plant flowering dates at Kew and in his own garden are being analysed to see whether they yield information on global warming. By plotting them graphically many of the species do show a distinct trend towards earlier flowering, especially the spring ones, which may be a month (or more) earlier now than in the 1960s. His recently published paper on phenology appeared in *Biodiversity and Conservation* 12: 2503-2520, 2003.

The Institute of Horticulture held its 2003 Annual General Meeting on Saturday 27th September at Pembroke Lodge Richmond Park Surrey. The compiler was among 16 Kew Guild, Kew and ex-Kew people attending the days programme and noted the following at the morning meeting: **Simon Goodenough** (1986), **Penny Hammond** (1987), **Robert (Bob) Ivison** (1974), **Ian Leese** Head of the School of Horticulture at Kew, **Sue Minter** (1990), **Cyril (Mitch) Mitchelmore** (1947), **Martin O'Halloran** (presently on the Kew Diploma Course), **Kenwyn Pearson** (1975), **Leo Pemberton** (1988), **Tom Risely** (1958), **John Simmons** (1995), **Peter Thurman**, **Alan Titchmarsh** (1974), **Arthur Woodward** (1947) and **John Woodhams** (1995). **Jo Scrivener** (1996) who is now on the staff at Richmond Park

as Assistant Park Manager jointly led one of the coach groups on the afternoon visit to Holly Lodge, the parks administration and work centre and then on to the Isabella Plantation. This enclosed area of around 40 acres has lawns and glades with running streams filling a number of ponds together with areas of **heather** and bog gardens. Most of the **oak**, **beech** and **sweet chestnut** trees date from the 1830s providing cover for the extensive shrub plantings.

Various awards and presentations are made by the Institute of Horticulture at its Annual General meeting. This year one of the Institutes own awards went to **Alan Titchmarsh** M.B.E. The citation reads, 'In recognition of his vast contribution to public understanding of the arts and science of Horticulture through journalism and broadcasting which has reached out to millions of people through gardening columns, books and especially by his widely acclaimed informative and influential television programmes.' Four of the 28 members elected to Fellowship of the IOH at the meeting are members of the Kew Guild or ex-Kew people: **Simon Goodenough**, **Bob Ivison**, **Tom Risely** and **Peter Thurman**.

The Institute now administers the Norah Strucken Trust (see *Kew Guild Journal* vol. 14, 106; 69, 2001). The award for 2003 went to the Writhlington School, serving the communities of Radstock and surrounding Mendip villages in North East Somerset. The citation read as follows, 'The 2003 IOH, Norah Strucken award is awarded to the Writhlington School for its **Orchid** Project. For exceptional work in the raising and cultivation of **orchids** linked to the establishment of a business enterprise aimed at supporting the global conservation of endangered species' (See *Kew Guild Journal* vol.14, 107; 166, 2002 where mention is made of Kew's early help to Writhlington School relating to this project).

Following a short break at the end of formal matters, **Sue Minter** gave the James Bruce lecture entitled, 'Plants for Good or Ill.' Sue based her talk around her career work in botanical establishments, concentrating on her present association with the Eden Project in Cornwall, where she is Head of Living Collections. Sue mentioned that, at the Eden Project they stress the importance of plants to us all and her talk and slide presentation ranged over the uses of plants and plant products for food, medicine, shelter, utensils etc. Sue stated that many plants and plant products had spread around the world by sea through trading activities and along with the plants had come knowledge, with edible plants especially, of how to prepare them to render them safe to eat for example **Cassava**, many **legume** seeds (beans) etc. Mention was made of botanic gardens as having been major players in the introduction of plants, though not all have proven useful or beneficial. For the final part of her talk Sue concentrated on five plants, which though useful, she considered to have a potential for evil as well as good. In ascending order she placed at number five ***Cannabis sativa* (hemp)** which, though essential at one time for clothing manufacture etc., has the drug addiction aspect as well. However, it is very possible that cannabinoid drugs may prove beneficial in treating or alleviating some maladies. At four came ***Hevea brasiliensis* (rubber)** which again has proven of considerable use in a myriad of ways not least in the development of the motor car, though Sue considered this machine could in many ways be considered a pest contributing to

global warming and congestion. Sue placed at three *Gossypium hirsutum* (cotton), which requires massive use of pesticide to grow the crop; indeed at one stage the demand for products to control pest problems associated with cotton growing influenced the production of arsenic from some tin mines when the tin-beds had been worked-out. The growing of cotton also fuelled the slave trade to provide labour for this task. At number two on her list was *Nicotiana tabacum* (tobacco), which initially was considered therapeutic – nicotine being a muscle relaxant – but of course now known to be carcinogenic. Sue's number one plant with potential for ill was *Papaver somniferum* (opium poppy). The derivatives from this plant cause so much suffering yet the metabolite morphine, has the ability to suppress pain and be of extreme benefit to the human race.

Sue ended her lecture on a separate but urgent and topical matter in that she urged the Institute of Horticulture to rally support to discuss with government the matter of compensation for growers and others in horticulture where DEFRA issues destruction orders on plant crops where disease or pest problems are identified. At present no compensation is payable to the horticultural industry unlike agriculture for example where cases of Foot and Mouth or the BSE crisis have occurred. The IOH President Professor Geoffrey Dixon in thanking Sue for her lecture agreed that the matter of compensation from government following plant destruction orders should receive urgent attention.

Robert (Bob) Ivison (1974) took the 'Soapbox' spot in *Horticulture Week* (January 16th, 2003) under the heading, 'Time parks are pushed up the agenda.'



Bob Ivison (Photograph courtesy *Horticulture Week*).

Bob, Parks and Countryside Manager for the London Borough of Enfield, believes that government comment and the setting up of commissions and forums over past months give some hope for the future of our parks. However he said that, "It was therefore, with some amazement that I read that the governments own auditors failed to recognise the developing importance of our green spaces by not including them in the latest comprehensive performance assessment. It is time we worked together to deliver a range of leisure experiences." Bob thought the way forward was to capitalise on the good work going on around us, recognise Beacon Council status and Green Flag awards and not to forget the people working in this area. He said, "They will also need support and guidance from their own professional and institutional bodies."

Vista (Issue 53, February 4th, 2003) carried the headline, '**Andy Jackson** Head of Wakehurst.' The Director, **Peter Crane** was quoted, "I am pleased to tell you that **Andy Jackson** will be the new Head of Wakehurst, effective 1st February 2003. I am sure you will want to join me in congratulating Andy and wishing him all the

best for the future. I look forward to working with Andy and everyone at Wakehurst Place to further strengthen the excellent work that you are already doing at Wakehurst." Though rather belated, many congratulations Andy from the Kew Guild.

Vista (issue 52, January 21st, 2003) printed a photograph of **John Lavin** at his leaving party. The text read as follows: "We wish John Lavin all the best in his retirement from RBG Kew. In December a farewell party was hosted in the Orangery. Director of Operations since 1991 and Deputy Director since 1998, he was awarded an O.B.E. in 2001 for his contribution to conservation on the Millennium Seed Bank project."

Following several enquiries for news of **Graham Leaver** (1963), the compiler eventually made contact with **Richard Ward's** help. Graham faxed news of his career since leaving Kew. In 1964 he became a student at the College of Park and Recreation Administration in Reading and during that time he married Ann, who he says you will recall was a 'post office bird' much involved with student activities at Kew. Ann worked for the post office at their Ruskin Avenue site, where Kew staff could obtain subsidised meals in the canteen. A modern building, The Public Records Office now stands on this site.

From 1965 until 1970 Graham worked as Technical Assistant for the Borough of Warrington in their Parks, Cemeteries, Crematorium and Allotments Department. He says whilst there he became heavily involved in motorsport (rallying) and rather enjoyed life. However, in 1970 he moved to Southend on Sea where first, he was Assistant Parks Officer then progressed to Parks Officer. He became Deputy Director of Parks for Slough in 1974 and was subsequently appointed their Chief Leisure Officer from 1982-1986, when, due to a new left wing Labour council, he retired at the grand age of 47! Graham indicated that as it turned out it was the best thing that could have happened as he then became a self-employed leisure and motorsport consultant, which he has continued to date although he states, "I am now too old for active motorsport."

Graham now has a heavy involvement in local council work as clerk to two parish councils and a member of the National Executive of the Society of Local County Clerks. He was also in partnership in a small nursery unit near Eton, which ceased in 1995. His horticultural interests have not waned though as he now has a small business (Thames Valley Plug Plants) which sells both to the trade and retail. This is based at the Slough Borough nursery and he writes that it is due to expand with the opening of a plug plant cash and carry operation in conjunction with Pentland Plants of Edinburgh. During a telephone call with Graham it also transpires that **Keith Fellows** (1963) was best man at Graham and Ann's wedding. However they have now lost contact. Thanks Graham for the notes and good luck with the plant plug venture.

Emily (Sandra) Leche (1977) sent an email to **Mike Clift** in June containing various information for him as Guild Secretary, (Emily is on the Guild Committee). Mike thought the message would be of interest to members and sent it to the compiler who e-mailed Emily back with a draft note for her to check over. The following was received in reply: "I am still working on Isla Illeifa in Lago Ranco,

as head gardener as head gardener since 2000, covering general garden maintenance and planting, as well as along with others, reproducing Chilean native species which are near extinction. The horticultural advisor has been in charge of all the gardens belonging to the same person for many years, the others being distributed mainly in the central area with a Mediterranean climate. Each garden has one person in charge. Mr. Eduardo Sone is an agronomist with a great knowledge of Chilean plants, especially of *Alstromeria* and *Rhodophiala*. He has also made a collection of **cacti** for Mr. A. Edwards in his garden on the coast.”

“Where I live it rains a great deal but the work is most interesting and my colleagues are great so it makes up for the less hospitable climate in winter. Every year there is a plant identification test for all of us. The gardener who remembers the latin names is awarded an extra month’s salary and a tour of all the other gardens! This is followed by an asado with the owner and his family, so everyone looks forward to this yearly event. If anyone comes to Chile, please let me know as they would be most welcome. Please send my best wishes to all at Kew especially to **Stewart Henchie** who looked after me after my first visit in twenty years.” Emily was able to attend the Guild Committee meeting in October whilst over in the UK.

‘School of Horticulture wins award for great ad,’ exclaimed a heading within *Vista* (issue 56, April 3rd, 2003). **Ian Leese**, Head of the School of Horticulture at



Ian Leese (Photograph courtesy *Horticulture Week*).

Kew was pictured receiving an ‘Ad Q’ Award from Kal Anand (Advertising Director) and Charlotte Anderson (Sales Executive) of *Horticulture Week*. The article stated, “The award was presented in recognition of the School’s Kew Diploma recruitment advertisement which achieved outstanding readership response when measured against all other ads appearing in the magazine.” The advertisement was judged very successful at reaching its target audience.

Horticulture Week (August 28th, 2003) featured Ian as the subject of their ‘Interview’ column. The article concentrated on Ian’s career development and training and of course his role as Head of Kew’s School of Horticulture. Ian was quoted, “When the Kew Diploma started in 1963, most students went into parks management. Now most people stay in botanic gardens with the next-biggest group working on private estates, so where we previously fed parks and gardens, because of competitive tendering and other changes within parks, career directions have changed.” The article concluded with a final quote from Ian, “You’ve got to have a vision of where you want to go. Kew builds skills, confidence, work experience and contacts with others worldwide. It’s hard work but it opened many doors for me.”

Patrick Nutt (1953), past President 2001/2, mailed the compiler on several occasions through the year. His letter in March mentioned that Pennsylvania had endured a rather severe winter and that Longwood's glasshouses had benefited from their roof heating coils, which had saved very many sheets of roof glass from destruction. Patrick was a judge at the Philadelphia Flower Show held 2nd-9th March and mentioned that **David Jewell** (1983) visited Longwood on 6th March. David now has a post at Wisley (RHS Garden). Patrick indicates that the plant house at Gettysburg College that he helped with through the design stage is now completed and said that information he was given relating to the design of the Kew Alpine House was of great assistance to him. He also included a photocopied sheet of notes (the original sheet dated 23rd June 1951!), from the late **E.W. Macdonald**, Foreman of Kew's **cacti** and **succulent** collections and the late **Bert Bruty**, Foreman of the tropical and temperate **fern** collections, both relating to suitable composts for growing **succulent** plants and **ferns** respectively.

April saw a magazine arrive specialising in aquatic gardening entitled *The Pond Keeper*. Through his work at Longwood Patrick is kept busy with requests to give lectures and produce articles related to the growing of aquatics. *The Pond Keeper* printed an article with illustrations by Patrick entitled, 'Soil requirements for **water lilies** and other aquatic plants.' He lectured at Pennsylvania State College of Agricultural Sciences at the end of May, giving a talk entitled, 'Water Gardening for the 21st Century.' He also gave a talk at Tyler Arboretum on creating a water garden.

Another mailing arrived in late May which included a sheaf of paper cuttings and photocopied sheets. Patrick completed a 20k run at Philadelphia and was placed 1st in the mens 70 and over class, completing in 1:57:54 and he states, "It was a good day for young and old British runners."

Mention is made of **Bob Hebb** visiting the UK – see earlier in these notes. Patrick also mentions that Tim Jennings (now Longwood water plant specialist) produced some magnificent *Victoria amazonica* plants this season. The plants were grown from seed collected in the Amazon on the last waterplant-collecting trip there and in which **Emma Fox** (presently in charge of Kew's **Palm** and **Waterlily** Houses) participated.

Patrick mentions that **Jim Buckland** and **Sarah Wain** visited the States and made a trip to Longwood in early May. Apparently there is a new book recently published about the West Dean estate in Sussex – Jim and Sarah have redeveloped the gardens there over recent years. As an aside, Friends of the Historic Houses Association voted West Dean Gardens "Garden of the Year for 2002". The August mailing contained various photocopies and other items Patrick had collected together. As well as news of more lectures given, Patrick had completed an essay on a visit he undertook to Costa Rica in 1973 for Longwood, who intend to publish a book in 2006 presenting Longwood's plant exploration programme; in their words, 'to a wider audience.' In concluding Patrick mentions that in rather stark contrast to the hot and dry summer experienced in the UK this year, Pennsylvania's had been unusually moist and he says there was need for sunshine to ripen fruit etc. Thank you, Patrick for all the mailings.

The increasing problems of reducing the spread of **common ragwort**, *Senecio jacobaea* was given a double page spread in *Horticulture Week* (October 24th, 2002). **Clive Parker** (1978) Principal Horticultural Consultant with Wolverhampton-based Carillion Highways and Services, was quoted with regard to



Clive Parker (Image courtesy *Horticulture Week*).

ways of dealing with this weed species. On hand pulling he said, "You have the problem of the residue and how to dispose of the waste and there is a health-and-safety risk to the operative, both from the residue and the physical activity involved with pulling out the plants when woody. More importantly there is a likelihood of encouraging new plants to develop at the base from the stolons or roots of the old plants." A number of others tackling the problem were quoted, and a product Barrier H, the active ingredient of which is **citronella** oil, is now being used to eradicate the plant though a number of treatments are required. Clive indicated that with **ragwort** growing on neglected pasture

and wasteland near motorways there is a tendency for the plant to re-colonise areas that have been previously cleaned.

Graham Pattison informs that he is now responsible for a Heritage Lottery Funded historic garden refurbishment project, restoring a twenty-acre unique memorial garden in Buckinghamshire. Graham also mentions that as well as this new project, he still undertakes some horticulture teaching work.

Kenwyn Pearson (1975) wrote to the compiler in October indicating that he had recently attended the Professional Gardeners Guild Conference held at Ventnor Botanic Garden on the Isle of Wight and was impressed by the number of ex-students taking part. The conference was held in conjunction with the Historic Houses Association and entitled, 'Roles and Relationships for the 21st Century Gardener.' Kenwyn states, "Papers were given by **Isabel van Groeningen** on producing innovative designs for historic gardens; **Rupert Golby** and **Debs Goodenough** (1986) – a joint paper on working together as designer and head gardener; pushing the limits in a public garden by **Simon Goodenough** (1986); **Chris Bailes** (1985) on the role of the RHS for the modern professional gardener; **Tim Walker** on the botanic gardens role in present day gardening. **Harvey Stephens**, a delegate at the conference, met **Charles Erskine** (1999) in Ventnor Botanic Garden who was visiting while on holiday. Other delegates included **Jim Buckland** and **Sarah Wain**, **Sophie Piebenga** (1984) and **Sue Tasker**." Thank you, Kenwyn for thinking

of the News of Kewites slot. As a postscript Kenwyn included a note at Christmas to say that in spring he undertook a botanical/horticultural visit to China, which he states, "Exceeded all expectations and I would go back tomorrow given the opportunity." He went on to say he visited France in the summer and Estonia in the autumn, though he thought Tallin Botanic Garden has a long way to go to match up to Kew. It seems the travel bug has caught up with Kenwyn – long may it bite!

Vista (issue 57, April 17th, 2003) carried an obituary to **David Philcox** (1926-2003). Dave will be well known to many students especially those on the Kew Diploma just before the commencement of the third year of the course, for he was a marvellous source of knowledge and help with regard to the production of a native pressed plant collection which, at that time, each student was obliged to compile.

Phillip Cribb produced a very full and comprehensive obituary of Dave's time at Kew from his joining the Kew staff as an Experimental Officer in the Herbarium in 1959 to his retirement in March 1987. However, after officially retiring, his early broad training at Kew came into its own when he was employed to write accounts for the *New Flora of Ceylon* and he visited Sri Lanka on a number of occasions in relation to this work. Dave specialised in the plant families **Bromeliaceae** and **Scrophulariaceae** and was awarded his degree as M.Sc. by the University of Leicester.

In the reorganisation of 1971, he was promoted to Higher Scientific Officer, to Senior Scientific Officer in 1972 and then to Principal Scientific Officer in 1979. Dave was a frequent visitor to the Living Collections to examine specimens and to build contacts with the horticulturists, especially those growing the plants of his particular speciality. He was a popular lecturer and also loved to engage with others to talk about travels overseas and adventures in far-flung places. David collected plant specimens for Kew in Brazil, Guyana, Trinidad, Antigua and other islands in the West Indies. One who loved travel, he also collected in Africa and visited Zimbabwe, Mozambique and Malawi in 1981 with **Malcolm Leppard**. He was to visit Africa again in subsequent years. Many will have fond memories of Dave. He is survived by his wife Adrienne, their son and daughter and by a daughter from his previous marriage.

Landscape Review (sister publication of *Horticulture Week*) in its November 2003 edition featured **Brita von Schoenaich** (1984) and the work of the design practice Schoenaich Rees Landscape Architects. The four page article included illustrations of some of the completed projects undertaken by



Brita von Schoenaich and team (Photograph courtesy *Horticulture Week*).

the practice and a photograph of the team (left to right), **Tim Rees** (1981), **Heike Reuter**, **Guillaume Baltz** (1995), **Hilary Beechcroft** and **Brita von Schoenaich**. The article gave a resume of Brita's training and the design/planting schemes undertaken by the partnership. After an apprenticeship from a perennials nursery in Germany, Brita trained at Kew and, after completing the Diploma Course gained a Landscape Architecture Diploma at the University of Central England. Brita then worked for Brent Council Parks Department, as a Development Officer followed by a move to the private sector where four years were devoted to working for an interior planting company, latterly setting up an exterior landscaping department, becoming a director and overseeing 25 staff.

Before setting up her own practice in 1991 with Tim, whom she met at Kew, Brita worked for Glasspoole Thompson Landscape Architects. Schoenaich Rees Landscape Architects moved their business from Chiswick to Islington in 2001. The business undertakes projects for large homebuilders, housing associations and smaller schemes for private clients. Major undertakings include work for Marks Hall Arboretum, Essex; Tate Britain London; Ryton Organic Garden, near Coventry.

Kew horticulturist **Wesley Shaw** was featured in *Horticulture Week* (September 18th, 2003) with a beautiful coning plant of *Encephalartos ferox* in the Palm House at Kew. Wesley was collecting pollen from the cones of this plant for matching with



Wesley Shaw (Image courtesy *Horticulture Week*).

a female plant growing at Wildwalk at Bristol in their botanical house, which was also coning at the same time. Text accompanying the photograph stated that collected pollen was taken to Bristol and squirted into the female cone and if pollination were successful, seeds would develop within eight months. The short article was entitled, 'Long-distance relationship.'

In December, the compiler received a letter and copy of the Arboretum Trust's newsletter from Kew's former Curator **John Simmons** (1958-1995). John mentions that between consultancy work, a publishing contract, a large garden and at present 8 grandchildren – he and Val are fully occupied. John mentions that he is busy researching the life and work of **W. J. Bean** who was born in the Yorkshire Wolds close to Castle Howard and says that he hopes to pen a few paragraphs for the *Journal* – though it will have to be for next year now John says.

Nigel Sinnott (1969) sent a message of thanks to **David Barnes** (Hon. Membership Secretary up to the 2003 AGM), for the receipt of Guild Membership

Certificate, the Presidents circulars, details of the May dinner, copy of *Kew Scientist*, Friends of Kew brochure plus a map of RBG Kew. Nigel included the following, "I can now confirm that my book, *Place-Names of the Alexandra, Lake Eildon and Big River Area of Victoria*, was published at Alexandra on 15th March 2003. Guest speakers at the launching included archaeologist Gary Presland (author of *Aboriginal Melbourne*) and the writer and historian Dr. Brian Lloyd. The launching seemed a well-attended and very enjoyable occasion, enlivened by the newly re-formed Alexandra brass band. My book is dedicated to the late Gordon Beaton (1911-88), a self-taught amateur mycologist of exceptional talent, many of whose collections are at Herbarium, Kew. Gordon introduced me in 1977 to the area covered by my book. I was delighted that people attending the book launching included the natural history photographer Bruce Fuhrer, who specialises in plants and **fungi**. He brought with him 96 year old George Crichton, a mycologist friend of Gordon Beaton's. (George specialised in *gasteromycetes*, Gordon in hypogean underground – **fungi**." Nigel indicates that a copy of his book was at the time of his writing on it's way to the Herbarium Library at Kew.

Charlie Trousdell mailed the compiler at the end of the year with news of the family and his composting business. The latter seems to be making progress and he writes as follows, "Composting has seemingly reached the national consciousness and our business has grown steadily although we have had some major setbacks this year and at one point did not think we would survive. Fortunately we seem to be over the worst of the 'growing pains' and hopefully we will build the business in 2004. We composted over 22,000 tonnes this year and will more than double this amount over the coming year." The Trousdell family are to move to a smaller home in Brighton in 2004 and are enjoying being grandparents.

The gardens at Kew received a royal visit on Monday 24th February 2003 when **HRH The Prince of Wales** arrived by helicopter to formally open the Nash Conservatory. Prince Charles first visited the newly renovated Orangery, the Orchid Festival, the Palm House and Broad Walk before moving to the Conservatory situated close by Kew's Main Gates. Photographs and the accompanying text filled the front page of *Vista* (issue 55, March 6th, 2003). Part of the text states, "The building and its former plant inhabitants reflect the international aspect of Kew and the global diversity of the plant kingdom. First, it was a home for plants from the Southern Hemisphere including **eucalypts** and **monkey puzzles**. Then it housed tropical climbers, from which it took its former name – the **Aroid House** (the compiler and surely others too will also remember it as House No. 1). In the 1980's, it accommodated plants from all over the world, which had to be moved from the Palm House during its extensive renovation." The restored conservatory will be used as a new educational resource for some of the 60,000 school children who visit the gardens each year. The first school groups were expected to be accommodated in early April.

Horticulture Week (December 4, 2003) featured **Timothy Walker** (1985) as the subject of their 'Interview' column. Timothy went straight to Oxford Botanic



Timothy Walker (Photograph courtesy *Horticulture Week*).

Garden from the Kew Diploma Course initially as General Foreman, rising to Superintendent and is now Director. The text stated that the garden is now a 3D-teaching aid hosting university, school and adult education students. Tim was quoted as saying, "We wanted to increase the public understanding of science and to make teaching about plants an exciting subject. We started to encourage schools to come to the garden, then we developed programmes based around other botanic gardens such as at Edinburgh. Through the teachers' bush telegraph system we were inundated by demand." The article stated that the garden employed its first Education Officer in 1993.

Concerning conservation, the garden has succeeded in helping re-establish the Oxfordshire native *Apium* in several sites and is working on bringing **junipers** on the Chilterns back from the brink. Visitor numbers have somewhat declined this year due in no small part to international politics and this is a worry because monies coming in from visitors provide an important part of the gardens income. To help encourage more people to visit the garden it has hosted five food festivals (Oriental, British, Mediterranean, Andean and Afro-Caribbean). The aim was to attract people from different parts of the city – especially those who have not been in the garden before. The article concluded with a comment from Tim, "We want to get over the misunderstandings about the role plants play in our lives. We must widen our visitor profile – a lot of people are missing out."

John (Log) Whitehead (1972) sent a photocopy of newspaper articles and photographs relating to a rare sighting of the black lark in Anglesey and Log enclosed in diving gear during an RNLI Maritime festival on the beach at Holyhead! Notes from John adjacent the photocopy read as follows: "On 8th June Bren (**Brenda March**) and I spotted the black lark on its first visit to be recorded in the UK – Holy Island. On 11th June. **Margaret Johnson** (Kew) missed the black lark on Holy Island, but spotted the rare welsh leek. On 1st August, Bren and I photographed the **welsh leek** in full bloom on Holy Island Anglesey. Also on 1st August we spotted a sign 'Try dive £10' at the Life Boat Festival, Holyhead. On 2nd August a local newspaper spotted a 'Log' on his first dive into the deep vertical world of the Sea Weed Forest of north Wales."

A further note received in December included mention that **Margaret Johnson** and **Tony Kirkham** had a successful arboricultural visit to Turkey this year. Log and Bren also had contact with: **Jim Emerton** (1972) and mentioned his pigeon passion in Yorkshire; **Barry Phillips** (1972), contacts via Italy and Devon; and lastly that they had received e-mails from **Malcolm Leppard** (1971) in Zimbabwe. Many thanks Log for forwarding your news.

WAKEHURST PLACE WEATHER – JANUARY TO DECEMBER 2003

2003	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year (Totals)
Month's Total rainfall (mm)	114.1	37.6	18.9	37.3	54.3	38.0	87.0	47.9	6.6	51.8	141.1	94.0	728.6
<i>For Comparison 2002</i>	102.9	109.9	56.8	41.3	139.3	61.1	83.6	47.4	39.3	83.0	186.2	168.7	1,120
<i>For Comparison 2001</i>	(129.9)	(123.5)	(119.8)	(85.0)	(32.4)	(15.6)	(53.1)	(99.9)	(102.5)	(159.3)	(40.7)	(28.3)	(989.5)
<i>For Comparison 2000</i>	[35.9]	[83.0]	[22.5]	[123.9]	[120.1]	[14.9]	[47.5]	[38.6]	[137.3]	[288.7]	[222.0]	[202.5]	[1,336.9]
<i>For Comparison 1999</i>	{120.8}	{8.35}	{40.2}	{56.5}	{33.7}	{60.5}	{10.2}	{117.5}	{152.7}	{66.8}	{36.4}	{165.8}	{869.45}
Rainiest day (mm)	18th 35.3	28th 10.3	7th 6.2	27th 11.0	14th 16.2	30th 11.0	15th 23.4	28th 38.0	27th 3.2	30th 21.9	22nd 32.2	27th 35.9	
Rainless days	7	14	20	18	11	19	17	28	25	19	8	10	
Highest Max. Temp. (°C)	13.2 25th	15.9 24th	21.3 27th	28.7 16th	31.4 30th	31.1 29th	34.7 14th	38.9 10th	30.3 20th	22.7 11th	20.5 6th	12.2 13th	
Lowest Max. Temp. (°C)	1.4 8th	1.2 4th	8.8 12th	9.6 9th	13.7 16th	19.2 8th	19.7 31st	16.1 29th	15.8 23rd	9.8 22nd	7.6 23rd	4.4 22nd	
Highest Min. Temp. (°C)	9.2 2nd	7.7 8th	10.6 29th	13.1 14th	13.9 6th	15.8 19th	16.4 11th	28.0 5th	15.4 22nd	12.7 2nd	11.1 19th	8.3 25th	
Lowest Min. Temp. (°C)	-4.6 8th & 12th	-4.6 18th	0.7 22nd	-0.5 10th	3.3 on 13th	8.9 29th	10.8 on 7th	10.5 19th	4.0 24th	0.6 25th	0.8 25th	-2.8 16th	
Nights with air temp. below freezing	10	8	1	4	0	0	0	0	0	0	0	3	
Windiest Day	20th S 27 mph	4th NW 20 mph	10th WSW 25 mph	20th NE 21 mph	3rd SW 25 mph	9th WSW 23 mph	26th SSW 19 mph	22nd W 16 mph	23rd & 24th WNW 15 mph	24th NW 24 mph	15th WSW 26 mph	5th ENE 27 mph	

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Rainiest day (mm)	18th 35.3	28th 10.3	7th 6.2	27th 11.0	14th 16.2	30th 11.0	15th 23.4	28th 38.0	27th 3.2	30th 21.9	22nd 32.2	27th 35.9	
Rainless days	7	14	20	18	11	19	17	28	25	19	8	10	
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OBITUARIES

GEORGE PRESTON A.H.R.H.S, F.L.S.

1911-2003

When I entered Kew, I carried with me memories of training at Manchester Parks. Not only the thoughts of fine plant collections, but memories of very strict bosses with an amazing depth of experience. This precious love of plants was a jewel that was held in the secure temple of disciplined husbandry.

George Preston was of that ilk. You knew that as he walked about his department, Alpine and Herbaceous, his gaze would be ever watchful for the smallest weed and the slightest aberration in the regular straight lines of the order beds and the first fading of any flower in the **Iris** beds. Those **Iris** flowers had to be removed before the next dawn. Order was everything.

George was born on the 11th September 1911 and educated at the County High School in Cambridge. Imagine what it must have been like for him to grow up in Cambridge Botanical Gardens where his father was first of all Foreman and then Superintendent.

He was 16 years of age when he started work in the botanic garden and attended lectures on botany at the university. Six years later he entered The Royal Horticultural Society's garden at Wisley where he worked in the show and fruit houses and later in the Tree, Shrub and Herbaceous collections. He gained his RHS Diploma in Horticulture and won First Prize for the highest marks.

On the 31st December 1934 George entered Kew. He gained a distinction in Arboriculture and Forestry and Plant Pathology. In 1935 he obtained his Kew Certificate. In 1936 he was made Foreman in the Herbaceous Department and soon afterwards was promoted to Assistant Curator, a post he held until retirement in June 1972.

His was an illustrious and distinguished career. In 1953 George was elected a Fellow of the Linnaean Society. In 1954 he revised Coult's *All about Gardening* and in 1973 he revised the *Wisley Handbook on Climbers*. In 1966 he won the Lytell Cup for his work on the cultivation of *Lilium* and *Nomocharis* or *Fritillaria*. The **Iris** Garden at Kew was renowned and it provided George with a rich study base. In 1966-67 the British **Iris** Society awarded him the Foster memorial Plaque. He sat on numerous RHS Committees and he was a familiar figure at the shows. He was Vice President of the Kew Guild 1973-75.

George was always a keen photographer and his collection was filed with some considerable detail and care. George was a keen sportsman and was Honorary Secretary of the Tennis Club and Captain of The Cricket Club. Most thought he was a confirmed bachelor until in 1960 he married Joan Turner.

George was one of those experts who carried much more knowledge than could ever be revealed but through the application of strict and focussed discipline in the

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George was one of those experts who carried much more knowledge than could ever be revealed but through the application of strict and focussed discipline in the

craft provided the context and the opportunity for those following in his footsteps to carry on the good work.

To his family we send our deepest condolences.

WINIFRED WORTH

1915 – 2003.

Winifred Emily Worth, who died in May of this year, aged 87, joined the gardens staff in 1975. She was born Winifred Lee in Enfield, Middlesex, on 14th September 1915. Her earliest memory was when, aged three, the sun came out at night . . . the 'sun' being a Zeppelin shot down in flames near where the family lived. The awfulness to her of the implications is perhaps what founded her lifelong pacifism. The family moved to Sutton Coldfield and then to Liverpool, from where she went to the Quaker boarding school at Ackworth in Yorkshire. Her father, who had spent many years in India, was a keen photographer and artist. Following this example Winifred studied art at Liverpool and then took a position at Saffron Walden School in Essex. She maintained her artistic interest throughout her life, notably with line drawings which she produced intermittently until arthritis made this too difficult.

At Walden she met her husband-to-be, Leslie. They married in 1942. After the war and via a spell in Harrow, they moved in June 1953 to Kew. Their house in West Park Avenue was the family home for 40 years. Winifred was the homemaker, giving unassuming support to her family. Her children acknowledge the care, yet freedom and personal responsibility she gave them, a freedom she felt is sadly rare from many parents today. The home was host to parties, coinciding with the rugby season, at which she would feed the horde with quantities of homemade soup and fresh bread. The acknowledged signal to leave was in the early hours when Winifred started the Hoovering.

With Leslie she enjoyed walking in the Yorkshire Dale, stays at Mrs Mittens' B&B in Luttondale being a particular favourite. She was a lover of music and song in many forms. As ever, she was not merely content to observe but wanted to participate. She started piano lessons in her 60s and continued playing well into her 80s. It was the same with French. Having let this lie dormant since school, she took up lessons late in life and was even leading a French class conversation group a couple of years before she died.

But her major love was plants. Not just gardening, but the scientific understanding of plants. Living at Kew of course gave the perfect opportunity to satisfy her interest. Her children too were introduced to the Gardens with weekend walks, at a time when entry was only 2d. Her labour of love at Kew Gardens was the joy of her life. Winifred worked at Kew from 1979 through to 1984 Her caring attitude was celebrated through her work as a member of the Threatened Plants Committee of the International Union of Conservation of Nature. She worked at Kew but was employed by the IUCN. In addition she worked part time with Hugh Synge and Gren Lucas in the Botanic Gardens Conservation Co-ordination body. Her concern

for the Gardens and her fellowship with those she worked with was sustained as a member of the Kew Guild, serving as Guild Secretary from September 1985, and as a Friend of Kew when, after the death of her husband in 1991, she felt the need to move away to be near family.

Latterly she lived in a Christian-spirited retirement home near Leicester where she died peacefully. She would have been pleased by the many kind messages at her funeral from those associated with Kew. She leaves her son, David, her daughter, Barbara and six grandchildren. When her grandchildren were telling of the things they had done she would respond by smiling and saying calmly, "Jolly good." Winifred, too, was 'jolly good.'

**THE KEW GUILD STATEMENT OF FINANCIAL ACTIVITIES
FOR THE YEAR ENDED 31st DECEMBER 2003**

	General Funds £	Restricted Funds £	Endowment Funds £	Total 2003 £	Total 2002 £
INCOMING RESOURCES					
Subscriptions	5,664.58			5,664.58	6,038.38
Donations and Legacies	25.00	2,280.00		2,305.00	2,752.53
Investment Income – COIF	1,293.72	4,524.64		5,818.36	5,818.36
– Interest	1,277.46			1,277.46	1,270.93
Annual Dinner	2,274.00			2,274.00	1,654.50
Sale of “Kew Plantsmen”	555.00			555.00	820.00
Sale of Emblems	2.00			2.00	4.00
AGM Soiree	372.50			372.50	0.00
Raffle	1,821.00			1,821.00	0.00
	13,285.26	6,804.64	0.00	20,089.90	18,358.70
RESOURCES EXPENDED					
Direct charitable expenditure:					
Kew Guild Journal	3,350.13			3,350.13	4,232.00
Prizes	495.00	11.00		506.00	507.00
Awards		4,950.00		4,950.00	5,530.00
Annual Dinner	2,658.29			2,658.29	2,090.91
AGM Soiree	213.48			213.48	0.00
Postage	533.63			533.63	303.83
Gavel and Box		100.00		100.00	0.00
Other expenditure:					
Insurance	39.44			39.44	38.24
Honorary Officers’ Expenses	55.06			55.06	42.00
Stationery and Printing	1,331.98			1,331.98	591.40
Website Software	238.53			238.53	874.72
Raffle	168.95			168.95	0.00
Minute taking service	200.43			200.43	0.00
Sundry	236.70			236.70	112.51
	9,521.62	5,061.00	0.00	14,582.62	14,322.61
NET INCOMING RESOURCES	3,763.64	1,743.64	0.00	5,507.28	4,036.09
OTHER RECOGNISED LOSSES/GAINS					
Gains/Losses on investments:					
Unrealised	3,279.58	4,127.47	7,670.59	15,077.64	-35,807.15
NET MOVEMENT IN FUNDS . . .	7,043.22	5,871.11	7,670.59	20,584.92	-31,711.06
Balances brought forward at					
1 January 2003	59,545.63	41,231.61	69,085.40	169,862.64	201,633.70
BALANCES CARRIED FORWARD AT					
31 DECEMBER 2003	66,588.85	47,102.72	76,755.99	190,447.56	169,862.64

**THE KEW GUILD STATEMENT OF FINANCIAL ACTIVITIES
FOR THE YEAR ENDED 31st DECEMBER 2003**

	General Funds £	Restricted Funds £	Endowment Funds £	Total 2003 £	Total 2002 £
INCOMING RESOURCES					
Subscriptions	5,664.58			5,664.58	6,038.38
Donations and Legacies	25.00	2,280.00		2,305.00	2,752.53
Investment Income – COIF	1,293.72	4,524.64		5,818.36	5,818.36
– Interest	1,277.46			1,277.46	1,270.93
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Sale of Emblems	2.00			2.00	4.00
AGM Soiree	372.50			372.50	0.00
Raffle	1,821.00			1,821.00	0.00
	13,285.26	6,804.64	0.00	20,089.90	18,358.70
RESOURCES EXPENDED					
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Awards		4,950.00		4,950.00	5,530.00
Annual Dinner	2,658.29			2,658.29	2,090.91
AGM Soiree	213.48			213.48	0.00
Postage	533.63			533.63	303.83
Gavel and Box		100.00		100.00	0.00
Other expenditure:					
Insurance	39.44			39.44	38.24
Honorary Officers’ Expenses	55.06			55.06	42.00
Stationery and Printing	1,331.98			1,331.98	591.40
Website Software	238.53			238.53	874.72
Raffle	168.95			168.95	0.00
Minute taking service	200.43			200.43	0.00
Sundry	236.70			236.70	112.51
	9,521.62	5,061.00	0.00	14,582.62	14,322.61
NET INCOMING RESOURCES	3,763.64	1,743.64	0.00	5,507.28	4,036.09
OTHER RECOGNISED LOSSES/GAINS					
Gains/Losses on investments:					
Unrealised	3,279.58	4,127.47	7,670.59	15,077.64	-35,807.15
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Balances brought forward at 1 January 2003	59,545.63	41,231.61	69,085.40	169,862.64	201,633.70
BALANCES CARRIED FORWARD AT 31 DECEMBER 2003	66,588.85	47,102.72	76,755.99	190,447.56	169,862.64

**THE KEW GUILD BALANCE SHEET
AS AT 31st DECEMBER 2003**

	31 Dec 2003		31 Dec 2002	
	£	£	£	£
FIXED ASSETS				
Investments		150,874.84		135,797.20
		<hr/>		<hr/>
CURRENT ASSETS				
Debtors	323.66		300.60	
Charities Deposit Fund	39,500.00		34,500.00	
Cash at Bank	342.11		434.19	
		<hr/>		<hr/>
		40,165.77		35,234.79
LIABILITIES				
Life Subscriptions	43.05		44.63	
Creditors	550.00		1,124.72	
		<hr/>		<hr/>
		-593.05		-1,169.35
NET CURRENT ASSETS		<hr/>		<hr/>
		39,572.72		34,065.44
		<hr/>		<hr/>
NET ASSETS		<hr/>		<hr/>
		190,447.56		169,862.64
		<hr/>		<hr/>
FUNDS				
General		66,588.85		59,545.63
Restricted		47,102.72		41,231.61
Endowment		76,755.99		69,085.40
		<hr/>		<hr/>
		190,447.56		169,862.64
		<hr/>		<hr/>

These accounts were approved by the Committee on 30th January 2003.

Jennifer J. Alsop
Honorary Treasurer

**THE KEW GUILD NOTES TO THE ACCOUNTS
AS AT 31st DECEMBER 2003**

1. ACCOUNTING POLICIES

The accounts are prepared under the historic cost convention, except investments which are stated at valuation, and in accordance with applicable accounting standards.

2. SUMMARY OF NET ASSETS BY FUNDS

	General Funds £	Restricted Funds £	Endowment Funds £	Total 2003 £
Fixed Assets	32,817.19	41,301.66	76,755.99	150,874.84
Net Current Assets	33,771.66	5,801.06		39,572.72
	<hr/> 66,588.85	<hr/> 47,102.72	<hr/> 76,755.99	<hr/> 190,447.56 <hr/>

3. ENDOWMENT FUNDS

The endowment funds are for the following purposes:

**Value at
31 December 2003
£**

Edna Redman Travel Scholarship

The income from this endowment is to be used to assist with travel costs for appropriate projects as agreed by the Award Scheme Committee. 40,340.25

Edith Anne Dallimore Bequest

The income from this endowment is to be used to assist with arboricultural study as agreed by the Award Scheme Committee. 23,002.02

Tom Arnold Bequest

The income from this endowment is to be used to assist with student nursery work as agreed by the Award Scheme Committee. 5,098.64

Tom Reynolds Award

The income from this endowment is to be used to provide a prize to the best Kew Diploma student in Plant Physiology and Biochemistry. 281.65

James Harold Turner Fund

The income from this endowment is to be used to make awards as agreed by the Award Scheme Committee. 7,303.10

Joseph Robert Sealy Fund

The income from this endowment is to be used to meet the cost of updating the Presidents' and Major Donors' Boards or as the Committee decides. 730.33

76,755.99
