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The Association of members of the Kew staff past and present

Events of 1976

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**Royal Botanic Gardens
Kew**

ROYAL BOTANIC GARDENS
KEW

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G. PATTISON (Dinner and Emblems).
A. HART (Award Scheme).

EDITORIAL

Looking back through past editions of the Kew Guild Journal, members will see that the last time an editorial was written was in 1963—and that was one brief paragraph only.

As your new Editor I wish to give members more opportunity in future for comments and discussion and, in so doing, to identify themselves more closely with the main function of the Guild, which is to "Promote mutual and friendly intercourse between past and present Kewites, and to foster their interests". I invite all members to send articles and especially news of themselves or colleagues, publications for review and even "Letters to the Editor". Latest date for copy should be sent c/o The Kew Guild Secretary, Kew Gardens, by mid-January 1978 for the next edition.

The front cover and first page have been redesigned in a more modern format whilst retaining the original size to make for the sake of convenience and in the interest of economy. The price of production to the Guild has not risen this year.

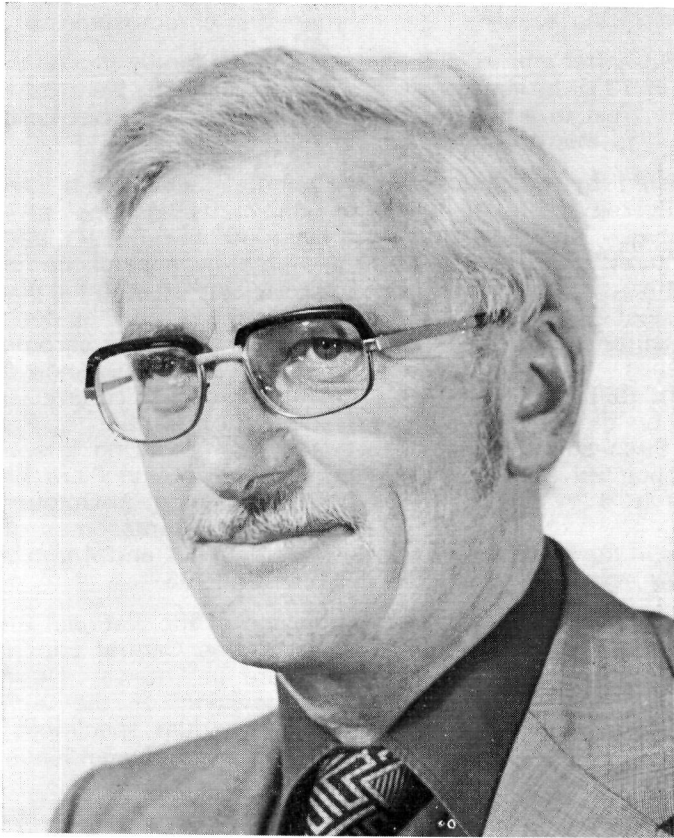
I hope you will help boost membership and ensure receipt of your Journal in future by inviting old colleagues to join the Guild, and by prompt notification of changes of address. Members are reminded that those more than one year in arrears with their subscription will not receive further publications until the arrears are fully paid, and that the new subscription rate, applicable since 1974, is £2 (£1 for students). Names and addresses of those in arrears are also likely to be omitted from the Journal list.

We must apologise to members for the late publication of the 1975 issue of the Journal and hope that future editions will appear at the usual time, that is, at the Annual Dinners in May, thus enabling us to make considerable postage savings.

I would like to record my thanks to all those Committee members and others who have worked so hard to help get this edition published by the optimum date, including those who have so efficiently and willingly contributed articles and other information.

In conclusion, I trust that members enjoy their reading of this new style edition, and that it will provoke discussion and action towards the betterment and objects of the Kew Guild. See you on 10th September at the A.G.M. ! Floreat Kew !

RICHARD C. WARD, *Editor.*



Dr KEITH JONES, B.Sc., Ph.D., F.I.Biol., F.L.S.
President

KEITH JONES
President 1976-77

Keith Jones was born at Bridgend, Glamorgan, on 16th February, 1926, showing no early signs of interest in chromosomes or plants.

In 1932 after a brief sojourn in Cardiff his family moved to Neath where in 1938 he entered Neath County School. Here he took as much interest in athletics and rugby as in science but he became attracted to microscopy and genetics.

Assisted by a Glamorgan Agricultural Scholarship he began his university education at the University College of Wales, Aberystwyth, in 1944 and was awarded an honours degree in Agricultural Botany in 1947. By this time, because of the fortunate appointment of Dr. P. T. Thomas, formerly cytologist in the pomology department of the John Innes Institute, to the staff of the department of Agricultural Botany, he was keenly interested in chromosomes and genes. In the autumn of 1947 as a British Council Scholar he went to the Netherlands to spend a year of chromosome research on the genus *Verbascum* under the direction of Professor M. J. Sirks at the University of Groningen. During this time he was appointed as the first cytologist at the Welsh Plant Breeding Station at Aberystwyth taking up his appointment in October 1948. During the next 10 years he studied the chromosomes of grass species in the genera *Agrostis*, *Dactylis*, *Holcus* and *Anthoxanthum* and was awarded the degree of Ph.D. in 1956.

In 1958 he was awarded a Fellowship of the National Research Council of Canada and spent a year at the Central Experimental Farm of the Department of Agriculture in Ottawa. During this period he undertook a taxonomic revision of the *Agropyron cristatum* complex based largely on herbarium specimens, many coming from Kew. This experience of taxonomy and nomenclature proved to be a turning point in his career.

On returning to his job in Aberystwyth at the end of 1959 he had a new insight into the processes of plant classification which led him to apply for the post of Principal Scientific Officer to start a section of cytology at the Jodrell Laboratory. He took up this post on 1st May, 1960, in the original building and began chromosome studies on a wide range of plants including Orchidaceae, Liliaceae, Asclepiadaceae, Crinum, Dianthus and Selaginella. He began to lecture to students in the old Iron Room in the same year giving the course on Plant Breeding and Genetics formerly given by Dr. Turrell.

In 1963 he was awarded a Kellogg Fellowship to study at the Botany Department of the University of California at Los Angeles for a period of six months.

In October 1969 following the retirement of Dr. C. R. Metcalfe he was appointed Keeper of the Jodrell Laboratory.

In 1972 under the auspices of the Royal Society and the National Research Council of Argentina he spent five months in Argentina giving a postgraduate course on Chromosome Evolution in Buenos Aires and collecting plants in the north of the country. In the autumn of 1972 he was invited by the British Council and Yugoslavian Universities to lecture at Universities and Botanical Institutions in Yugoslavia.

In the same year he was appointed as Visiting Professor at Queen Mary College of the University of London—an honorary post which strengthens the ties between Kew and that university. He is also accorded staff status of the University of Reading.

He became a Fellow of the Linnean Society in 1961 and was elected Fellow of the Institute of Biology in 1972.

He was Secretary of the old Sports and Social Club 1961-3 and formed, and played in, a mixed hockey team. He also played cricket for the students from time to time.

He married Diana Jean (née Jones !) in 1952. They have a daughter, Josephine, aged 21, now studying medicine at the University of Sheffield, and a son, Anthony, fifteen, a pupil (and rugby player) at Hampton School.

He was member of Kew Guild Committee 1961-1965.

His current research is in the processes of chromosome evolution using a vast living collection of Commelinaceae as the experimental materials. He has published about 50 papers and has delivered hundreds of lectures to University or Society audiences including many to students at Kew.



JACK CHEEK
Vice President

JACK CHEEK
Vice-President 1976-77

Jack Cheek (whose family originated in rural Essex) was born in London in 1904. In 1919 he entered the service of the London County Council, where experience was gained in glasshouse management, recreational areas, and general out-door techniques—classes were attended at Norwood Technical and Chelsea Polytechnic in subjects allied to horticulture.

In February 1919, he entered Kew as a student gardener and was particularly interested in the Swimming Club of that time.

He was offered an exchange vacancy at "La Motola," Ventimiglia, Italy, where valuable experience was gained in the cultivation of sub-tropical plants, methods of floral decorating, and in the control of labour.

On his return to Kew, he was posted to the "Temperate House" (under the late Mr. C. P. Raffle), until he left to enter the service of the City of Manchester Parks Department under the late Mr. W. W. Pettigrew. In 1933, he was appointed Head Gardener and became responsible for park maintenance and all the Civic floral decorating (under the late Mr. J. Richardson).

On the outbreak of War, many areas were taken over for "Food Production" and large quantities of produce were supplied to the various Services. Assistance was given to numerous committees in their "Dig for Victory" campaigns by arranging shows, talks, demonstrations and "brains trust" evenings throughout the city.

After the War, a great deal of re-instatement work was carried out which proved difficult as the equipment available was mainly farming machinery.

Re-organisation of the Department took place and he was promoted to "District Superintendent" with increased responsibilities. The Manchester Show was started in a modest way in 1950 and increasing public interest caused many allied horticultural subjects to be included.

Training of apprentices has always been an important feature in Manchester, and Jack Cheek was associated with it for many years, as well as being part-time lecturer for the Manchester Education Department and for other organisations, and a well-known judge at shows. Mr. Cheek holds an R.H.S. Long Service Medal.

He retired in 1969 and moved to Maidenhead with his wife Ellie and keeps fairly active with a large garden, judging, giving "talks" to local societies and visiting National Trust Gardens in various parts of the country.



RICHARD WARD A.Inst.P.R.A.(Dip.)
Editor

THE NEW EDITOR, RICHARD C. WARD

Pressurised into the job of Editor of the Journal by lack of any other volunteers, Richard Ward has had no past editorial experience, but retains a good deal of goodwill for the Guild, having lived in Kew for 13 of the past 15 years. Also as a result of serving on the Committee from 1972-1975.

He started his career in 1959 as an indentured apprentice under J. Johnson at Dartington Hall for two years. This was followed by one year as an improver under W. V. Cassidy at Hastings Parks Department and a short spell at Slococks Goldsworth Nursery before being accepted on the April 1961 Kew Students' Course.

Immediately after the course, he spent time hitch hiking overland to Israel, combining business with pleasure by way of studying local flora, and shortly after his return he was accepted as a student at the College of Park Administration at Lower Basildon. In 1965 he was appointed Landscape Assistant with Harlow Development Corporation, and a year later was successful in applying for a similar post with Richmond Parks Department, under Arthur Woodward and qualified (D.I.P.R.A.) in 1967. In 1971 he bought a flat in Kew and moved to Hammersmith Parks Department. A year later he married and went to live in Denmark, following which he spent 1½ years travelling overland by car with his wife to India and Africa. (See write-up on ex-Kewites they met in "Events" of 1975 Journal.)

Richard returned to Kew in 1975 and was reappointed Technical Assistant at Hammersmith. In 1976 he obtained the post of Assistant Manager (Technical) in the same Department. His hobbies include travel and photography and he is a member of Richmond Round Table.

* * *

The Editor gratefully acknowledges the help of all Committee members and others who helped make it possible to produce this edition in half the usual time.

ANNUAL GENERAL MEETING OF THE KEW GUILD, 1976

On Saturday, 11th September, 1976, 43 members gathered in the Jodrell Lecture Theatre at 2.35 pm for the Annual General Meeting. The President, Mr. C. E. Cherry, took the Chair, accompanied on the platform by the Hon. Secretary, Mr. F. N. Hepper, the Hon. Asst. Secretary, Mr. M. J. S. Sands, and the Hon. Treasurer, Mr. R. Hughes.

The President first welcomed members to the meeting, and then expressed the congratulations and best wishes of the Guild to Mr. J. P. M. Brenan (Guild President for the year 1972-73, and present at the meeting) on his recent appointment to the position of Director of the Royal Botanic Gardens, Kew.

All members present then stood in tribute to Kewites who had died since the last Annual General Meeting: A. J. Brooks (1903), H. Burton (1903), W. Franklin (1926), A. J. Hopkins (1926), Miss A. Hutchins (1917), D. J. Pringle (1956), W. J. Ringia (1969), G. W. Robinson (1937), J. C. Taylor (1936), H. Thomas (1911), C. C. Van Rynveld (1938).

Apologies for absence, received from several members, were announced by the Hon. Secretary, and because of the delay in publication of the Journal, the *Minutes* of the last A.G.M. were read to the meeting before being adopted. There were no matters arising.

The Committee then reported as follows:

The Hon. Treasurer first presented the *accounts* for the year ended 31st December, 1975, copies of which were circulated in typescript at the meeting. The overall position remained sound, income exceeding expenditure by £148.31 despite an outlay of £1,080.00 for the printing of the Wakehurst Place booklet, offset in part by sales of the booklet up to the end of 1975 totalling £696.28. Mr. Pemberton questioned a liability figure of £615.92 recorded as lost revenue and deficit on the Wakehurst booklet account, and there followed a discussion on the correct procedure for incorporating this item. The Hon. Treasurer's apologies for not presenting printed accounts were accepted by the meeting, but several points of detail, particularly with regard to the booklet figures, remained in doubt, preventing formal adoption. Therefore it was proposed by Mr. Brown, seconded by Mr. Prockter and agreed that the committee should resolve the matter, and, subject to further audit, prepare revised accounts for eventual printing in the Journal (or as an insert) without recourse to another General Meeting. The Hon. Treasurer then reported that for the half-yearly period ended 30th June, 1976, the deposit account figure had been £1,002.73 with £306.46 in the current account. It was noted that a loss on the Dinner was an item of expenditure and serious concern was expressed by Mr. Prockter and others regarding delay in cheque clearance covering ticket payments. The President elect, Dr. K. Jones, then supported a committee proposal to update and

reprint the Wakehurst Place booklet, and at the conclusion of a discussion on cost and quantity in the light of the account figures, it was agreed unanimously that the committee should be responsible for deciding the numbers required and the timing of a reprinting order.

The Hon. Secretary reported, on Mr. Pattison's behalf, that the *sale of ties and badges* had improved, with 6 ties already sold so far in 1976 compared with a total of 7 in 1975, and 7 scarves as opposed to 3. The re-ordering of badges was discussed and, by a majority vote, it was agreed that silk embroidered ones at £5 each should be acquired rather than the gold wire type at a cost of £15 each.

In association with the difficulties of finalising the accounts, current details of *membership* were not available for presentation at the meeting, but the Hon. Secretary indicated that the total number of members remained at approximately 700.

Mr. Hepper reported that Mr. M. J. Dawes (not present at the meeting) would be unable to remain in office for a further term as Hon. Editor, but that he would continue with the preparation of the 1976 *Journal*, currently said to be in a proof stage. It was predicted that at least one more month could be expected to elapse before its publication.

During the past year no photographs had been added to the Kew Guild collection.

An account of the *dinner* appears elsewhere, but it was noted at the meeting that, despite a loss of £20, the occasion at Imperial College had once more been a successful one with 137 members and their guests attending. In 1977, rising costs were expected to increase ticket prices yet again, perhaps to £5 or more. Accordingly, a change of venue and the alternative of having a buffet were discussed and in conclusion, a formal expression of opinion, proposed by Mr. Storey and seconded by Mr. Burgess, was supported by a vote in favour of trying a buffet in May 1977. The event would continue to take place in the Imperial College refectory.

Mr. Brown, as Vice-President, represented the Guild at the *Students' Prize Day* which had been well attended. Mr. Brennan, the new Director, had been on the platform to welcome the Earl of Rosse, who, in his speech, praised the valuable training of the Kew course and spoke of the National Trust including work being undertaken at Ham House.

Retiring members of the Committee were as follows: Messrs. J. Elsley, B. E. Little, G. A. Pattison, J. O. Taylor and Miss M. Spicer (Student representative), with Mr. S. J. Henchie as Auditor. In addition the resignations were accepted of Mr. F. N. Hepper (Hon. Secretary), Mr. M. J. Dawes (Hon. Editor) and Mr. R. Hughes (Hon. Treasurer). The President thanked the retiring members and the officers for their help in the past year and, on behalf of the Guild, expressed especial thanks to Mr. Hepper for 8 years' hard work as Honorary Secretary. Mr. C. E. Cherry and

Mr. G. E. Brown also completed their term as President and Vice-President respectively.

A committee proposal to appoint an *Honorary Membership Treasurer* to deal with matters related to subscriptions and members' addresses, was discussed briefly and it was unanimously agreed that the words "Honorary Membership Treasurer" should be added to the list of officers in rules 9a and 10a of the Kew Guild.

Elections of Officers, Members of Committee and Auditor. Dr. K. Jones, Keeper of the Jodrell Laboratory, being the Committee's nomination, was elected as President for the year 1976-77. On taking the chair, he expressed the thanks and appreciation of the Guild to Mr. Cherry, the retiring President, for his year of office. The resignation of Mr. R. Hughes (Hon. Treasurer) and Mr. M. J. Dawes (Hon. Editor) having occurred after the statutory closing date for nominations, no formal election could take place but it was agreed unanimously that Mr. R. H. Rule and Mr. R. C. Ward should be co-opted by the Committee at its first meeting after the A.G.M. to fill these two vacancies respectively. A ballot was then held to elect from three nominations, the two new "home" members of the Committee. Mr. M. Clift (Waterers) and Mr. M. Norton (G.L.C. Training Officer) were duly chosen and the remaining Committee Members and Officers were elected *en bloc*, their names appearing at the beginning of this *Journal*. Mr. W. Nelmes (President Elect) and Mr. A. J. W. Cheek (Vice-President) both addressed the meeting briefly.

The Award Scheme of the Kew Guild. Mr. Cherry, for the Award Scheme sub-committee, was able to report a current total fund of approximately £1,100, with an income so far in 1976 exceeding that in the previous year. The first award had been made to Miss S. Leche, and a contribution of £233 towards the fund had been received from industry. The draw for Miss Grierson's painting had so far yielded £132 and tickets would still be available for some time as the closing date had been put forward to 1st December. All members of the sub-committee were thanked unanimously by the meeting for their work in promoting and advancing the scheme. (See also report elsewhere in this journal.—Ed.)

Report on the Students' Accommodation. Mr. Hepper reported that a note received from the former Director, Professor Heslop-Harrison, indicated that, with places for 12 students almost completed in Hanover House, there would now be sufficient student accommodation for the idea of a Guild Housing Association, discussed previously, to be set aside. However, he had been grateful for Guild support in negotiations with the Ministry leading to the successful development of extra rooms for the students.

Before the meeting closed, under Any Other Business, Mr. Ward remarked that, in view of the small percentage of the membership attending the A.G.M. in September each year, the meeting might be better held in conjunction with the Dinner. It was agreed that this should be considered by the Committee.

In concluding the meeting, a vote of thanks given by Mr. Stock to the retiring President, Mr. Cherry, and to Mr. Hepper, the retiring Secretary, was unanimously supported.

Shortly after the meeting, which ended at 4.25 pm, members and relatives gathered for tea in the very pleasant surroundings of the first floor gallery of Museum I, with its splendid view over the water to the Palm House.

M. J. S. SANDS, *Hon. Asst. Secretary.*

Editor's Note.

Since the A.G.M. the Kew Guild Committee have met five times up to February 1977 and items discussed have included: The Wakehurst Booklet; details concerning the 1975 and 1976 Journals and Accounts; accommodation for students; the refurbishing of John Smith's tombstone in St. Ann's Churchyard, Kew Green; the investment of the Award Scheme monies; the appointment of Mr. Brennan as trustee in place of Prof. J. Heslop-Harrison; Membership and Publicity; the 1977 Annual Dinner.

DIARY NOTE: The 1977 Kew Guild A.G.M. will be held in the Jcdrell Laboratory, Kew, on 10th September. Tickets—which help give an indication of numbers expected and include for an informal tea afterwards—will be available from the Secretary.

THE ANNUAL DINNER, 1976

By GRAHAM PATTISON, Dinner Secretary

The Annual Dinner of the Kew Guild was held on 26th May at The Refectory, Imperial College, South Kensington. One hundred and thirty-seven people attended. Mr. Noel Prockter proposed a toast to our President, Mr. C. E. Cherry, who replied. The toast of "Our Guests" was proposed by Student Union President Steven Butler and the response was given by Mr. Graham Thomas, V.M.H., Horticultural consultant to the National Trust. Amongst notable visitors were Dr. H. Heine (1961) of Paris, and Mr. Truman Fossum (1936) of the U.S.A.

After dinner, members continued chatting until 11 pm round the Bar.

Whilst a loss of £20 was made in 1976, with tickets at £4.00, it is hoped to break even next year when tickets are likely to cost £5.00.

The 1978 Dinner is being planned, subject to confirmation, at the same venue, on Wednesday, 24th May.

A QUINQUENNIUM OF CHANGE

Professor J. HESLOP-HARRISON, Director, R.B.G., Kew, 1971-76,
and his influence on the Living Collections Division

By J. B. SIMMONS, Curator

Changes to the physical appearance of a garden such as Kew are usually recorded, but changes to the philosophy have to be experienced to be understood. And surely both Professor J. Heslop-Harrison and Dr. Yolande Heslop-Harrison, in their separate but complementary ways, captured the spirit of Kew and intuitively kindled a flame of purpose which gave us reason for a pride in our present, as well as in previous achievements. During the five years of Professor Heslop-Harrison's directorship his influence extended to every aspect of Kew's work, not the least within the scientific divisions, but the purpose of this tribute to his vision is to chronicle some of the major changes within the horticultural part of the Gardens (or Living Collections Division—L.C.D.—as it has now come to be known).

This latter change of title is not without significance, since it reflects the use of a standard nomenclature and line infrastructure for each of the Divisions within the R.B.G. It also indicates a changed organisation which established two Deputy Curator posts, Sections: Services which handles mechanisation, transport, work-one at Kew and one at Wakehurst, and the formation of two new



The new reservoir at Wakehurst Place under construction.

shops and tree surgery and maintenance, and Technical covering micropropagation, science support glass (including quarantine), conservation plant monitoring, technical enquiries and plant distribution.

Within the *Arboretum*, now organised into three Units (North, West and South), the main emphasis has been on re-vitalising the renewal planting programme for the collections with new shrub plantings such as *Oleaceae* (including lilacs), *Escallonia*, *Buddleja* and *Hydrangea* and the enrichment of the tree collections by returning to the original Hooker scheme of adding new and replacement plants to the generic collections such as the conifers, *Quercus*, *Fraxinus*, etc. Associated with this has been the highly successful development of the Tree Maintenance Unit (part of the *Services* Section) which not only deals expertly with all tree surgery and removal but also has been able to undertake a feeding programme for important tree specimens and to provide training experience for our students. Similarly our level of mechanisation has increased and is kept operational by the provision of our own comprehensively equipped workshops. The re-organised and hard surfaced Arboretum Yard is now able to handle thousands of tons of materials annually and provides a regular and sufficient supply of well rotted organic material for use throughout the hardy collections.

The present *Herbaceous* Section (Herbetum) has increased in size to include all of the bedding areas and the Queen's Garden (the Rose Garden is now a part of the Arboretum North) and has seen several landscape changes such as the Grass Garden with its emphasis on education, the variegated plant border and bulb plantings in the Duchess Garden, the chamomile lawns and period landscape in front of Kew Palace, the Victorian tile beds and vase at the bottom of Broad Walk (near the previous site of The Sower since this bronze now more appropriately graces the Grass Garden), and a *Dahlia* border near Kew Palace. Behind House No. 1, which has also externally acquired two new beds with vases, a nursery has been established for the open-ground production of herbaceous plants.

The new Alpine House, currently under construction near the Jodrell, will perhaps be one of the most significant buildings of this period with its pyramid form and cantilevered sides over a moat-like water tank which extends around the perimeter. The iron framework was specially fabricated for this house and welded on site, but the glazing is of a standard commercial pattern. Within the house, which is to be landscaped, there is to be a cooled area for both arctic-alpine and tropical-montane plants.

The *Temperate* Section (tender woody plants) which includes the Palm House, Temperate House and Arboretum and Temperate Nursery has been perhaps preoccupied for this period with the future of the Temperate House, depressingly run down and depleted of plants. Fortunately all is now well, renovation has commenced

and will take three years to complete. The rebuilt house will, in design, be faithful to the Burton original but instead of wood, iron and aluminium will be used to give a more durable structure. A new boiler house is being constructed in the Stable Yard so that the problems associated with the present subterranean boilers and low chimney stacks (sooted glass, cracked stacks, oil delivery, etc.) will be eliminated and the North Octagon basement will then become available for public use and the South Octagon for staff facilities.

Before rebuilding, the nursery was extended to house the repropagated collections and this small unit is now functioning effectively and will in future be able to accommodate specimens that once necessitated benches in the Temperate House.

The *Tropical* Section (tender herbaceous plants) which has also been enlarged to include the Conservatory, has as it were "taken over" the new Lower Nursery with its extended range of propagation and collection houses and with the extra space has been able to progress with the landscaping conversions of the previously benched display Houses 2, 3, 4 and 5, and will continue with the "T" Range. The Curator's office has now been established in the Lower Nursery also.

Thus it can also be seen that the old Decorative Section is no more, and in its place rises the new *Technical* Section with its Micropropagation Unit occupying new and specially designed quarters in Aiton House. This recently completed building was the corner stone of Professor Heslop-Harrison's philosophy for the development of technical skills within L.C.D.—a faith now borne out in practice by the Division's routine production of plants from seeds, embryos and meristems using *in vitro* methods. With the work of this Section extending and covering the propagation and distribution of endangered plants and virus-freeing for quarantine production its future potential can only be guessed at.

It is perhaps at Wakehurst, with its more manageable and responsive size of staffing, that the effects of policy change are now most apparent. The concept of whole estate use was taken and developed and the proposed new reservoir not seen as a disaster but rather an asset. (See photo of its construction.) This lower half of our estate (over 200 acres), with its previously discontinuous boundaries preventing access and use, has been unified into a scheme for a forest park. The steep-sided sylvan valley edges a forty-acre lake around which we have complete access and control with newly acquired land and a reed swamp to be created with a barrier erected by the water company.

For strict conservation purposes, in addition to the designated S.S.S.I. (Site of Special Scientific Interest) for the helleborine, we have assigned the whole of the Tilgate Wood area and are left with manageable reserve areas and a still sizeable Arboretum whose landscaping and plantings have already made it a mecca for Gardeners.

The Mansion, which now boasts a cafeteria and exhibition rooms, and a surrounding landscape with amenity emphasis, has been brought into use to provide all the needs of a modern Botanic Garden, from staff rooms to workshops and garages to nursery. In addition the Physiology Section has now acquired a modern glasshouse range and nursery. Thus the garden with its specialist collections is in every way a complement to, not a duplicate of, Kew.

In summary, all the preceding seems but a few paragraphs of achievements in the Sections and gives little acknowledgment to the endless hours of work, of evenings and weekends, for Director, Curator and key staff who cared that it should be so—but with Wakehurst and these other successes, new and bright jewels have been added to Kew's crown.

And so it is that these changes have been the reflection of new policies. Intra-mural staff training has been a further new venture for L.C.D. and is arranged to complement our Diploma student training programme, which itself advanced to new achievements from a course that had an ailing recruitment problem, to one where each year increases the number and quality of applicants whose success on the course ensures a rich career. The course content has changed and goes on developing. Students travel more, and so do staff, to the extent that the majority of Supervisory and Curatorial staff have now gained field experience overseas.

These fundamental changes and improvements have created new attitudes within the Division. Encouraged by inter-divisional consultative organisations and also, with the acceptance of vital conservation and education policies, the Division's confidence has led to it organising its own affairs from Royal visits to the highly successful International Conservation Conference. Now in a world rôle our advice is constantly sought by overseas agencies and gardens, and within the sphere of European Botanic Gardens we now find ourselves setting the lead in many areas of work. It is also pleasing to record that it is by the improved management and efficiency of all staff that we have been able to take on this range of new work with no overall increase of staff.

For the future, our new central records system is nearly complete and with the aid of the computer this vital unit (which has been formed under the Curation of the Temperate Section) heralds a new approach to the maintenance and use of our botanic collections.

At this time of writing the new offices in the Lower Nursery for Curator, Deputy Curator (Kew) and Planning Unit have just been occupied and a new Director, Mr. J. P. M. Brenan is firm in post to guide us forward. Our future appears more secure than ever. And of our previous Director, Professor Heslop-Harrison, it may be said of five years—a quintessence captured, nurtured, loved and grown to flower—a brief but lasting fulfilment of our destiny.

Kew, February 1977.

THE LIVING COLLECTIONS DIVISION— DEVELOPMENTS DURING 1976

By IAN BEYER, Deputy Curator, Kew

Recalling the events of the past year is a sobering exercise for someone working within the Living Collections Division as it is comparatively easy to recall the problems that had to be faced, whilst the measure of success achieved is often difficult to appreciate. Those who experienced the English summer of 1976 will need no reminding that it was the hottest in living memory, and by September the Gardens resembled a desert with only a few patches of verdant grass where sprinklers had been used to water particularly valuable trees or shrubs. By October, however, the Gardens had miraculously recovered, and once again the problems of mowing grass had to be faced.

On the night of 3rd January the year announced itself with an 80-mile-per-hour gale, but the damage caused in the Arboretum was relatively small. The Gardens Newsletter for the month recalls that it did disturb a pair of Greater Spotted Woodpeckers near Brentford Gate. What action they took or complaint they made is not described.

Winter work completed during the early part of the year included the landscaping of the Temperate Fern House (No. 3) and the



The above photograph shows a scene from the visit of His Imperial Highness the Crown Prince Akihito and Her Imperial Highness the Crown Princess Michiko of Japan (centre) during their visit to Kew on 24th June, 1976. Talking to them is Professor J. Heslop-Harrison, to the right is the Mayor of Richmond, Councillor A. Alcock, and on his left, background, the Director, Mr. Brenan, foreground, the Curator Mr. Simmons.

enlargement of the Banana Bed in the Palm House. The Palm House operation was a major one as it necessitated the removal of heating pipes and gratings, but it has been worthwhile as the area has been considerably increased and does allow for a greater representation of this group of plants. Four blocks of Cornish granite from the old London Bridge which were not required for its reconstruction in America were donated to Kew and these were used to construct a bird feeding platform on the north side of the lake. The public can now feed birds without treading across planted areas. The demolition of the old Quarantine House and Pits in the Melon Yard heralded the second phase for the up-dating of this area. At the time of writing (Feb. 77—Ed.) partially completed aluminium houses to provide better growing conditions for quarantine and scientific support collections are awaiting the installation of heating and other services. On the site of the old Quarantine House a new Alpine House emerges in its glory and will offer many exciting challenges in the future. Coupled with these projects further extension of the glasshouse range in the Lower Nursery was started but will not be completed until the middle of 1977, when all the back-up houses for the Tropical Section will be in the Lower Nursery. Between No. 4 and No. 5 houses, the two planting areas have been used to create sites for the *Yucca* collection and a small scented garden. The scented garden is designed to offer an opportunity for blind people to touch and feel plants and will be developed to meet this aim. Interest has been shown by the Society for Blind Gardeners in this project and it led to a conference being held at Kew during the summer to consider ways and means of teaching the blind the art of gardening.

In January the Queen's Garden was granted one of the top ten awards in the British Tourist Authority Landscape Heritage Competition and a Commemorative Plaque is now proudly displayed in the Garden. An exhibit of British Native Plants gained a gold medal at the Chelsea Flower Show, and an exhibit at a R.H.S. fortnightly show to celebrate the Centenary of Henry Wilson gained a gold medal. The plants displayed represented mainly those he collected in China.

Both Kew and Wakehurst Place enjoyed coverage from the television and radio networks, the latter perhaps getting the most popular screening through the transmission of "Gardener's World" in July. Publicity of this type is very welcome, but whenever possible the scientific contribution Kew makes in the field of botanical science is emphasised.

Official visits by Madame Giscard d'Estaing on the 23rd June, and on the 24th June the Crown Prince and Princess of Japan, caused considerable activity in all the Gardens sections, but fine weather on both days made these memorable occasions. Madame Giscard d'Estaing planted a young *Robinia pseudoacacia* near the Main Gate. This tree was raised from the 200-year-old specimen near the Ferneries which is now becoming very senile. Their Imperial Highnesses the Crown Prince and Princess of Japan

planted specimens of the five preserved trees of Kiso near the Chokushi Mon (Japanese Gateway) in the Arboretum. Other important visitors during the year included the Minister of Agriculture, Mr. Fred Peart, and La Marquesa de Casa Valdes from Madrid. An informal visit by H.R.H. the Princess Alexandra and the Hon. Mr. Angus Ogilvy enabled the Curator to show some of the developments and interesting areas of the Gardens during an evening walk. Many visitors who have been known to Guild members also visited the Gardens and included many old Kewites who we are always very pleased to welcome.

Each year old familiar faces leave Kew and new ones arrive to take their place. Amongst the notable changes this year we have to record the retirement of Bill Bridle who was a supervisor in the Temperate Section from 1951, having originally come to Kew in 1946; (although retired as a supervisor, Bill is still working at Kew for the present as a special gardener in the Arboretum). We also lost our friends Jack Sadler (retired) who had been a supervisor in the Arboretum since 1959 and Tony Harvey, supervisor, Decorative Section, who left to take up a post in Municipal Horticulture. To fill the vacancies caused by senior staff leaving we are pleased to congratulate Mr. Hans Fliegner, previously Gardens Supervisor in the Alpine Section, who has been promoted to the Assistant Curator in charge of Services Section, Mr. Tony Hall has been appointed Gardens Supervisor in the Alpine Section, and Mr. Philip Rutherford also appointed Supervisor in the Alpine Section.

We are pleased to report that the proceedings of the Conservation Conference held in September 1975 were published in September of 1976 under the title of *Conservation of Threatened Plants* and so far this publication has been well received and should provide guidelines for the development of conservation work in botanic gardens throughout the world. (See last edition of the Journal which reported on this—Ed.) The Curator paid a visit during October to Venezuela to advise on a new botanic garden at Maracaibo and from what he had reported, the task was very challenging. It is gratifying to record that Kew is now asked to offer such advice on a world basis and that the reputation which Kew has enjoyed in the past still exists today.

Other major projects which are being undertaken during the winter of 1976 and 1977 are the installation of a main sewerage scheme from the Stable Yard to the Main Road; and a start has been made on the renovation of the Temperate House. Other winter work which is currently being undertaken is a continuation of the landscaping of the Ferneries, and the next phase of this is in No. 2, which has meant the removal of the centre staging to allow a central path with rock work around the perimeter of the House. It will only be possible this year to do the western end of No. 2, with completion in 1977-1978. To allow better use of glasshouse display space, the northern end of No. 4 has been landscaped and a collection of *Gesneriaceae* has been planted.

Looking forward there are still many development schemes to complete. Amongst these will be the opening of the Ice Well to

the public. Old Kewites will remember that this was hidden behind a dense shrubbery and is situated near the T-Range, and it is felt that it is so unique that the public should be allowed access. It has also been necessary during this winter to remove a large proportion of the elm collection due to the ravages of Dutch Elm Disease. Fortunately, measures were taken early enough to re-propagate this material and it is safely housed for the time being in the Arboretum nursery, but running in conjunction with this propagation programme, collections were made of native elms from a wide area of southern England and this material will eventually allow us to build up a reasonable elm collection again when the incidence of the disease decreases.

Looking forward, we hope that the extremely wet winter we have experienced in 1976/7 will be replaced by a pleasant and warm spring but fervently hope that we will not experience a summer such as 1976 again in the immediate future. Obviously much development remains to be done but it is with some satisfaction that the recollections that have been elaborated above contain many elements of success.

Editor's Note

This article should be read in conjunction with J. B. Simmons' article "A Quinquennium of Change" and together they will give the reader a good idea of all that has been happening at Kew recently.

VISIT TO POLAND

By IAN BEYER, Deputy Curator, Kew

The opportunity to undertake a month's study tour of South East Poland followed on from a visit by the Director of the Polish Academy of Sciences Botanic Garden, Warsaw, to Kew during the early part of 1975, and later to the highly successful Conservation Conference in September of the same year.

A very full programme was prepared in advance and it was decided that Messrs. Beyer, Schilling and Keesing would form the party to undertake the visit. Anxious eyes perused maps of Poland to find where all the unfamiliar place names were; what background reading material could be found in the library was consumed but we were still somewhat unprepared for the events of the month which was to follow. We did know, however, that the area we were to visit had a very interesting flora as it contains elements of both eastern and western Europe vegetation. Our programme included visits to all the main National Parks and Botanic Gardens in the area, and we were provided with very good background information on each one. Our visit was to be of one month's duration during which time all accommodation and transport costs would be met by the Polish Academy of Sciences.

A previous visit I had made to Poland during 1974 to attend the Horticultural Congress in Warsaw made me something of an authority on Poland though I had to later admit that this hardly prepared me for the journey we were to experience. On 1st July 1976 we made the short air journey to Warsaw which highlighted the fact that geographically the two countries are not very distant from each other though politically this is the opposite, and the first time visitor expects to be given only limited freedom of movement.

At Warsaw airport Customs and Immigration formalities were quickly completed though a careful check was made on our money, as a visitor is not allowed to take out more than he takes in to Poland. A hair raising ride to our hotel was a foretaste of things to come and many times during the next month we were to wonder how the Polish driver would fare on overcrowded British roads.

Warsaw is a modern city which has been literally rebuilt from the ashes left behind by the Nazi occupation and we were amazed that so much had been achieved since the liberation in 1944. Although the city contains modern blocks designed around wide thoroughfares as seen in western Europe the "old town" has been rebuilt exactly as it was before the destruction. The city is dominated by the Palace of Culture and Science, which the Russians designed to stand in a large square, and to a western visitor looks over-bearing and out of character. Perhaps it is meant to be a constant reminder of a powerful neighbour that doesn't expect its smaller allies to step out of line too much. The contrast to the charm and warmth of the old town is dramatic. Our stay in Warsaw enabled us to visit the Wilanow Park said to be the Polish Versailles and other popular tourist attractions, but it was with eager anticipation we left Warsaw for Bialowieza to see what Poland was really like.

Our journey took us eastwards to the proximity of the Russian border to visit the Bialowieza National Park which was set up in 1932. It covers an area of 5,000 hectares of the extensive Bialowieza forest most of which is in Russia.

The park contains the best preserved part of the original primaeval forest and has the only free ranging herds of European Bison and wild horses. The Director of the Park was kind enough to conduct us through the reserves and we were shown the most interesting elements of a unique ecological complex. To see *Tilia cordata* reaching up to 42m, *Picea excelsa* 50m and the tallest *Fraxinus excelsior* in Europe was enough to cause considerable excitement. Much of the area is bog forest so each member of the party was careful to follow the leader very carefully. There are 1,000 sites for experimental work in the reserves which are being used by many scientific institutes including Wageningen in Holland and Lund in Sweden.

Leaving Bialowieza we travelled south to Lublin and spent two weeks exploring the steppe flora of the mid European plain. Many of the plants we found were familiar to us though our memories tended to fail us when confronted with plants that are now fast disappearing from our own countryside. Language difficulties as always were our main problem but we were accompanied by a very able interpreter from Warsaw who despite considerable leg pulling did a magnificent job. Our guides were provided by Lublin Botanic Garden and in every case proved to be very knowledgeable and patient. The journey to Lublin was through flat and uninteresting country, the poor agricultural land only yielding potatoes and rye. Along the straight and unending roads we noted large piles of hurdles which are used as snow breaks during the hard and often long winter and these were reminders that the hot continental summer we enjoyed was the better extreme of the annual weather cycle. Jim Keesing was allocated the front seat in the car and constantly reminded us that the driver had an unfortunate habit of engaging neutral gear at the top of each hill and coasting downhill at speed. Various suggestions were made as to our fate if the brakes failed! The driver sensed our feelings and took full advantage to prove how good he was.

Our excursions into the field during this part of the tour are too numerous to describe fully, but recollections of fields of wheat garlanded with poppies, cornflowers and corncockle reminded us that advanced agricultural techniques have done much to destroy the beauty of the British landscape. We are, however, fortunate that the marauding armies of Colorado beetles eating their way through the potato fields are something we do not have to put up with. Besides looking at the steppe flora reserves we visited forests of *Abies alba*, Beech, *Tilia*, Pine and Hornbeam and, amongst the ground flora *Cypripedium calceolus* and many other orchids grew in abundance. *Lilium martagon*, *Lycopodium anotinum*, *Paris quadrifolia* and *Allium victorialis* were a few of the many interesting and comparatively rare plants we will remember with satisfaction and with the knowledge that they are jealously guarded in tightly controlled reserves. We hope that they will remain protected for posterity. Whilst walking through a reserve south of Lublin we were shown large colonies of *Viscum abietis* high up on the branches of *Abies alba* and later found this also grew on *Pinus sylvestris*, but not apparently on *Picea abies*.

The population of the Lublin area suffered great hardships under the Nazi oppression. Throughout the countryside one is reminded of the atrocities that were committed by seeing the various memorials to executions, etc. Outside Lublin part of a concentration camp has been preserved (Majdanek) as a memorial to the 360,000 people who died there.

From Lublin we journeyed to Krakow, a charming old city that was not severely damaged during the occupation, though *en route*

we did learn that Polish garage facilities are not as efficient as we expect in the west. A replacement tyre had to be bought at a garage but could not be fitted and a further journey of some 5km had to be made before a willing backstreet vulcaniser was found who was prepared, if we cared to wait 2 hours, to change the tyre.

A day's stopover allowed us time to look at the city and complete a pilgrimage to Auschwitz concentration camp. A very sad visit which is not necessary to describe, before we moved on to Zakopane and the Tatra National Park. Our journey took us through the poorest agricultural area which has a particularly severe climate, and it was from this area that large numbers of the population emigrated to the U.S.A. in the 19th century.

Zakopane is the centre of the Polish Mountain winter resorts and the gateway to the Tatra National Park which covers an area of some 22,000 hectares. Established in 1954 it covers the entire area of the Polish Tatra Mountains which are part of the Carpathian range but the major proportion is in neighbouring Czechoslovakia. A strict management policy is being introduced to protect the flora of the area which is reminiscent of the European Alps. The highest mountain in the Polish Tatra is Rysy which is 2,500m high; not a challenge to a true mountaineer but too high for the city dwellers in the party. The park attracts a great number of tourists (c. 1½ million per year) but they are obliged to keep to defined tracks and are not allowed to pick plant material. Our impression was that they were extremely well behaved, although as tourist pressures increase it will be more difficult to preserve the undamaged alpine meadows and paths.

Our visit was timed perfectly to see the best of the alpine flora, which included a wide range of gentians, campanulas and other familiar plants. A series of mountain lakes provided some scenic views which even Tony Schilling found impressive! (He is a frequent visitor to the Himalayas.) Several plants of particular interest were found and included amongst these can be numbered *Pinus cembra*, *Betula carpatica*, *Veratrum lobelianum* and *Linnaea borealis*.

Our stay unfortunately soon came to an end and we journeyed eastwards to Pieniny. This National Park is much smaller (2,708 hectares) but contains some 1,200 species which represent some 50 per cent of the Polish flora. There are many interesting and unique species in the area and a large proportion have only a limited distribution. Our stay was spoilt by heavy rain which made it difficult to make notes and impossible to make a photographic record. The Dunajec River runs through a steep gorge which can be negotiated by raft, but our plant hunting activities did not allow for this extravagance. The highlight of our stay was to find a natural stand of *Matteucia struthiopteris* (Ostrich Fern).

Leaving the mountains we then moved northwards towards Warsaw, visiting various other places of interest, none of which was sufficiently varied to describe though they did help us understand the geographical distribution of many species, and the effect that changes in climate during the last two ice ages have had on the flora.

As visitors we were treated with tremendous hospitality and consideration. Our original fear that we would be restricted in our movements proved unfounded and at no time did we have any worries on this account. Our major concern was the quality of food which we were forced to eat whilst out in the field. The various eating places in provincial towns are varied and it is a matter of luck to find one where the food is palatable. The standard of living is much lower than in the West, mainly because the country has not been able to increase its industry and exports at a sufficiently high rate. Agricultural systems are still very primitive, being based on strip farming. For some obscure reason the Poles have not developed the co-operative system fully, which is surprising in a communist state. If visitors are looking for night life in Warsaw it is available but they must know where to go, and be prepared to pay high prices.

Our tour took us some 5,000m by car, and the very detailed planning carried out by our Polish colleagues enabled us to exceed our expectations and we were able to accomplish our two main objectives. Firstly, to gather as wide an appreciation as possible of the vegetation of this part of eastern Europe, which is particularly interesting to us as it is at the extreme of both western and eastern temperate influences. Secondly, to look first hand at the problems of nature conservation in a country which has for many years appreciated the need for firm management policies. Perhaps the most satisfying experiences were those we encountered in the field when we began to fully appreciate the pressures and considerations that must be taken into account to safeguard the rich legacy of plant life that we have inherited in Europe.

We made many friends which proves the bonds created by our professional interests can overcome political barriers, and I am sure I can speak for my colleagues in stating that we have now a better understanding of what life is really like on the other side of the Berlin Wall.

Editor's Note

R. I. Beyer is Deputy Curator at Kew. J. S. L. Keesing is Scientific Officer, Living Collections Division. A. D. Schilling is Deputy Curator at Wakehurst Place, Sussex.

1976 AWARD SCHEME RAFFLE

Miss Mary Grierson, the well-known botanical artist, most kindly donated one of her works to be raffled in aid of the Award Scheme funds. This was a fine painting, in water colour and ink, of a *Paeonia suffruticosa* form from a plant growing in the Cambridge Cottage garden, Kew.

Mary Grierson retired in 1972 after 12 years as Botanical Artist at Kew. Apart from exhibitions in London, her work has been shown in many cities around the world from Pittsburgh to Tel Aviv. She was awarded three Gold Medals by the Royal Horticultural Society and while at Kew she prepared illustrations for Curtis's Botanical Magazine. She designed stamps for the Post Office and is currently working on a Flora of Hawaii.

The Painting was first shown framed at the 1976 Dinner and the draw finally made by the Director at the Kew Club Christmas party in December. The winning ticket was most aptly held by Mr. Edwin Cherry, last year's Guild President.

Through Miss Grierson's generosity the Award Scheme benefited by £262.00.

The first appeal to a limited number of trade firms and organisations was well supported in spite of the prevailing economic climatic. The Kew Guild is most appreciative of their interest and hopes that appeals to other firms will produce a similar response.

Publishers:

John Murray Ltd.
The Grower
J. M. Dent & Sons Ltd.

Seed Suppliers:

Thompson & Morgan Ltd.
Samuel Dobie & Son Ltd.
W. J. Unwin Ltd.
Bees Ltd.

Tree Surgeons:

Beeching of Ash Ltd.
Southern Tree Surgeons
Kenrick Tree Surgeons

Landscape Contractors:

Whitehouse Hydraseeders
Ltd.
V.E.B. International Ltd.
Gavin Jones Ltd.
Stuart Lee-Smith

Nurserymen:

Hillier & Sons
Waterer Group of Companies
J. H. Shallcross Ltd.
E. R. Johnson (Nurseries) Ltd.

Chemical Companies:

Bayer UK Ltd.
Chipman Ltd.
BASF (UK)

Professional Organisations:

Institute of Landscape Architects

Merchant Bankers:

Hill Samuel Ltd.

KEW GUILD AWARD SCHEME: APPEAL FOR FUNDS, 1976**Members:**

Richard Alcock	Tom Garwood	Errol Scarr
Bob Balch	John Gilmour	Joseph Short
Bill Bessler	P. S. Green	Elizabeth Stevens
J. P. Brenan	R. H. Keith	Margaret Stones
Dorothy Catling	Frank Knight	Edward Storey
Edwin Cherry	Noel Lothian	F. G. Syer
D. P. Coleman	Brian Lowe	Sir George Taylor
C. J. Collins	F. H. Mackinnon	H. D. Tindall
C. W. Cooper	Frank McKennas	Wilfred Tuck
J. E. Dandy	George Mellors	Miss Verdoorn
M. Danes	Brian Nash	E. M. Wakefield
Anthony Dunball	Allen Patterson	N. Walmsley
F. Eul	Brian Perkins	Donald Wells
Frederick Flippance	Noel Proctor	B. de Winter
W. G. Fry	Charles Rudd	John Woodhams

THE KEW STUDENTS

By D. J. WHITE, Students' Union

At present there are 63 full time students studying for the Kew Diploma. The students' year starts in September and the Union hold a cheese and wine party to welcome the new intake and to introduce them to their colleagues. Each year several voluntary students are sponsored by their governments to come to Kew and they spend one year in the gardens and attend some of the students' lectures. In the 1976 intake there were six voluntary students from all over the world.

First Year

Adelowokam, M. A.	Cahill, Miss D. A.	Ingall, R. G.
Astley, P. R.	Campbell, D. G.	Jeal, C. R.
Bailes, C. P.	Counsell, Miss J. L.	Mortimer, Miss A.
Beaumont, J. M.	Cozens, Miss A. F.	Roberts, Miss A.
Beverley, J. W.	Goodenough, S.	Summers, P. R.
Browning, S. M.	Hoog, A. M. D.	Thompson, Miss B. M.
Bucham, Miss U. M.		

Voluntary Students, 1976

Abusaid, T. A.	Sobel, Miss G.	Hwasumbi, L. B.
Ahmed, S. G.	Wilkinson, D. R.	Khoja, A. R.

Second Year

Beardmore, S. J.	Parker, D. C.	Shipsides, P.
Cave, S. D.	Plummer, J. G.	Swithinbank, J.
Coventry, D. W. J.	Rice, G. J. F.	Vaughan, T. P.
Ferguson, J. E.	Riggs, G. R.	Vernon, Miss S. G.
Jennison, W. R.	Roberts, Mrs. J. S.	Wassell, R. J.
Lord, W.	Robinson, P. D.	White, D. J.
Monaghan, A.	Sandham, J. D.	Tobosum, S. A.

Third Year

Blennerhassett, R. F.	Hardman, D.	Potter, P. R.
Bovey, M.	Hayward, R. B.	Sawyer, D. J.
Burman, A. E.	Henderson, A.	Smith, M. T.
Butler, S. C.	Howard, A. P.	Spicer, Miss M. C.
Cunliffe, G.	Hunt, Miss S.	Strudwick, J. J.
Davies, Miss H.	Kemp, R. J.	Szymanski, R. A.
Davis, S. D.	Leche, Miss E. A.	Turp, W.
Evendon, A. J.	Park, M. B.	

KEW STUDENTS' UNION, 1976/77

The Students are represented by an active students' union who raise money and generally assist the well being of the students. The Union is formed by election and the present officers are:

Executive Committee

D. Coventry—President	P. Shipsidss—2nd Year Rep.
G. Riggs—General Secretary	P. Potter—3rd Year Rep.
D. Parker—Treasurer	S. Butler—Past President
A. Mortimer—1st Year Rep.	

Secretaries

Photographic—W. Turp	Domestic Information— J. Ferguson
Football—G. Riggs	Printing—J. Plummer
Cricket—D. Wassell	Printing Assistant—G. Sobel
Athletics—J. Swithinbank	Kew Guild Rep.—D. White
Social—J. Sandham	Fête Chairman—T. Lord
Drama—	Fête Secretary—S. Vernon
Music and Theatre—T. Lord	Auditors—R. Hughes, S. Davis

Social Events

Throughout the course of the year the students hold several social events, some profit making and others that have recently run without profit, and occasionally with financial loss to the Union. Dances are held—A St. Valentine's Dance in February; a dance after the Kew relay race in March; a Spring dance in late May, and at Christmas a Review is held followed by a dance. The 1976 review was cancelled, but it is hoped to hold one in 1977. A photographic competition is held in March and the first round is an internal affair with the second round held externally.

Athletics

Occasionally the Kew Students exercise more than their right arms by organising several athletic events. They start in the Spring with the Round Bredon race in Pershore (Worcestershire) in which a team from Kew compete; this is followed by our own Kew-Hampton Court towpath relay race, a distance of 20 miles. Teams from other colleges compete. In October the annual clog and apron race is held on the broad walk at Kew, followed by the round the gardens race.

J. Swithinbank, Athletics Secretary, reports:

The results of the 1976 events were as follows:

The Clog and Apron Race—Tuesday, 26th October

The race started in failing light and finished up in almost total darkness. A record time was established by a second year student, Miss Sally Vernon, who became the first female to win the race since 1965. Not only does she claim to be a clog racing specialist, but she also claims the honour of breaking P. Nutt's record time, which was 49.0 seconds in 1951, by a clear 4 seconds. Sally, with the speed of an 8.30 Trident, zoomed in at 45.0 seconds. Paul Potter, who came second in 55.0 seconds, a clear 10 seconds behind speedy Sally, says that the girls should have been given only two litter bins start, instead of the four they were allowed this year. I think that Paul knows that Sally would have still burnt him out if she had not been given any start at all. Jeremy Strudwick, clearly wanting to save his clogs for Thursday night's race, shot across the finishing line in 55.9 seconds.

The Round the Gardens Race—Thursday, 28th October

Round the Gardens Race specialist Jeremy Strudwick cantered in for an easy victory, and won the race for the second consecutive year in a time of 15 mins. 30 secs. Jeremy beat the race favourite, Paul Potter, who came second in 16 mins. 10 secs. Paul, who held a razor sharp time of 14 mins. 30 secs. in a training lap was perhaps subdued by the bad light and slippery surface. Mick Ayling, who has shown that he can do as well as Jeremy and Paul in training, was overcome by the occasion and finished third in 17 mins. 34 secs. On a damp night, the race began shortly after 5.00 pm with Mr. Beyers' signal and finished in total darkness. The Herbarium team, led by Mr. B. Matthew (who won the veterans' class), produced a record turnout of six runners to win the departmental cup.

The first female to cross the finishing line was Mrs. Hilary Schimell, she claims that the $2\frac{1}{2}$ mile course was too short and says that she is best over 6 miles; anyway, well done, Hilary!

That veteran of veterans, Dr. Verdcourt, who had not run since the last race a year ago, still managed to finish the race, although finishing in last position, took home his bottle of scrumpy to end a very enjoyable race. I would like to thank Mr. Beyer (Deputy Curator) for doing the honour of starting and presenting the prizes for both races. I would also like to thank all the competitors, helpers and supporters who attended the events to make them successful.

Kew-Hampton Court Towpath Relay—22nd May

LAP No.	1	2	3	4	5	6	TOTAL
ASKHAM BRYAN	13-48	22-33	17-29	26-10	20-06	14-44	1.55.20*
KEW	13-40	23-00	16-48	27-39	22-31	14-32	1.58.10
EDINBURGH	12-44*	21-27	15-55*	32-10	24-30	13-40	2.00.26
OAKLANDS	13-46	23-33	17-11	29-09	24-25	13-24	2.01.28
EX-KEW	13-48	25-08	17-41	30-56	21-24	13-35	2.02.52
HADLOW	12-46	21-41	22-58	28-31	24-07	13-17*	2.03.20
PERSHORE	16-15	23-27	16-58	30-25	22-43	15-12	2.05.00
ROCHFORDS	13-52	19-47*	21-21	29-43	26-57	15-35	2.07.15

* New Record denoted.

1976 KEW STUDENTS' UNION FETE

By T. LORD, Fête Chairman

The Fête, held on Kew Green on Saturday, 21st August in glorious, sunny weather, was the most successful to date and raised £900 net, which was distributed among the Royal National Lifeboat Institution, the World Wildlife Fund, the Gardeners' Royal Benevolent Society and the Kew Students' Union.

Among the star attractions were a Caribbean Steel Band, a Kung-Fu display and the Strand-on-the-Green Ladies Morris Dancers. The stocks were immensely popular as usual, and members of the public queued up to throw very large, very wet sponges at the unfortunate inmates.

The Students' Union and the Fête Committee are very grateful to all those who worked so hard to make the Fête such a great success, both financially and in terms of the enjoyment of all the visitors.

The 1977 Fête is to be held on Kew Green on Saturday, 13th August, proceeds being donated to the Multiple Sclerosis Society, the Richmond Philanthropic Society, the Royal Gardeners' Benevolent Society and the Kew Students' Union. We have high hopes of bettering last year's excellent profit, but naturally this depends on the weather and the continued support of our helpers. Any assistance from Kew Guild Members resident around Kew, either by help on the day of the Fête, or by donation of saleable items (books, plants, vegetables, cakes, stamps, good quality second-hand clothing and jumble, etc.) would be most appreciated.

1976 KEW STUDENTS' PRIZE GIVING

By L. PEMBERTON, Supervisor of Studies

PRIZE GIVING, 10th SEPTEMBER, 1976.

The following prizes and diplomas were presented by the Earl of Rosse, K.B.E.:

<i>Honours:</i>	R. T. Browning	J. P. Donchin
<i>Credit:</i>	C. J. Bath	C. C. R. Bowles
	H. B. Flower	T. Hall
	M. Jackson	M. R. Kay
	Miss C. McCormack	C. Reeves
<i>Pass:</i>	A. M. E. Bartlett	R. C. Carrington
Ernest Thornton-Smith Travelling Scholarship		C. C. R. Bowles
G. C. Johnson Memorial Prize		J. P. Donchin
Kingdon-Ward Prize		R. T. Browning
Landsman Bookshop Prize		M. R. Kay
Sir Joseph Hooker Prize		T. Hall
Matilda Smith Memorial Prize		C. C. R. Bowles J. P. Donchin
Dümmer Memorial Prize		Miss C. M. McCormack M. R. Kay
Proudlock Prize		C. J. Bath
Best Plot Prize		C. G. Reeves
Kew Guild Individual Study Prize		J. P. Donchin
C. P. Raffill Prize		M. B. Park
Metcalf Cup		S. D. Davis
Highest Marks in Identification Tests		W. A. Lord
Photographic Society		G. Cunliffe

The 1977 Prize Giving will be held at Kew on 9th September and any ex-Kewite may write in to Mr. Pemberton for a ticket to attend.—Ed.

The Horticultural students' course has now settled down into the sandwich system of nine months' practical work and three months of lectures in each 12 months. Although the foundation science block in the first year is very intensive it has enabled a concentration upon the important vocational aspects of management and Landscape Design in the second and third years, the instruction for these subjects is spread over both the second and third lecture blocks which gives a greater assimilation period.

The students are having more assignments as part of their course assessment as well as their regular subject examinations, these latter continue to form the main method of assessment for their theoretical subjects. Although familiar to those who have passed through the Diploma Course it is perhaps worthwhile dwelling upon how the majority of subjects are examined for it is a unique system and, although strange to many, it has been, and is, extremely successful.

It was Sir George Taylor's wish that the Kew Diploma should be regarded as a coveted award and not one gained easily, nor one to be lightly regarded by others. Thus he chose that all the examination papers would be set by external examiners who would also mark the examination scripts. This had, and has, largely, achieved a double purpose—firstly, the external examiners established the standard of the examinations and the examiners would also ensure that a suitable cover of the course subject would be achieved. The examiners themselves represent a panel of advisers on the course and frequent contact is maintained by the lecturers and examiners. Who are the examiners and how are they selected?—this is not easy to answer! They are eminent in their respective fields, frequently well known nationally—University lecturers, Ministry advisers, College lecturers, National Diploma examiners, Research Scientists etc. I have yet to hear of another establishment which allows itself to have an internal award so critically assessed. The results? . . . strangely enough they are nearly identical in % of gradings as the cumulative averages of the awards of HND and OND, which means that the students at Kew are no more or less severely treated than at other less well known establishments!

NEWS OF KEWITES AT HOME AND ABROAD IN 1976

Compiled by MARTIN J. S. SANDS

George Addison (1938), is now a member of the Western Australia Kew Guild group.

In February Miss **Susyn Andrews** joined the Herbarium staff as an Assistant Scientific Officer.

Mr. **Trevor Arnold** from the Botanical Research Institute, Pretoria, took over as the South African Botanical Liaison Officer from Dr. Hellmut Tölken, who returned in July.

Mrs. **Joan Ashman** retired from her post in the library after 9 years at Kew.

It is with deep regret that we record the death on Sunday, 25th January, of Mr. **Francis Ballard**, in his 80th year. Until his retirement in 1961, he was for many years in charge of the Fern section of the Herbarium, a staunch supporter of the Guild and a past Vice-President.

L. P. Barker (1958) is now working as a Technical Assistant with the Staffordshire County Council Education Department.

In a letter received in May 1976, **P. S. L. Benton** (1947) writes that he has moved from Lusaka, Zambia, to take up the post of Superintendent of Gardens with the Salop area health authority. He went on to say: "there are 25 hospitals and health centres situated all over Shrewsbury and the flowering trees and shrubs are outstanding in this part of the country". He also recorded that he had spent a day visiting Cedric Van Rynveld (1938) in Durban, South Africa, in July 1975, who died only three months later in October 1975.

W. E. Bessler (1967) of Ariamehr Botanic Garden, Tehran, visited Kew with Dr. Riazzi from 27th September to 1st October to study the Garden's structure and organisation.

Ian Beyer, Deputy Curator, with Tony Schilling and Jim Keesing, visited Poland under the auspices of the Polish Academy of Sciences for a month in July on a study visit to Botanic Gardens as well as the National Parks and Conservation areas, which varied from primaeval forest to steppe and mountains. Two weeks were spent in the Tatra range and a total of 2,500km were covered by car in the south-east of the country. On 23rd September he attended the joint nursery stock meeting of the H.T.A. at Keele University where landscape architects and nurserymen discussed plants available from the Trade at the present time and where a list of plants considered to be of importance in the 1980's was presented. Ian delivered a paper on the value of the collections of Kew and Edinburgh in relation to the nursery trade.

Congratulations to **Sally Lee** (Herbarium) whose marriage to **Clive Bidgood** took place at St. Anne's Church, Kew Green, on 2nd October.

Irene Blewett (Herbarium) was promoted to Higher Scientific Officer in 1976.

The Thornton-Smith Travelling Scholarship in 1976 was awarded to **Chris Bowles**, who completed his third year as a student in the Summer. This scholarship was awarded for him to travel to West Irian, formerly West New Guinea.

Mrs. **J. Brace** of the Technical Support Unit at Kew spent 2-3 weeks in February 1976 in Las Palmas Botanic Garden, Gran Canaria, to undertake a landscape survey and assessment of the garden with a view to its future development. In the Autumn she visited Maracaibo Botanic Garden, Venezuela, to draw up landscape plans for the whole garden. While in Maracaibo, her work on the project involved advice on the planting designs and layouts for the various planned zones of the gardens. With the Curator, John Simons (q.v.) she visited the Sierra de Perija and the Andean region of Paramo near Merida.

Mr. **J. P. M. Brennan** (until September Keeper of the Herbarium and Deputy Director) flew to South Africa on Christmas Day 1975 to take leave as well as to collect plants and visit various institutions. (See article.) Later in the year he visited the U.S.S.R. from 5th to 12th June, at first in Moscow and then in Kharkov, as a member of the U.K. Delegation for the Review Meeting on the Anglo/Soviet Agreement for Co-operation in Agricultural Research (ASCAR). On 26th August he left for Hawaii to take part in a special panel of the U.S. National Academy of Science to consider possible unexploited legume crops for underdeveloped countries. While in Hawaii he also visited the Bishop Museum and botanic gardens. On his return in September he succeeded Professor Heslop-Harrison as Director (see p. ???).

Bill Bridle retired from his post as Gardens Supervisor on 7th June. He was appointed in 1951 and for 25 years he held the post with distinction. Formerly he worked as a gardener in the Temperate section from 1946. Since June, while making arrangements for a new home, he continued working in the Arboretum as a Special gardener.

Christine Brighton (Jodrell Laboratory) was promoted to Higher Scientific Officer in 1976.

Mr. **S. Brookes** was appointed to succeed Mr. King in the post of Secretary, Royal Botanic Gardens, Kew, and took up his duties on 20th September.

Mr. **N. R. Brown** joined the Administration Division from 2nd February. He had previously worked in the Economics Division of the Ministry.

Congratulations to **Dick** (Herbarium) and Hilary **Brummitt** on the birth of a daughter, Lindsay Anne, on 18th June, 1976.

Clive Bulmer (1974) is now working in Texas, U.S.A.

In April, **Graham Burgess** (1972) of Longstock Park Gardens, visited Kew to discuss micropropagation.

Alan Busman (2nd Year student) was successful in the early part of the year in gaining an Alpine Gardens Society Travel Award and subsequently visited Crete.

B. L. Burt (1951) formerly a member of the herbarium staff, re-visited Kew to continue his work on the family *Gesneriaceae*, during 1976.

Mrs. **R. A. Bysouth** (Davies, 1919) wrote recently to say how much she enjoyed working at Kew as a gardener during World War I. During her stay she met and recalls Will Clark, who was later killed during the war. Mrs. Bysouth is now 85 years old and lives in a Nursing Home in Alberta, Canada. Her husband, who she married after the war, died many years ago, but she has six children.

After 10 years at Kew as a shorthand typist in the Herbarium Mrs. **D. A. Campbell** retired at the end of November.

Miss **Vera Carder** retired on 30th June, 1976, after 21 years working at Kew, first in the Arboretum and then from 1963 in the Herbarium dealing with cultivated plants and later with the new card documentation since its inception.

The Guild extends its deepest sympathy to **George Catt** (1929) on the sad loss of his wife Violet on 2nd July, 1976, after very many years of marriage.

Charles Coates (1949), who is now 96, visited Wakehurst Place with his daughter in September.

Mark Coode (Herbarium) left on 19th April with Ian Richardson (Herbarium) for 5-6 weeks' collecting in Mauritius and Réunion.

Dr. **Cooper-Driver** (Jodrell, A.R.C. Biochemistry Laboratory) returned in June after a 4-week visit to the U.S.A. during which she gave a course in Fern chemistry at Harvard and collected ferns in Mexico. In October she took up a post as Visiting Professor at Boston University.

Tom Cope (Herbarium) was awarded a Ph.D. by Manchester University in the Summer, for his thesis on the *Juncus bufonius* aggregate.

Jill Cowley, who transferred from the gardens to the herbarium in 1972 where she has worked as an Assistant Scientific Officer in the section dealing with petaloid Monocots, was promoted to Scientific Officer in 1976.

Philip Cribb (Herbarium) spent some time in the early part of the year collecting in East Africa with Christopher Grey-Wilson, also of the Herbarium staff.

David Cutler (Jodrell Laboratory) left in December on a visit to the Argentine, going first to the University of Buenos Aires where he led a course in Pharmaceutical Botany. (This was to be followed by a collecting trip inland.)

We are sorry to record the death in November 1976 of **J. E. Dandy** who was a member of the Kew staff from 1925 to 1927, and a member of the Guild. He became Keeper in the Department of Botany, British Museum, and was a great authority on nomenclature and the genus *Magnolia*.

Between 27th March and the 3rd May, Dr. **John Dransfield** (Herbarium) spent four weeks in Colombia and Costa Rica collecting palms with Professor H. E. Moore (Bailey Hortorium). Before returning, he presented a paper at a symposium at Harvard Forest, U.S.A. At the end of November he went to Florence for two weeks to work on palms in the Beccari Herbarium. During the second half of the year he was also supervising the establishment of the special Palm collection of herbarium specimens in Hunter House.

Dick Edwards, Senior Messenger in the Herbarium, retired on 26th March after 11 years' service at Kew.

Charles Erskine (Assistant Curator, Arboretum Section) attended, with the Curator, the official opening in June, of Manchester University's new Granada Arboretum, situated adjacent to the Nuffield Radio Astronomy Laboratories at Jodrell Bank, Cheshire.

Miss **Ann Fitton** began her duties as an Assistant Scientific Officer on 1st March in Section IIIB of the herbarium.

On 2nd February, 1976, **Hans Fliegner** (Living Collections Division) was promoted to Assistant Curator and took charge of the Arboretum Services.

Miss **Gilliam Grainger**, for 11 years an Assistant Librarian at Kew transferred to the Foreign and Commonwealth Office Library on 12th April.

Congratulations to Mr. **Peter S. Green** (formerly Deputy Keeper) on his appointment on 20th September, 1976, to the position of Keeper of the herbarium and Deputy Director.

Miss **P. J. Green** joined the Library Staff as an Assistant Librarian on 5th April.

Chris Grey-Wilson (Herbarium), with Philip Cribb (q.v.), collected in East Africa for several weeks during the early months of the year. In October he spent a week studying *Clematis* in the herbarium of the Royal Botanic Gardens, Edinburgh.

Miss **Mary Grierson**, who was for 12 years the official Botanical artist at Kew until her retirement in 1972, visited Australia and Thailand in January and February on her way home from a period of special work in Hawaii. Later in the year she kindly presented a water colour of *Paeonia suffruticosa* to the Guild for the benefit of the Award Scheme, raising over £200 in draw tickets. (See article elsewhere).

Miss **Marion Harding** transferred from the Administration Division to join the library staff on 2nd June, filling the post vacated by Mrs. Pat Wilson.

In September Dr. **Raymond Harley** (Herbarium) visited the herbaria in Paris and Munich to study Neotropical material of *Heyptis* and related genera. On 29th December he left for Bahia, Brazil, to lead a second expedition to the area. He was accompanied by Simon Mayo (Herbarium) and Ruth Storr (Supervisor, Palm House).

Tony Harvey (1976) was at Kew for 8 years—3 years as a student and 5 as a Supervisor. On 19th June, 1976, a daughter, Emma Karen, was born to Tony and his wife Sue and in December, Tony left to take up a new post as District Superintendent with the London Borough of Croydon Parks Department. We wish him success in his new work.

Dr. **H. N. Heine** of the Laboratoire de Phanérogamie, Paris, who was a member of the Kew herbarium staff for several years until he left in 1961, returned for a brief visit in May. He is currently a member of the Kew Guild Committee.

A son, Matthew Thomas, was born on 18th September to Mr. and Mrs. **Stewart Henchie**. Stewart is a Supervisor in the Living Collections Division.

Nigel Hepper (Herbarium) who, until September, was our Guild Secretary, attended a conference in July in Birmingham on the "Biology and Taxonomy of the *Solanaceae*". In August he spoke about poisonous plants on BBC Nationwide and was interviewed on Thames TV in October about *Datura*.

Professor **J. Heslop-Harrison**, who took office as Director on 1st June, 1971, resigned officially on 31st August, 1976, after 5½ years, to return to his scientific work, being elected to a Royal Society Research Professorship. On 23rd August there was a farewell presentation to him in the Wood Museum Foyer and on 26th August he flew to the United States. He plans to hold the Royal Society Professorship in the University of Wales, working in the Plant Breeding Station, Aberystwyth. (See also elsewhere—"A Quinquennium of Change".)

Dr. **Yolande Heslop-Harrison**, who as an honorary research fellow was in charge of the Cell Physiology Laboratory at Kew from 1971, was awarded a Leverhulme Research Fellowship in the summer to continue her work on the physiology of plant glands.

She will hold the Fellowship at the Welsh Plant Breeding Station, University of Wales, when she returns from the U.S.A. in 1977.

George Hills was presented with a clock by Mr. Beyer on 29th October, having worked in the Gardens since 1953.

Professor **R. E. Holttum** (Herbarium) was presented on 8th January with a specially bound copy of Vol. 180 of the Botanical Magazine which is dedicated to him. An informal reception was attended by the Director and contributors. From 11th to 25th June, Professor Holttum visited the V. L. Komarov Botanical Institute in Leningrad, Russia.

In January 1976, **P. E. Hutchins** (1966) called at the Gardens after a five year tour of duty in Nepal at a mission centre. He has since had a 12 month furlough to recuperate and undertake some administrative retraining.

In the latter part of the year **Bob Hughes**, Supervisor, took charge of the Arboretum North.

David Hunt (Herbarium) spent several weeks from July to September collecting *Commelinaceae* in Mexico.

Miss **M. Johnson** (Jodrell) returned in October, having accompanied Dr. Jones and Dr. Owens during their expedition to collect *Commelinaceae* in Mexico.

Dr. **Keith Jones** (Keeper of the Jodrell Laboratory) who was elected President of the Guild at the A.G.M. in September, joined Dr. Simon Owens and David Hunt to collect in Mexico between July and September 1976.

Jim Keesing (Technical Section, Living Collections Division) accompanied Ian Beyer (q.v.) and Tony Schilling on a visit to Poland in July. In September he was promoted to the rank of Higher Scientific Officer.

On 30th June, 1976, Miss **Molly Kierans** retired after long service at Kew. She joined the staff of the Herbarium on 7th May, 1934, working first with Mr. Cotton and then with Dr. Turrill. For the last 25 years she was engaged in work for the library on book ordering and accounts, accessioning exchanges, review copies and the sales of Bentham-Moxon Trust publications, as well as being an excellent typist. After 42 years at Kew she is now greatly missed, but we wish her well in her retirement.

Dr. **Frances Kupicha** (based at the B.M. (Nat. Hist.) but a member of the Kew staff) took up a 4-year appointment from 1st October, 1976, under the Bentham-Moxon Trust as the "B. A. Krukoff Curator of African Botany". She is continuing to work on "Flora Zambesiaca".

Miss **Sandra Leche** (2nd year student) was the recipient of the first award made by the Kew Guild Award Scheme when she was granted £30 towards her expenses for a study visit to Madrid Botanic Garden and a collecting expedition to the south of Spain.

A letter received from **M. J. Leppard** (1971) in July indicated that he has left Hertfordshire and has been appointed Assistant Curator at the Nation Botanic Gardens, Salisbury, Rhodesia.

Gren Lucas (Herbarium), head of the Conservation Unit, returned on 12th July after attending the NATO Eco-Science Panel Conference in Iceland on "Several Damaged Ecosystems". In September he was present at meetings in Bergen of the Steering Committee of the SSC of IUCN, and of TRAFFIC (Trade Records Analysis of Fauna and Flora in Commerce). At the end of October he attended a meeting of the Council of Europe's Committee for the Conservation of Nature and Natural Resources at Strasbourg, before visiting the IUCN headquarters at Morges and going on to Berne for the Conference of the parties to the Convention on International Trade in Endangered Species.

J. J. Mackintosh (1925) died on 4th May, 1976, at the age of 84. The Guild extends its sincere sympathy to his wife and family.

In August, **John Maconochie** took over from Dr. Andrew Kanis as the new Australian Liaison Officer in the Kew herbarium. He is a Senior Botanist in the Northern Territory of Australia, normally stationed at the herbarium in Alice Springs. He is working on *Leguminosae* and *Cycadaceae*.

With regret, we have to record the death on 6th July, 1976, of Mr. **T. D. Maitland**, M.B.E., A.H.R.H.S., at the age of 91. He left Kew in 1910 having been a student gardener, and was a life member of the Guild and a Past President. He had collected herbarium material in Cameroons and East Africa.

Wessel Marais (Herbarium) spent three weeks in May collecting tulips in Turkey.

Brian Mathew (Herbarium) left on 3rd January for two to three weeks in California to lecture by invitation and visit various botanic gardens and herbaria. Congratulations to Brian and his wife Margaret on the birth of a son, Paul, on 8th March.

At the end of December, **Simon Mayo** (Herbarium) left for an expedition to Bahia, Brazil, led by Dr. Harley (q.v.).

R. D. Meikle (Herbarium) visited Ann Arbor, Michigan, for a week in November as a member of the Editorial Committee for the International Code of Botanical Nomenclature.

David Menzies (Tropical section, Living Collection Division) visited New Zealand early in 1976 and visited the Pukeiti Rhododendron Trust gardens, where Graham Smith (1968) is Curator (q.v.).

Mrs. **Kay Mortimer** retired on 31st March from her post in the Library archives where she had worked since 1964.

A. T. Mullins (1934) retired in September 1976 from the M.O.E., Richmond Park, and is now living near Church Stretton.

After 9 years in the Herbarium Office, Mr **Walter Nicholas** retired at the end of December.

S. F. Ovenden (1928) commented favourably about a recent visit to Wakehurst Place and the Guild booklet on it. He said that he "knew Mr. Wallace when he was head gardener there for Sir Henry Price" and "Kew is doing a wonderful job and the improvements are very marked and pleasing".

Dr. **Simon Owens** (Jodrell Laboratory) became our new Secretary in September having just returned from Mexico where he accompanied Dr. Keith Jones and David Hunt on a visit to collect *Commelinaceae*.

Dr. **G. Panagrahi**, for three years Indian Liaison Officer in the Kew Herbarium, and a member of the Guild, left at the end of December 1975. He is now Deputy Director of the Central National Herbarium, Botanical Survey of India, near Calcutta.

Congratulations to **David Philcox** (Herbarium) and his wife Adrienne on the birth of a son, Andrew David, on 30th March.

Alan Radcliffe-Smith (Herbarium) left in February for a six weeks expedition in the Sultanate of Oman, where he collected plants in the mountains, notably the Jabal al Akhadar massif (3,170m). After plenty of rain the vegetation was found to be much greener than normal even at lower altitudes. At the last moment, after previous refusals, a visit was arranged to a remote mountain only accessible by helicopter where material of a new species of *Ceratonia* was collected. He returned to Kew in the middle of April. In September he worked for three weeks on *Euphorbiaceae* at the Conservatoire et Jardin Botaniques, Geneva.

Dr. **Derek Reid** of the Mycological Section of the Herbarium, went to Australia in January for a six-month visit based at Melbourne University where he was to work on the fungi of Victoria, having been awarded a Federal Grant. In April he wrote to say that collecting conditions were very dry. During March he had spent three weeks working in the Waite Agricultural Research Institute in Adelaide.

In April and May **Ian Richardson** (Herbarium) was collecting in Mauritius and Réunion with Mark Coode also of the Herbarium staff.

L. A. L. Richardson (1931), writing in July 1976, recounts that he was at school in Chester-le-Street, with a brother and sister of Professor John Heslop-Harrison in the 1920's. He recalled that he left England in 1947 for the Royal Botanic Gardens, Ceylon, and subsequently built up his nursery business in Western Australia. Earlier for a while he worked in the prisoner-of-war camps of Changi on the production of medicinal plants.

A letter received on 5th April from **Jonathan Rickards** (1975), the 1976 holder of the Thornton-Smith Travelling Scholarship,

summarises his excursions to hills around Kuala Lumpur, Malaya, where he is based. He spent one week in the Cameron Highlands 70 miles north of Kuala Lumpur, an area which he reports has a very rich flora.

R. H. Rumsey (1932), who lives in Dural, New South Wales, visited Kew for a week at the end of June.

Towards the end of the year Mr. **P. Rutherford** was promoted to Supervisor of the Amenity Plantings Unit, Herbaceous Section.

Jack Sadler retired in early August after 25 years' service at Kew. During the whole of his time at Kew he worked in the Arboretum North Section at first under the late George Gardiner as Foreman-Gardener with the late Sydney Pearce as Deputy Curator. Jack was promoted to Foreman Gardener in 1959. We wish him a long and happy retirement.

After 13 years at Kew as a Messenger, **Johnnie Salter** retired on 4th June.

Martin Sands (Herbarium and Kew Guild Assistant Secretary) returned on 16th March after almost 8 months in the Far East. Following the expedition which he led to various parts of Papua New Guinea, particularly the unexplored southern mountains of New Ireland (see article by Graham Pattison), he spent most of January with his family in Australia, working in several herbaria for a few days from time to time. In February he went on to collect and study *Begonias* in the Philippines, visiting several of these fascinating islands where quite a number of the mountains were climbed. Many of the living *Begonias* collected are now growing well in the lower Nursery, and over a dozen of the orchids have flowered during their first year in the "T" Range.

Tony Schilling (Deputy Curator, Wakehurst Place) accompanied Ian Beyer (q.v.) and Jim Keesing on a visit to Poland in July. He again visited the Himalayas during the year.

On 19th January, **Andrew Scott** joined the staff of the Herbarium as an H.S.O. in Section IIIA, on a period appointment during Dr. Verdcourts' secondment. Not long afterwards he was awarded a Ph.D. from Birmingham University for his thesis "The sytematics of the *Chenopodiaceae*". On 31st July he was married to Pamela Lacy of Birmingham University.

From 16th August, Mr. **H. K. Airy Shaw** (Herbarium) spent 3½ months in Australia, visiting several herbaria including those at Melbourne, Sydney, Brisbane and Atherton, continuing his work on Australian *Euphorbiaceae*. He also paid a brief visit to Tasmania to discuss with Dr. Winifred Curtis and the Hon. Rose Talbot, the final part of Lord Talbot's "Endemic Flora of Tasmania".

The Curator, **John Simmons**, attended the official opening of Manchester University's new Granada Arboretum in June and left for Maracaibo Botanic Garden, Venezuela, on 14th October, to set

up a small area of the Gardens incorporating a records and labelling system. Plant collecting trips were intended to provide specimens to form the basis of plantings in the Garden, and fieldwork was undertaken in the Coastal range, Subparamo and desert region near Coro. His brief, in association with Professor Heywood of Reading, was the production of a developmental, organisational and infrastructure plan for the garden for submission to the Venezuelan Government in support of this project. Time was spent advising on the architects' plan which had been developed, following the Curator's visit two years before. At the University of Caracas he gave a lecture on the "Rôle of Botanic Gardens" and with Mrs. Brace, visited the botanically unexplored Sierra de Perija and also the Peramo region of the high Andes near Merida, from where living plant material was prepared for despatch to Kew.

On 29th March, Miss **E. H. Smith**, who has been on the Kew staff since 1966, and has kindly undertaken typing work for the Guild on a number of occasions, transferred from the Registry to the Library archives.

Writing from New Zealand in July 1976, **Graham Smith** (1968) recounts that he is very busy as Curator of the Pukeiti Rhododendron Trust, especially as 1976 was the 25th Jubilee of the Trust, when a commemorative weekend was being planned for October. Graham is now a council member of the NZ Rhododendron Association and also Registrar of the NZ Rhododendron Registration Authority. With the help of the Stanley Smith Horticultural Trust, a special display house for Malasian *Rhododendrons* was being constructed at Pukeiti with living material for it already being received from Papua New Guinea from a Stanley Smith scholar, Paul Kores. Graham and his wife Sue now have three daughters.

Miss **Ingrid Spencer** commenced duty in the Library as an Assistant Librarian on 10th May.

It is with deep regret that we record the death of **Herman Spooner** on 23rd November, 1976. He left Kew in 1901 and was a life member and past President of the Guild. In his will he generously bequeathed £100 as a legacy for the "general purposes of the Guild".

Elizabeth Stevens (1968), currently an ADAS Horticultural Advisory Officer based at Guildford, was awarded a Studley College Trust Travelling Scholarship in 1976 for a tour studying vegetable production in Canada and the United States.

Ruth Storr (Supervisor, Palm House) left with Dr. Raymond Harley (q.v.) and Simon Mayo at the end of December to begin an expedition to Bahia, Brazil.

Peter Taylor (Orchid Herbarium) was present in the early part of the year at the formal dedication of the Marie Selby Botanic Garden, Sarasota, Florida. He joined several staff members of this new garden on a field trip to study and collect orchids in Equador.

En route he visited the well-known orchid taxonomist Dr. Robert Dressler in Panama. He returned to Kew in early April.

In July Mrs. **Florence Upton** left the Administration section and transferred to the Living Collections Division as a Records Assistant.

On 29th October, a presentation was made by Mr. Beyer to **Arthur Vane** on completion of 10 years as a Storekeeper in the gardens.

Bernard Verdcourt (Herbarium) wrote in January from Lae, Papua New Guinea where he was working for a time on *Leguminosae*. Each day he worked from 7.40 am to 10.30 pm, having 400-500 species to write up. From a herbarium specimen of *Desmodium repandum* he sent the following field note: "Herb, grows wild in grassland and forest. Leaf eaten with pig and human flesh, cooked in bamboo and mu mu. Fairly popular". He returned to Kew in April.

It is with deep regret that we have to record the death of **Don Wells** (1935) on Sunday, 31st October, 1976 (see *Obituaries*). He was a student at Kew from 1934-36 and later became a prominent arboriculturist and the driving force behind the establishment of the Arboricultural Association. At the time of his death he was Vice-President of the Kew Guild.

In March, Miss **A. S. Whittingham** began work as an Assistant Scientific Officer in the Museums Division.

As from December 1975 **Jean Whyte** (Library) became a Chartered Librarian and an Associate of the Library Association.

Gerald Wickens (Herbarium) was promoted to Principal Scientific Officer in 1976.

Dr. **H. Wilkinson** (Jodrell Laboratory) went privately for several weeks in the Autumn to Bogor Botanic Gardens in Java to collect specimens of plants related to extinct forms found in the London Clay fossil flora.

Alan S. Wilson (1936), who was an Assistant Curator before he left Kew, retired in 1976 and is now living in Western Australia.

On 1st November, **Marguerite Wood** transferred to the Herbarium after 7 years as Accessions Officer in the Gardens. New accessions are now dealt with by the Plant Records Department.

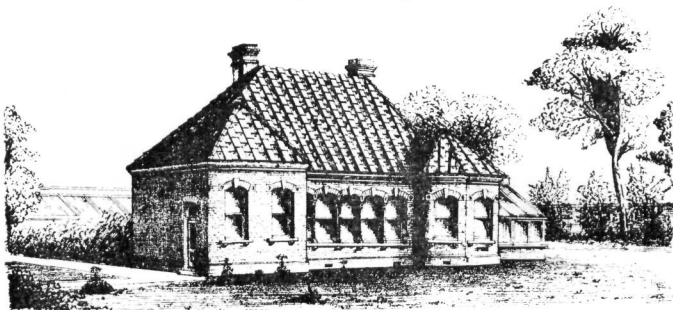
THE CENTENARY OF THE JODRELL LABORATORY

By Dr. KEITH JONES

The Jodrell Laboratory as it now stands is a fine modern two storied building with laboratories for the scientists and practical classrooms for student gardeners. At its rear is a magnificent lecture theatre capable of seating 200 in the comfort of well padded seats and air conditioning. For those who have known Kew only since late 1964 there will be no memory of the original Jodrell Laboratory or the old Iron room which previously occupied this site. But there are many generations of Kewites to whom both structures were very familiar. The little Jodrell Laboratory—see illustration sketch—with its tiled roof and ivy-framed door was then something of a mystery to the students who passed it by on their way to lectures in the grubby Iron room—their only lecture “theatre” of the day. Few ventured inside but clearly something scientific was going on there for figures could be seen peering down brass microscopes and slicing objects with strange machines. It did not seem then that this could be a world centre for anything and yet indeed it was. The Jodrell Laboratory, then as now, was famous for its research into systematic plant anatomy and for its identification of woods and plant fragments of all kinds.

The history of the Jodrell since its completion in 1876 is a long and fascinating one. It has been described by Dr. Metcalfe, Keeper from 1930 to 1969, on several occasions but in this centennial year he has produced a detailed account of these past

ROYAL GARDENS, KEW.
JODRELL LABORATORY.



PERSPECTIVE VIEW.

years which appeared in an edited form as a part of the Jodrell Centennial Brochure and in extenso in a publication from the Laboratory. He describes how the Jodrell was founded and how it developed under the leadership of D. H. Scott, Boodle and himself. There is no need here, therefore, to describe again the illustrious past of the Laboratory, but it may be of interest to explain the relationship between the Jodrell Laboratory and Jodrell Bank. We were at one time often confused with the Kew Observatory, but since the radio telescope was erected in Manchester University matters have become very much worse. Both institutions derive their name from the same family—the Jodrells (originally Jauderel) of Cheshire and Derbyshire. The telescope was built after the last war on a piece of their old estate called Jodrell Bank. The Kew Laboratory is named after Mr. T. J. Phillips Jodrell a descendant on the female side who provided the money (£1,500) for the erection and equipping of the first laboratory in 1876. This information was obtained from the present generation of the family, Mr. Mostyn Owen Jodrell, who was invited to attend our centennial celebrations. Coincidentally his wife was a member of the Bord family who once occupied Wakehurst Place where the Jodrell's Physiology Section is now located.

The Jodrell today is larger and more structured than in the past. When the new building was opened in 1965 there were three sections—Cytogenetics and Physiology being added to that of Anatomy. At the outset the building did not provide enough room for scientific research. When therefore Wakehurst Place came into Kew's possession the Physiology section and Gene Bank moved into a new laboratory suite in the mansion and enlarged considerably. More recently biochemical laboratories have been taken over. These were originally constructed in the Melon Yard for an ARC group under Dr. Swain, and a new section of biochemistry has been added to the other three. Finally, with the resignation of Professor Heslop-Harrison as Director of Kew, the Jodrell has taken over responsibility for activities in his Cell Physiology Laboratory in the Director's house. The last 10 years have therefore seen considerable changes in the Jodrell but we remain conscious of the heritage of the past.

May 6th was designated as the day to celebrate our centenary and many distinguished guests were invited to join staff to hear some lectures about the laboratory and its past, to see demonstrations of the work and finally to drink its health. In addition we took the opportunity during the year to organise conferences concerned with biochemistry, anatomy and chromosome cytology and generally did what we could to mark this important birthday. If the world now still thinks that we have a telescope on the roof it certainly isn't our fault!

THE SACRED PLANTS OF ANCIENT EGYPT

By E. W. MacDONALD

The names of over six hundred plants occur on the monuments and in the literature of Ancient Egypt, with many others still to be identified. Many plants were considered to be sacred and were used in temple rituals as well as for secular purposes. The most important were as follows:

The Lotus. *Nymphaea lotus*. (Egyptian transliteration SESHEN.) Several kinds are portrayed; white, white with a bluish tinge, blue and rose coloured. The lotus was the symbol of Upper Egypt, i.e. The Nile Valley as distinct from The Delta, and sacred to the young God NEFER-TEM, who is often depicted as a child sitting on the flower, symbolising the rising sun. The different parts of the plant were also symbolic as follows:

The roots in the mud—the material world.

Stems rising through the water—the psychic world.

Flowers in the air—the spiritual sphere.

The Lotus flower is the "mover on the face of the waters", representing the flood and is the mythological prototype of the Christian Lily and the Fleur-de-lys. Party guests were presented with the flowers which they fixed to their wigs. Philologists have traced the modern name Susan from the Greek Susanna and Hebrew Shushanna back to the Egyptian Seshen. Note: The Lotus sacred to the Buddhists and Hindus, *Nelumbo nucifera*, was not introduced into Egypt before c.500 B.C. and was not represented before this date.

The Papyrus. *Cyperus papyrus*. (Egyptian UATCH or MENUH.) This was the symbol of Lower Egypt (the Delta), being frequently used in architectural motifs and in the arts. The word "paper" is derived from the word "Papyrus". Although plentiful in the Sudan, it no longer grows in Egypt, except for a specimen clump in the ornamental pool in front of the Cairo Museum!

The papyrus reed symbolised the primaeval birthplace on earth of the ark or cradle of the Eternal Child. In Egyptian mythology the goddess Isis concealed her infant son, Horus, in a basket in the Papyrus swamps to hide him from the evil God Set. This is the prototype of the Hebrew myth narrated in Exodus 2 ii, and of similar stories in Basuto and Zulu folklore.

Acacia. *Acacia nilotica*. (Egyptian SHENTET.) (Acanthus of Strabo.) Sacred to the GOD OSIRIS, who was called, amongst many other things. "The Lord of the Acacia", which referred to his coffin being constructed with that wood. Illustrations show a branch of Acacia springing from the coffin, which refers to a rite in the Osirian Mysteries. This plant has been confused with the Tamarisk (Egyptian ASER).

Sycamore Fig. *Ficus sycomorus*. (Egyptian NAR-T.) (The Ficus Aegyptia of Pliny.) This is the Egyptian tree of life and knowledge, and in the Ritual the goddess Neith is portrayed in the tree giving food and water to the deceased. Reputed to grow at Heliopolis, it is considered to be the Gnostic Christian story concerning the Virgin Mary, who was supposed to have rested under it during her sojourn in Egypt. Thoth, the God of Wisdom, and Sesheta, the Goddess of Writing, inscribed the names of the blessed dead on its leaves, from which the Moslems probably derived a similar story of their Lote tree of paradise.

The Persea Tree. (Egyptian ASHET) not to be confused with the genus Persea Mill. This tree has been attributed to *Balanites aegyptica* and also to *Mimusops schimperi*. The leaves resemble those of the Laurel, and the fruits are pyriform—an oil bearing tree—it was sacred to the Goddess Hathor. The Moslems and Christian Egyptians—the Copts—also regarded it as a symbol of life. The Phoenix-bird is said to have come into being from the fire which burned on the top of the tree. The Persea was guarded by the cat Mau, who was an emblem of the Sun God Ra.

The Olive Tree. *Olea europea*. (Egyptian BAO-T.) Dedicated to the Goddess Neith and the abode of the God Horus, it prevented the deceased suffering from thirst, hunger and sadness of heart!

The Pomegranate. *Punica granatum*. (Egyptian ANRAHANA.) The fruit was used as amulets in the Mysteries of Hathor at the Temple of Denderah.

Two Palms had religious significance:

The Dôm Palm. *Hyphenae thebaica*. (Egyptian MAMA.) Sacred to the Hippopotamus Goddess Apet.

The Date Palm. *Phoenix dactylifera*. (Egyptian BENERET.) This was sacred to the God Osiris and the Goddess Sesheta. A Palm branch with the pinnae removed almost to the main rib was the symbol of the year; the stubs of the pinnae used for enumeration. The branch rested on the symbol of eternity.

The Cos Lettuce. *Lactuca sativus*. (Egyptian ABU.) Regarded as an aphrodisiac, it was a symbol of the ithyphallic fertility God

Amsu, or Min, who was the patron god of gardens; and prototype of Priapus and the Herms, of which emasculated specimens may be seen in Kew Gardens!

Wheat. *Triticum spp.* (Egyptian BETET and KHET-EN-ANKH.) Wood of Life, which name is close to our epithet for bread "the staff of life". Wheat was sacred to the Corn God Nepra, a form of Osiris. A bas-relief at the temple of Isis at Philae shows wheat growing out of his mummified body, it being a symbol of resurrection. The "corn-dolly" was derived from the Egyptian custom of making a figure of the god in grain on a mat, which germinated when watered. There is a good example in the Cairo Museum. An ear of wheat was not only a significant sign in the Osirian eucharistic and resurrection mysteries, but was used in the Mysteries of Eleusis and elsewhere.

Much plant material has been found in the tombs in the form of chaplets and wreaths, also as dried berries and seeds. In many cases we know the time of year a person was entombed by the seasonal flowers found.

Plant remains found include:

Amygdalus persica

Areca spp.

Carthamnus tinctoria

Centaurea cyamus

Helichrysum bracteatum

Hordeum vulgare

Juglans regia

Laurus nobilis

Linum usitatissimum

Lupinus termis

Lychnis coerulea

Mandragora sp.

Mimusops schimperi

Narcissus polyanthus

Picris coronopifolia

Pisum arvense

Rosa centifolia

Salix spp.

Solanum dulcamara

FROM KEW TO SOUTH AFRICA

By J. P. M. BRENNAN, M.A., B.Sc., F.L.S., F.I.Biol.

From December 1975 to February 1976 I had the good fortune to pay a most memorable and enjoyable visit lasting just under two months to South Africa. In the following pages I will try to give some account both of the visit and its background.

The links between the Royal Botanic Gardens, Kew, in England, and South Africa are numerous, close and of long standing. Towards the end of the eighteenth century Francis Masson was sent by Sir Joseph Banks to make collections of plants in South Africa. In fact, if not in name, Banks was director of the then comparatively small royal botanic garden at Kew, from which the present institution was to grow in the following century. *Encephalartos longifolius*, one of the plants introduced by Masson in 1775, recently had its two-hundredth birthday in the Palm House at Kew, venerable but in sound health.

In the latter half of the nineteenth century the completion of the *Flora Capensis*, the pioneer flora of South Africa, was entrusted to Kew, the task being finally finished in 1933. The Kew Herbarium is very rich in type-specimens of South African plants—those original specimens seen by the authors of new species etc., to which, by an internationally agreed code, the scientific names given by the author remain permanently attached. So rich is the Herbarium and Library that for many years past the South African Government has continuously maintained a Botanical Liaison Officer at Kew. The tenure of the post changes, of course: at the time of my visit it was Dr. Helmuth Tölken, who gave me great help in preliminary planning; it is now Mr. Trevor Arnold, both staff members of the Botanical Research Institute in Pretoria.

Thoughts of these and many other links were much in my mind during the planning, once the visit was transformed from being just possible, to certain. Three weeks were to be spent in Cape Town and rather longer in Pretoria. During this time botanical institutions in both places were to be visited and field work to be carried out on various groups in whose classification for Africa as a whole I was particularly interested—Commelinaceae, *Acacia*, Chenopodiaceae, *Amaranthus*, etc.

With my wife who was with me for the whole duration of the visit, and my son Timothy who was with us for two and a half weeks over the school Christmas holidays, I left London on a grey Christmas Day, for the generous warmth and sunshine of Johannesburg. After a brief weekend visit to the Kruger National Park, where the plants are as fascinating though less looked at than the animals, we continued to Cape Town. The "milk train"

is not the quickest means of going from Johannesburg to Cape Town, but it isn't a bad way of getting an impression of the variety and subtle graduations of the karroo vegetation.

At Cape Town we were greeted by Professor Brian Rycroft, the Director of the National Botanic Gardens at Kirstenbosch who that same day asked us to go with him to Greyton, a quiet characterful village in the mountains beyond Caledon, there to pass a few days over the New Year holiday, with the opportunity of studying the rich fynbos vegetation at close quarters. It was most interesting to see how many species were in good condition and flowering, in spite of there having been no rain for some time, and this must surely be due to the moisture requirement of the plants being supplied by condensation from cloud and mist. This was particularly noticeable higher up the mountain slopes. The soil was very dry but the plants themselves were thriving. It was clear that the fynbos is a most vulnerable vegetation-type—not from the occasional fire which may well be a normal part of its regime, but from invasion by alien trees and shrubs—*Pinus*, *Acacia*, *Hakea*. Better control over their spread, which can be rapid and invasive, is much needed, and a biological means would probably be the most economical and efficient. The variety of species in a limited area, many of them spectacular and with horticultural potential, is perhaps unparalleled, and the fynbos would certainly be a claimant for having the greatest wealth of species of any vegetation-type in the world. South Africa must preserve, in trust for the world, adequate areas of this unique plant heritage. Much has indeed been done, but sustained vigilance and even greater effort are needed. For these to be successful, reliable and full information is vital, and the excellent foundation has been laid by the work of Dr. Tony Hall on the endangered Cape species carried out at the University of Cape Town in Professor Schelpe's department. If a special highlight has to be mentioned for these memorable few days, it is a little pool with a waterfall, far away in the mountains, remote from roads, with delightful tea-coloured water fringed by the (to European eyes) familiar moss *Sphagnum*, among which were little groups of pink-and-white *Disa tripetaloides*, mixed with mauve *Utricularia* and pink *Drosera*, and beyond with tall Restionaceae and shady *Tarchonanthus* bushes.

Sometimes in the deep mountain kloofs, evergreen forest could be seen, utterly different from the fynbos in appearance (and, surely, history), with many boulders and grand evergreen trees—*Ilex mitis*, *Olinia cymosa*, *Curtisia faginea*, *Ocotea bullata*, etc., often widespread in their range and some making me feel nostalgic about the evergreen mountain forests in tropical Africa.

We returned to Cape Town on 5th January to live in the delightful guest house of the National Botanic Gardens at Kirstenbosch—surely a candidate for the most beautifully situated botanic

garden in the world. I am indebted to The Director, Professor Rycroft, for his great kindness. I would like to record how impressed I was with the concurrent efforts to publicise and conserve the South African flora that are being made there. Clearly there are still problems to be solved in such matters as propagation, seed germination and establishment of many South African species. Great efforts are being made at Kirstenbosch, but this may well be an area where nurserymen and other botanic gardens may be able to give substantial co-operation. The richness of the flora and the horticultural desirability of many species are arguments for this, and there is a conservation argument too: adequate propagation in nurseries can be a way of reducing the pressure on endangered species in the wild.

Our time at Kirstenbosch was mainly spent working in the Compton and Bolus Herbaria, annotating specimens and working out problems of classification. Wonderful interludes were visits to Saldanha Bay where *Limonium roseum* ornamented the sand-dunes; to Betty's Bay where we were hospitably received by Mrs. Marie Voogts and near where we had the rare joy of seeing *Disa uniflora* quite superb in a native habitat; and to the Karroo Garden at Worcester where we saw not only a delectable garden but also the interesting research on *Haworthia* carried out by the Curator, Mr. Bruce Bayer.

One day was spent in the Hottentot Holland Mountains in company with Dr. John Rourke, whose kindness was unbounded then and on many other occasions. The fynbos was very rich with numerous Ericas, *E. massonii*, *E. borboniifolia*, *E. grandiflora* and others. High up on the Somerset Sneekop, to whose summit we climbed, were bushes of *Protea grandiceps* and the delightful *P. rupicola* forming loose mats on rock-ledges and with its fine pink flower-heads scattered here and there. It is highly satisfactory that the Forest Department has set aside this area as a reserve.

During our stay at Kirstenbosch we found endless pleasure in walking through the gardens and in particular in hearing from the Curator, Mr. Jack Marais, of the great efforts made to clear alien plant invaders, among which a European bramble (*Rubus*) is one of the most pernicious.

On the 20th January we regretfully said goodbye to the Guest House at Kirstenbosch and in a small hired car, full of luggage and collecting equipment, set off on our long circuitous journey to Pretoria—circuitous not only to cover particular localities where Chenopodiaceae and Amaranthaceae might be interesting (many are characteristic of roadsides), but also to see new regions and new plants. Six days it lasted, with stops at Knysna, Aberdeen, the Mountain Zebra Park near Cradock and the Orange Free State Botanic Garden at Bloemfontein. It was full of interest throughout, but particular memories are of a grove of flowering

Acacia karroo trees near Robertson, filling the air with their sweet scent; a splendid *Brunsvigia* in full pink bloom near Post Chalmers; and the very interesting plants native and introduced shown to us by the Curator, Mr. Peter Chaplin, at Bloemfontein.

We arrived in Pretoria on 26th January to be welcomed by our kindly hosts, Dr. Don Killick, Deputy Director of the Botanical Research Institute and his wife Mrs. Berenice Killick.

It was a pleasant task to work through the rich herbarium collections in the Botanical Research Institute, where they are admirably housed and with enviable room for twenty years expansion. The Director, Dr. Bernard de Winter, a friend of many years standing since the time he was Botanical Liaison Officer at Kew, kindly gave me every facility for working, and helped me in many other ways too. The national Botanic Garden under the Curatorship of Mr. Admiraal, is most promising for its future development. Of especial interest is the enterprising attempt to create various microclimates representative of different vegetation-types in South Africa—an example that will surely be followed in other gardens both public and private.

Memorable parts of our stay in Pretoria were two visits, each of about a week to the Limpopo valley and to northern Zululand.

For the first we hired a VW Passat and set off northwards. It was particularly interesting to see the dwarf rhizomatous *Acacia tennispina* near Pienaars River, with apparent hybrids with *A. karroo*—and hybrids are surprisingly rare anywhere in the genus *Acacia*.

We duly marvelled at the nabooms (*Euphorbia ingens*) at Naboomspruit. Then, after an overnight stop with the hospitable Mr. and Mrs. Altenroxel at Mooketsi, and the opportunity of seeing numerous Commelinaceae on the hillsides near-by, my wife and I set off for Tshipise near the Limpopo. The heat was stifling but the countryside green and full of interest. There were numerous acacias including the two very different variants of *A. senegal* about which Dr. I. Verdoorn and myself had corresponded many years ago; our verdict on them still stands. The tropical vegetation was rich and captivating: baobabs were everywhere, with mopane and the strange *Sesamothamnus lugardii*, a shrub or small tree looking as though it were trying to emulate a baobab in form, though not at all closely related.

The days, busy with collecting, passed all too quickly and we left with regret the Limpopo, not grey-green and grassy but brown and majestic but fringed still by its fever-trees whose yellow bark seemed just very attractive rather than medically menacing.

On our way back we gladly agreed to the kind invitation of Hubert and Blanche Altenroxel to pass another night at Vreedzam,

and next morning had a memorable but far too short visit to the evergreen forest of the Woodbush, where there are many most attractive plants, *Begonia*, *Streptocarpus*, *Littonia*, *Cyrtosus paniculatus*, etc.

Our objective in Zululand was to see and collect in the tropical vegetation near the coast, where there are areas of sand-forest and even evergreen forest where Commelinaceae are especially well represented. We had the great advantage of having as our excellent travelling companion and driver Hans Vahrmeijer, on the staff of the Institute at Pretoria, a mine of information about plants and animals in their native habitats. We made our base at Jozini from where it was easy to explore the neighbouring Lebombo Mountains, to see the endemic *Encephalartos lebomboensis* and more Commelinaceae than we had dared to hope for. Space doesn't allow me to describe the wealth of plants in the coastal plain, but they ranged from the grand *Strelitzia nicolai*, *Encephalartos ferox* and *Hyphaene natalensis* down to three of the smallest flowering plants in the world, belonging to the genera *Wolffia* and *Wolffiella*—specks of green in freshwater swamp near Sordwana Bay.

I was delighted to see, for the first time in the wild, a Commelinaceous plant, *Ballya zebрина*, which I had myself described and which has a strange distribution journeying from Somalia and Kenya to Zululand. When the time came to leave I felt that we had barely started to know the wonderful and rich flora of this part of South Africa. It was a joy to see huge tracts of unspoiled countryside and I hope that the demands of "progress" will somehow allow it to remain so. Our two-day return journey allowed a brief pause among the cool rainy hills of Swaziland where some beautiful species of *Protea*, *Selago*, *Watsonia* and *Helichrysum* brought back happy memories of the Cape fynbos. Three days later we were looking at the first spring crocuses at Kew timidly braving the tail-end of an English winter.

All-in-all, an unforgettable and enjoyable stay, having especial memories of many new friends and much kindness. The specimens brought back must now be worked out—a task likely to take a year or more, but I hope that it will be a small contribution to a better knowledge of South African plants.

(Published verbatim from a typescript sent originally to the South African Nurserymen's Association and with their permission.—Ed.)

ROYAL BOTANIC GARDENS, KEW—
EXPEDITION TO PAPUA, NEW GUINEA

By GRAHAM PATTISON

In 1970 Martin Sands (Guild Asst. Sec.) was seconded to a British Museum Expedition to collect herbarium and living material in the Danfu River area of New Ireland as well as other parts of Papua, New Guinea. However, in New Ireland it had proved only possible to collect up to 3,000ft so that in 1975, an Expedition from Kew was mounted to explore especially the higher altitudes in New Ireland for the first time. Thus, on the 23rd July, 1975, three members of the Kew staff set out to collect plants in Papua, New Guinea, for 4½ months: Martin Sands (Herbarium), Leader, with a special interest in *Begoniaceae*; Jeffrey Wood (Herbarium), *Orchidaceae*; and myself, Graham Pattison ("T" Range Supervisor) with special responsibility for collecting and despatching living material.

En route we had to spend three days in Singapore, and took the opportunity to visit three Old Kewites, A. G. Alphonso (1956), Yong Fann Chin (1968) and J. Roberts (1968), the latter having just arrived to take up a Landscape post with the Development Corporation. There was then an overnight stop in Darwin which revealed some of the incredible damage caused by the cyclone some six months earlier, and a further two days were spent in Sydney and the Blue Mountains, before finally moving on to Brisbane for our last flight into Port Moresby, the capital of Papua, New Guinea. On arrival, detailed arrangements for the despatch of the living material were verified with the Air Cargo Manager, and the following day we flew on to Lae on the north east coast, as there is no road link across the island. In Lae, we were met, in the absence of John Womersley, by Ted Henty who was Acting Chief of the Division of Botany, Lae, a part of the Department of Forests, Papua New Guinea.

Our first collecting trip was to have been to the Sawawaged Mountains north of Lae, but due to very wet weather, this had to be cancelled and instead we went to a remote region around Wabo on the Purari River west of Port Moresby. We were then to continue with our original programme of two weeks on Mt. Piora, in the Eastern Highlands, six weeks in the Hans Meyer Range of New Ireland and finally four weeks in the Admiralty Island Group.

Following our short trip to Wabo, we arrived back at Lae, and after a few days we were off again, at first by road, to Mt. Piora.

Mt. Piora

The village of Habi'ina in the Eastern Highlands lies at the foot of Mt. Piora at an altitude of 6,500ft and here we made our base camp in one of the small round houses, kept for visitors. The

villagers here were fairly primitive, the old men with pig tusks through their noses and the women often wearing only grass skirts. The main crops grown were coffee, bananas and sugar, and wild pig, though fairly common, was not eaten very much.

On the second day after our arrival, with the help of a guide and several carriers we began our ascent of the mountain, and after two days made a permanent camp at 11,400ft. The day of arrival was hot and sunny with a temperature of 65°F but that was to be the last of the good weather. It could be quite cold at this high altitude and in fact our guide produced some icicles from the south side of a large bluff. One morning was quite reminiscent of home with 4°F of ground frost. The vegetation above 11,000ft is sub-alpine scrub and tussock grassland, and some of the interesting small plants found over the next few days included *Euphrasia* sp.; two blue *Gentian* sp.; a *Dendrobium* in the section *Oxyglossum* a mass of brilliant orange flowers (growing on the trunks of *Cyathea gleichenioides* and *Dacrocarpus*), and an interesting *Pedilochilus* growing on mossy rocks. The summit, 12,150ft, which was some way west of our camp, was reached on one occasion after a long trek through the mist and around deep limestone crevasses.

After two weeks we returned to Habi'ina and thence to Lae, but before we could move on to our main expedition in New Ireland, Papua New Guinea, after many delays gained its Independence at last on 16th September, which prevented further travel for a few days.

New Ireland

Following the celebrations of Independence, we made our way from Lae by scheduled air flight to Rabaul which is the main town in New Britain and the nearest to our objective, the Hans Meyer Range in Southern New Ireland. Rabaul has a natural deep water harbour formed from a huge old volcanic crater. One subsidiary cone, Matupit, is still a little active but its last major eruption was in the 1930's and it is now possible to walk up its flanks and down into its crater where many small fumeroles can be seen issuing forth steam and forming yellow sulphur crystals.

At this stage in our travels a final decision had to be taken as to how best approach the Hans Meyer Range. The possibilities included walking from the east or the west coast; or dropping in by helicopter which would mean landing near the water shed of the Weitin and Kamdaru Rivers, on the river gravel. To help resolve the matter a light aircraft was chartered from Rabaul for two hours early one morning before the cloud cover built up, in order to see the forest and terrain at first hand, as the only map available was 30 years old with crucial high ground shown as an "area obscured by cloud". As a result of the observations it became clear

that we would have to take a boat from Rabaul and land near Siar Mission on the east coast.

Leaving Rabaul on Saturday, 27th September, we made our way by night round Cape St. George to Taron, a small coastal native village near the mission. Because of rough seas we had to anchor two to three miles south of Taron and a little way off the coast transferring our cargo in a small rowing boat and making about 12 trips to the shore. Our first camp was an old Aid Post just outside the village, a place in which Father Genduzza from the mission had advised us to stay. Initially it was necessary to sort out food and equipment, arranging it into manageable loads and weekly amounts and discussions were held with the "Committee" of the village to consider how many porters could be found. Our first guide, called Fanakiap, the oldest man of the village, claimed to own the mountain and he took us to 1,800ft near to the sites of some old villages and an inland lake called Mandih. It was here that our base camp was established. On our approach to the lake Fanakiap had first to talk to the spirits of his ancestors before we could proceed, because several of his family had been drowned there. Apparently "little people" were responsible—another Irish connection!

In this area of primary forest there were many large trees, some of the genera represented being *Dillenia*, *Alstonia*, *Octomeles* and *Albizia*. Jim Croft, a botanist from Lae who was with us and was especially interested in ferns, was very pleased with one of our most interesting finds, the fern *Christensenia aesculifolia*, a new record for the island and not apparently recorded from New Guinea before.

The next camp was established at 4,500ft in a wide belt of bamboo, a plant which proved useful in many ways. To reach this camp and the higher altitudes tracks had to be cut using compass, altimeter and instinct! All our water had to be collected off the polythene roof of the shelter and when it did not rain the bamboo had to be cut and the water taken from the stems. At 6,800ft a makeshift shelter was made which was just a sheet of polythene over a crude sapling frame, but at 7,400ft we pitched a tent which served as our last main camp, with a rough bivouac in the saddle beyond the summit. There was no water to be found near the upper camps apart from one shallow puddle the size of a dinner plate crawling with mosquito larvae. Luckily for us this just lasted if we carefully sucked it out, using a small bamboo tube. The vegetation near the summit was montane in character with "Oaks" *Dacrocarpus*, *Ericaceae* and *Myrtaceae*. *Dicksonia* was also found as well as *Blechnum fraseri*, *Dendrobium* and *Pedilochilus* species but our best find from the horticultural point of view was a *Rhododendron*, close to *R. splendens*, with large white flowers up to 4½ inches across.

One of the problems of collecting living plants on an expedition of this kind is that the first day's gathering has to be kept along

with subsequent collections until the end of the expedition, or a suitable time has to be found at which to make a special trek out of the forest, just to send the living material on its journey to Kew. On one occasion I made my way down, collecting the plants from the "nurseries" at each camp, to the base camp where the plants could be processed for despatch. It was Sunday morning when I set out from Taron at 05.30 hours to walk to the Mission just in time to catch the weekly Mission flight to Rabaul at 09.30. Afterwards I was lucky to have a chance to join Father Genduzza for a breakfast of bacon and eggs, which made a welcome change from dry biscuits and jam. On leaving he gave me three loaves of bread to take back into the forest and from Taron more carriers and supplies accompanied me to the camp at 4,500ft.

Father Genduzza had been following our movements with interest and had located us by using his home-made "telescope", a hole in a piece of cardboard on a pole, that was lined up each night with our camp lights!

A fortnight after my plant despatching mission we were all on our way back to Taron, nearing the end of our six week stay in New Ireland. The boat that came to pick us up, as on the outward journey, bobbed about like a cork and for me especially keeping a meal down presented a slight problem. In Rabaul, a few days were spent preparing the cargo for shipment as well as swimming and eating some good food, which made a change from rice and tinned meat or fish. Shortly afterwards we flew on to begin the last part of our expedition to the Admiralty Islands and in particular to the island called Manus, but that is yet another story!

On our return to Lae, a week was spent sorting out our collections and cargo for their journey to Kew. Martin Sands was to leave a few days after us for a holiday in Australia before going on to undertake more field work in the Philippines. Jeffrey Wood and I left on Sunday, 14th December, by air, calling at Sydney and the Botanic Gardens where we met Don Blaxall, who had recently been the Australian Liaison Botanist in the Kew herbarium. By chance in the Gardens we also saw Paul Everitt (1970). And so we returned via Singapore to England, arriving on 21st December to typical English weather—a far cry from the tropics.

A SHORT HISTORY OF THE KEW GARDENS LAWN TENNIS CLUB, 1891-1976

The Club was founded some 85 years ago on May 9th 1891 under the Chairmanship of Sir W. T. Thiselton-Dyer, then Director of Kew. Membership was 27 and the annual subscription was set at 5/- for men, 2/6 for ladies, which included the cost of tennis balls, and great interest and enthusiasm was shown in the Club. The total cost of setting up the courts, including boundary and other netting, marking equipment, balls and labour at 1/- per hour, came to £5.4.0. The first matches were arranged in 1897 against Priory Park (a club still in existence locally) and others later against the British Museum, Fairlawn Park and Dr. Burrell's team.

Prominent amongst the members in those early days and officials of the Club for many years were W. N. Winn, George Nicholson, W. Dallimore and J. Aikman. Winn incidentally remained one of the Club's strongest supporters for 54 years and there is no doubt that the Club would have ceased to exist during its bad periods had Winn's energy and perseverance not held it together. Winn had been known to relate how he would sit by the courts for hours in his tennis attire on Saturday afternoons knowing no-one was likely to arrive to play, merely to give the appearance of activity in the Club. He was still playing tennis in the season before his death when he had nearly reached the age of eighty. Upon his death in 1946 he had been secretary for over 30 years.

The Club was well established at the time of the outbreak of the First World War in 1914 and play continued during the war years although with a diminished membership and more dependence upon the ladies. Although the men's matches were discontinued during this period other activities were pursued which included fund raising for the war effort. In 1915 wounded soldiers from the British Red Cross Hospital on Richmond Green were invited to "tea and Games" but were unable to attend due to poor weather. However cigarettes and provisions were purchased from local tradesmen—Mills and Winsall, Tea Dealers & Grocers of Mortlake Terrace, J. T. Edwards Ltd., Licensed Cowkeeper and Dairy Farmer of 1 Gloucester Terrace, and Newens and Sons, Bakers, and were sent to them at the hospital.

A reasonable standard of play prevailed during the 1920's and 30's. Matches continued and interest increased until membership reached 55 in 1928. Entrance was still restricted however. Students, for instance, had not been admitted to membership until 1921 and then a maximum of only 12 in any one season. Social meetings were being arranged regularly at this time and the bowls section revived. Facilities had improved immeasurably

with the extension to the pavilion in 1925. "It is now (1925) a fine and commodious structure so much so that it was used by the Director for a garden party." Also in 1925 talks were held with the Director with a view to laying down a hard court. Permission was obtained from the Lord Chamberlain's Office and it was proposed that the cost, £150, be funded by the issue to members of £1 shares, interest bearing at 2½%. In the event, the proposal was not pursued although similar ideas have been discussed from time to time until the present day.

The Bowls Section was started in 1910 using what is now the fourth tennis court. The game became very popular in the Gardens in the late 1920's and 30's and a good standard of play reached. Two members played representative bowls for the Civil Service (Messrs. Aikman and Coutts) and Mr. Aikman won the Civil Service Handicap in 1930. Matches were played regularly and it was obviously the hope of the Committee that tennis members would take to bowls as they grew older as indicated in the following comments by the Chairman in 1931:— "Mature members of the tennis section should be induced to discard their Peter Pan attitude and accept the fact that there is a natural chronological progression in recreation from games of vigour to games of dexterity and to realise that an elderly gentleman playing tennis is as great an anachronism as a middle-aged one disporting himself with marbles and tops." Regrettably interest waned and bowls was discontinued in the early 1940's.

Tennis continued to be popular and in 1936 Mr. R. L. Proudlock, President of the Kew Guild 1935-36, presented the Proudlock Cup for Lawn Tennis for competition between past and present Kewites. It was his wish that the competition serve as a link between them, old Kewites being allowed to compete without becoming Club members. A similar cup (The Kew Guild Ladies Tennis Trophy) was presented in 1937 again by Mr. Proudlock for competition between the ladies. (Incidentally in two finals matches that year a pair of Library steps from the Herbarium was used as the Umpires Stand, to the discomfort of the Umpire.) The first winner of the Proudlock Cup was Mr. F. S. Sillitoe and of the Ladies Trophy, Mrs. E. W. Milne-Redhead. Mrs. Milne-Redhead was to win this cup on a further 12 occasions. The Club's records indicate that she and her husband first joined the Club in the very early 1930's, and both subsequently served in various capacities and were still members as late as 1970.

Play continued during the Second World War with unusual difficulties—air raid warnings sent players to shelters on a number of occasions. Also since tea was not provided due to rationing all members were asked to bring their own food and a teaspoonful of tea which was then added to the dried milk provided. Members on leave from the Forces enjoyed the occasional game.

After the war membership rose to 50 (1949) no doubt due to the very warm summer with the largest number of hours of sunshine recorded then since records began. During the 1950's matches were played against the GPO Richmond, The Natural History Museum and RHS Wisley. In 1956 Sir George Taylor (then Dr. Taylor) became President of the Club and Mr. Brenan, now Director, joined the Committee.

New competitions were instituted in 1964 between the Club and the Natural History Museum for a cup they presented to us known as the Nathismus Cup and it was arranged to play three matches annually. Facilities at the Club were greatly improved in 1967 with the assistance of the Curator Mr. R. L. Shaw who arranged to have all boundary posts and wiring renewed. The Ministry of Works also carried out numerous repairs to the Pavilion roof. More recently electricity has been installed in the Pavilion and boundary netting replaced and repaired. Costs continue to escalate however—a new cross court net recently purchased cost £20—compare this with the cost in 1891, 2 nets 19/6d.

Today, competitions are still arranged for the Ladies' and Men's Proudlock Cups. Also two matches are played annually against Queen Elizabeth College (one on their grass courts at Petersham and a return match at Kew) and three matches annually are played against "The Charlie Butler" team, Mortlake, for the Dempsey Cup presented in 1971 by Ned Dempsey the former landlord of the Coach and Horses, Kew Green.

The Tennis Club is still extremely popular and has over 40 members this year from the Jodrell, Director's Office, the Gardens, Herbarium, Library, Typing Pool, Constabulary and Students—probably the widest membership ever.

I feel it will not be amiss at this point in time to offer our thanks to the Gardens Staff who have maintained the courts in recent years and also to the local D.O.E. Depôt for their very kind help over so many years.

Mrs. T. R. GARDINER,
Hon. Secretary/Treasurer,
R.B.G. Kew Lawn Tennis Club (1976).

Enquiries concerning the Kew Lawn Tennis Club may be made during 1977 in writing to Mr. S. A. Renvoize, Herbarium, R.B.G. Kew, (Ed.).

BOOK REVIEWS

The only book received by the Editor for review was the new Faber & Faber paperback edition of 'The Pruning of Trees, Shrubs & Conifers' by George E. Brown. Mr. Brown retired on 25th February as Assistant Curator of the Arboretum at Kew. The book costs £3.95 and contains 351 pages of tightly spaced information, arranged in two parts. Part one deals with General Principles of Pruning, Pruning of Trees and Conifers, Shrubs and Climbers, and Pruning in Special Circumstances. Part two deals with Specific Pruning Needs and a list of Genera. At the end are Appendices on Synonyms; Common English Names and their Botanical Equivalents; Tools and Equipment; Saw Sharpening and Maintenance; Slings; Accident Prevention and First Aid—by Grace M. Webber; and a Glossary of Botanical and Technical Terms. Mr. Brown provides many interesting and well illustrative photographs, although many of the line illustrations are far too small and indistinct.

The book is a valuable 'must' for those involved and interested in Horticulture.

RICHARD C. WARD.

Kew Guild Rule Change as from 1976 A.G.M.

Members' attention is drawn to the change of Rule 9A and 10A where the AGM agreed the appointment of an "Honorary Membership Treasurer." Please make the necessary changes in your rules.—Ed.

PHOTOGRAPHIC ARCHIVES

Members are requested to send a print, and negative if possible, of an up-to-date head and shoulders black and white photograph for record purposes. Please send them to the Secretary, Kew Guild, RBG, Kew.

OBITUARIES

MISS ANNIE HUTCHINGS

We were grieved to learn from Mrs. Mollie Patterson that her aunt, Miss Annie Hutchings had died on the 25th April 1976. She was aged 91 years.

Annie, who was the younger sister of Miss Alice Hutchings, left Kew in 1917 for Swanley College and later worked with Miss Gertrude Cope who was also one of the first lady Gardeners at Kew. Eventually she was in charge of gardens in North Wales and in Shropshire.

In her later years she devoted her attention to her garden in Deal, Kent where it was beautifully kept until her sudden illness at the age of 84.

Mollie writes—"I was very fond of my little aunt who was certainly a faithful gardener and a lover of plants."

We send our sympathies to Mrs. Mollie Patterson and any other relatives.

A TRIBUTE TO DONALD WELLS

We were all shocked to learn of the death of Donald Wells our Vice President for 1975 to 1977.

An outline of Don's career appears in the 1975 Journal. He was a very keen supporter of the Kew Guild and contributed a great deal to its prestige and also to that of Kew. Don loved to walk around Kew and the Arboretum in particular, and was proud of the fact that during his days as a student he had attended a course of lectures on Trees and Tree Work by William Dallimore.

It was Dallimore of course who introduced sound pruning practice and good tree training and culture into this country. To Don we owe much in the continuation of this work in the formation of the Arboricultural Association. He was the driving force behind this organisation when it was formed, the main purpose being to bring together those who were interested in trees and in raising the general level of tree-work and tree culture. During the early days of the Association this small band of dedicated tree lovers was held together and fired by Don's enthusiasm and leadership. During this period when there were many teething troubles and difficulties he was very ably and tirelessly supported by his wife Evelyn who was Treasurer of the Association.

We send our sincere sympathies to Evelyn, their son and daughter and other relatives.

GEORGE E. BROWN.

DON PRINGLE

Sadly we record the untimely death of Don Pringle in a car accident in Kenya on the night of the 4th October 1975. He was returning home from Limuru where he had just guided the home team to a 44 run win over Impala in a friendly cricket match.

Brian Perkins (1950) now retired and living in Mombasa sent in the sad news. He wrote—"I was largely responsible for his

appointment from Kew to the Nairobi Parks Department in 1956. More recently we often met up with each other in our various travels around the country when dealing with our respective projects."

Don had a profound horticultural knowledge with great ability for landscaping and design work. To quote from the Standard of Nairobi—"Happily, in Nairobi and elsewhere, there are colourful memorials to his hard work and expertise."

Don too was a great cricketer. Even before going out to Kenya he had played for Prestwich. He played regularly for the Nairobi Civil Service, Parklands, Nairobi Club and Limuru, receiving his first Kenya cup in 1958 against Uganda and his East African cup in 1963. Mike Brown, the Chairman of the Kenya Cricket Association wrote—"Don was dearly loved by everybody who had cricket at heart. I played with him for 18 years and I think it is no exaggeration to say he was the finest pace bowler Kenya ever produced." In 1968 Don, a useful middle order batsman, hit his highest score for Kenya—an unbeaten 68 against India, a side which contained some of the world's leading cricketers like the Nawab of Pataudi, Chandrasekhar and Venkataraghavan. A one minute silence was observed in memory of Don Pringle, the great all-rounder at all the four Kenya Cricket Association League matches on the following day.

Don was born in 1932 in Salford, Lancashire, receiving his education at Bury. His wife was at one time on the Herbarium Staff.

To his wife Dora, to their children Derek and Janet and to his mother we send our heartfelt sympathies.

G. W. ROBINSON

We regret that George William Robinson died at the end of May 1976. He was a son and grandson of head gardeners, and at fifteen was apprenticed in a well-known Cumberland garden. After service in the first world war he went to France and Belgium with the War Graves Commission for experience in construction and landscape work.

In 1922 he became a student gardener at Kew, being employed in the greenhouses of the tropical department. Three years later he found himself engaged on laying out an estate in South America, and had a wonderful opportunity of cultivating temperate and sub-tropical plants.

On his return to England he was appointed Assistant Curator at the Royal Botanic Gardens, Kew, and a few years later Curator at the Chelsea Physic Garden.

In 1942 he went to the old University Botanic Garden at Oxford where he lived for 21 years. While at Oxford he was awarded an honorary M.A. degree, the V.M.H., A.L.S., and A.H.R.H.S. He was president of the Kew Guild, 1957/58. After his early retirement through ill-health he went to live in Coventry.

V. S. SUMMERHAYES

A well-loved and widely respected former member of the Kew Herbarium staff, Victor S. Summerhayes, died on 27th December 1974, at the age of 77.

A full account of his career has been given earlier (see *Kew Guild Journal*, VIII, No. LXXI, p.649, 1966) when he was elected Vice-President of the Guild from 1966 to 1968. Since retiring in 1964 he had lived in Sidmouth, Devon, at "Red Gates" where he developed and tended his large and interesting garden. His early training in ecology served him in good stead there as he tackled the weeds which initially proved a problem. It was characteristic of him that in his letters mentioning the "garden" plants he also included a list of the intruders and compared it



VICTOR S. SUMMERHAYES

with the similar list he had prepared at his garden when he lived near Kew Gardens Station. Many were the kinds of fruit, vegetable and flowers that he grew, but orchids, strangely perhaps, were not among them. Nevertheless his interest in and contact with the orchid family continued until his death. A manuscript of an illustrated handbook on British orchids which he had been commissioned to write by the Botanical Society of the British Isles was in active preparation until the onset of the short illness that led to his death. It was the native British and western European species that had attracted most of his attention since his retirement and he had enriched the Kew Herbarium with very carefully prepared specimens collected on his annual botanising "holidays". A second edition of his highly successful *New Naturalist "Wild Orchids of Britain"* was published in 1969 and like the original edition maintained a constant and high average sale. His interest in British plants was not confined to orchids and he was actively concerned with collecting records for the "Flora of Devon" project.

His scrupulously unbiased approach to all matters coupled with his quick and incisive manner made him a very useful person to sit on committees and be an active member of working parties. Although his active participation decreased after his retirement, he nevertheless attended the meetings of the Orchid Committee of the Royal Horticultural Society whenever his trips to London permitted.

He will be missed by all of us that knew him as a kind-hearted sincere and happy friend.

P. F. HUNT.

A. J. HOPKINS

We regret to record the death of Alfred Hopkins on 30th September 1975 at the age of 75 years.

On leaving school he went into market gardening and continued in this until he was called up for Military Service in World War 1. Returning to civilian life he joined the staff of Cambridge Botanical Gardens and later became foreman. During his service at Kew which followed he held the post of foreman in the Orchids under Bill Taylor.

During 1926 he left Kew taking charge of a private estate in Italy. A return was made in 1933 and he continued in private service until he was called up again for the Forces in World War II.

Upon demobilisation in 1944 he was appointed as Gardens Superintendent to Leicester University, a post which he held until 1966 when he retired.

In the words of Bob Sealy, "Alf. was subforeman in the Orchid Houses and T. Range when I worked there for a year, so of course I knew him very well. Alf's brother, George, who was also at Kew in my time in the Gardens, died in 1962."

Jack Grant (1928) and Alfred were life long friends and when he retired from Leicester University he went to live in Somerset, a few miles from Jack. He took a great pride in his garden.

We send our sincere sympathies to Mrs. W. Hopkins.

J. C. TAYLOR

Prof. J. C. Taylor, who retired only 2½ years ago from the Dept. of Horticultural Science, University of Guelph, passed away on 5th July 1976 in Guelph.

Born in Scotland, Mr. Taylor received his early education there and in England. He later became a student at the John Innes Horticultural Institute which was then at Merton, and entered Kew in 1934. In 1936 he joined the staff of the Dept. of Horticulture Ontario Agriculture College, and for 38 years was prominent in teaching and extension activities. He authored many publications on ornamental plants, and took a special interest in plant nomenclature. Following his retirement from the University in 1974, he was appointed Registrar for the Canadian Ornamental Plant Foundation, and was active in this work until his death.

Jim Taylor was loved and respected by the hundreds of students who came under his guidance during his years at the University, and by all those who worked with him. He will be remembered at Kew for his great work with ornamental plants.

We extend our sincerest sympathy to his family.

* * *

It has been brought to our attention, either at the last A.G.M. or since, that the following Kewites have also died: F. Ballard, A. J. Brooks, J. E. Dandy, J. J. MacKintosh, T. D. Maitland, W. J. Ringia.

We offer condolences to relatives and will, where information exists, publish suitable obituaries in the 1977 Journal.—Ed.

ADDRESS LIST OF OLD KEWITES (April 1977)

(The names of Past Presidents are preceded by a dagger, Life Members by an asterisk and Active Members by a hyphen. The year of leaving Kew is indicated. By agreement with the Department of Education and Science holders of the Kew Diploma may place Dip.Hort.(Kew) after their names : this is not indicated in the following list.)

ABBREVIATIONS: H.G., Head Gardener; F., Foreman; N., Nurseryman; M.G., Market Gardener; C., Curator; A.C., Assistant Curator; D., Director; A.D., Assistant Director; M., Manager; S., Superintendent; A.S., Assistant Superintendent; D.S., District Superintendent; H.L., Hort. Lecturer; A.O., Advisory Officer; B.G., Botanic Gardens; H.J., Horticultural Journalist.

Members are invited to notify the Hon. Membership Treasurer of qualifications so that these may be included in the list below.

- 1973 -Abrahams, M. R., c/o Mrs. Lillington, 19 Worthing Road, Southsea, Hants.
 1959 -Adams, R., 63 Franks Avenue, New Malden, Surrey, KT3 5DD.
 1938 *Addison, G. H., Lot 5, Owen Road, Darlington, W. Australia, 6070.
 1957 -Addison, P., N.D.H., 6 Walney Road, West Derby, Liverpool, LI2 5EW.
 1960 -Adshead, P., Hothley, Kingsgate Road, Winchester, Hants.
 1926 -Agate, C. J., RTI Box 645, WTZ, FLA 33549, U.S.A.
 1949 -Ainslie, E., 32 Bakewell Road, Hazel Grove, Stockport, Cheshire.
 1939 *Airey, J. E., Westmoor Gardens, Mansel Lucy, Hereford.
 1945 *Albert, Mrs. H. (Miss H. J. Stent), 65 Summet Street, Oyster Bay, Long Island, N.Y., U.S.A.
 1930 Alcock, R. M., 5 Upper Mount, Grangewood, Haslemere, Surrey.
 1930 -Alcock, R. M., 5 Upper Mount, Grayswood, Haslemere, Surrey.
 1969 Alderson, M. J., 21 Blue Road, Tiptree, Colchester, Essex.
 1962 -Aldous, J., Roebuck, Dolly End, Witney, Oxon.
 1946 Allen, Miss B. (See Mrs. F. Christopher).
 1948 Allen, F. H., Coombe Villa, Wootton-under-Edge, Glos.
 1961 -Allen, J., Velmead, Winsford Park, Beaworthy, Devon.
 1930 Allison, B. W., D., Parks Dept., Salford, Lancs.
 1956 -Alphonso, A. G., D., Botanic Gardens, Singapore.
 1945 *Ambrose, Miss R. M. (See Mrs. J. Souster).
 1957 Amoah, G. K. A., Ministry of Works and Housing, P. & Gdns. Div., P.O. Box 43, Accra, Ghana.
 1926 *Anderson, A. W. C., N.D.H.(N.Z.), 224 Church Street West, Timaru, N.Z.
 1965 -Anderson, G. H., B.E.M., 29 Glenwood, Harmans Water, Bracknell, Berks.
 -Andoh, A., P.O. Box 967, Lusaka, Zambia.
 1956 Andrews, B. R., Park Dept., City Hall, Edmonton, Alberta, Canada.
 1947 Andrews, R. H., 67 Chiltern Avenue, High Wycombe, Bucks.
 1968 -Annawetty, Miss L. (See Mrs. M. Nunov-Mensah).
 1962 -Anwyl, R. B., Hop Garden Cottage, North Mundham, Chichester, Sussex.
 1954 -Appleby, J., 53 Rathbone Road, Liverpool, L15 4HG.
 1964 -Armony, A., M.A., D., Parks D., 51 Kaplanski Street, Givataim, Israel.
 1947 *Armstrong, C. E., N.D.H., H.L., Kesteven Farm Inst., Caythorpe Court, Nr. Grantham, Lincs.
 1970 -Armstrong, G. D., Botanic Garden of Smith College, Northampton, Mass., 01060, U.S.A.
 1931 *Arnold, T. A., Box 90, Bedfordview, Transvaal, S.A.
 1920 *Ash, Mrs. W. (E. M. Harper), 22 Palace Court, Hampstead, N.W.3.
 1944 *Ashby, Mrs. D. (F. A. Sharps), Dip. Hort. (Reading), N.D.H., 145 High Street, Harston, Cambridge.
 1956 -Ast, R., Huob, 6330 Cham/ZG., Switzerland.
 1958 -Atkinson, Miss A. L. M. (See Mrs. Clemson), Agricultural Education Office, Bridge House, Bakewell, Derbs.
 1954 -Attenburrow, D. T., c/o Fisons, Levington Research Inst., Ipswich, Suffolk.
 1950 -Attwood, C. A., Atlast, East Lane End, Fairmoor, Morpeth, Northumberland.
 1910 *Aubrey, A. E., 83 Newbridge Street, Wolverhampton, Staffs.
 1939 *Aves, J. J., D.S., P.O. Box 1454, Parks Dept., Pretoria, S.A.
 1972 -Axtou, Miss M. R., 41 Wilmot Way, Banstead, Surrey.
 1968 -Baas, Dr. P., Rijks Herbarium, Schelpenkade, 6, Leiden, Netherlands.
 1920 *Baker, E., The Myrtles, Eucknalls Lane, Garston, Herts.
 1947 -Baker, M. E., 25 Springfield Road, Bury St. Edmunds, Suffolk.

- 1939 *Balch, R. W., N.D.H.(N.Z.), East Taieri, R.D.2, Mosgiel, Otago, New Zealand
 1968 Balfour, A. H., 61 Mars Street, Kensington, Johannesburg, South Africa.
 1971 -Bamkole, C. B., Parks & Gardens Unit, Univ. of Ife, Ile-Ife, Nigeria.
 1961 Banbury, J. N., 20 Oxford Street, Woodstock, Oxford.
 1965 Barber, A., 26 Ash Hayes Drive, Nailsea, Somerset, BS19 2IG.
 1962 -Baren, M. E., 4 Branwell Drive, Haworth, W. Yorks.
 1958 -Barker, L. P., 29 Somerville Square, Mosspit, Stafford, ST17 9JK.
 1923 *Barker, W. H., N.D.H., M.C., Loxton, Behind Berry, Somerton, Somerset.
 1966 -Barnes, A. L., "Brandon," 35 Walton Avenue, Twyford, Adderbury, Banbury, Oxon.
 1960 -Barnes, H. P., Supt., P.O. Box 42, Wigmore, Pennyhill Lane, West Bromwich.
 1962 -Barnett, R. C. A., Landscape Architect, 2 Hanarkisim Street, Kfar, Shmaryahu, Israel.
 1963 -Barwani, M. R., 5 Natal Road, London, N.11.
 1927 *Bassett, W. E., M.B.E., 6 Ravenswood Road, Croydon, CRO 4BI.
 1930 *Bate, C., D.I.P.A.,
 1932 Bates, W., The Gardens, Witanhurst, West Hill, Highgate, N.10.
 1962 -Bauman, R. C., M.Sc., Box 3924, Wilmington, Delaware, U.S.A., 19807.
 1954 -Baverstock, E., N.D.H., 1 The Cottage, Sidcup Place, Sidcup, Kent.
 1956 -Bayliss, C., 236 Rochester Road, Gravesend, Kent.
 1936 Beale, Mrs. S. E. (Hampton), Shelvingford, 37 London Road, Liphook, Hants.
 1970 Beardsley, C.
 1953 -Bee, R. A., N.D.H., F.L.S., M.B.I.M., F.Inst.P.R.A.(Dip.), N.D. Arbor, M.Inst. B.C.A., Dir. of Parks, Parks Dept., Cumberland House, Crown Square, Manchester, M60 3BB.
 1919 Beer, A., University B.G., Innsbruck, Tyrol, Austria.
 1942 *Bell, Miss C. O. (See Mrs. C. O. Martin).
 1963 Bell, H., 5 Grays Road, Mynydd Isa, Mold, North Wales.
 1918 *Bell, Miss V. S. (See Mrs. Danes).
 1964 -Bentall, M., P.O. Box 984, East London, S.A.
 1947 *Benton, P., 146 Friern Park, Finchley, London, N.2.
 1937 Berney, M. J., La Plaine, Geneva, Switzerland.
 1967 -Bessler, W. E., Dip.L.D. (Newcastle), 41 Bell Rd., East Molesey, Surrey, KT8 0SS.
 1967 -Beswick, J., A.I.L.A., c/o State Reception Centre, 37 Woodville Road, Woodville, S. Australia.
 1952 Bett, J. R., The Vineries, Harby, Nr. Newark, Notts.
 1957 Bewley, I. K. (See Mrs S. D. Hitt).
 1955 -Billett, M., 176 Downhall Road, Rayleigh, Essex.
 1924 *Binnington, R., S., 152 Bellemoor Road, Southampton.
 1918 *Bintner, Mrs. J. (Harper), D.I.C., N.D.H., 54 Rue de la Tourelle, Boulogne, Seine, France.
 1940 -Bird, E., 25 Cannons Meadow, Tewin, Welwyn, Herts.
 1946 Bird, Miss H. (See Mrs. G. Williams).
 1933 Blackman, J. A. E., N.D.H., Plumpton Nurseries Ltd., Sussex.
 1972 -Bletsoe, R. C., Leithcote, Acreman Street, Little Hadham, Herts.
 1945 -Blowers, J. W., A.H.R.H.S., Goodwood Estate Co. Ltd., Goodwood, Chichester, Sussex.
 1946 Blowfield, A. H., S., 298 Limpsfield Road, Sanderstead, Surrey.
 1974 Blundell, K., 267 New King's Road, London, S.W.6.
 1951 -Boddington, H. P., D.I.P.R.A., 4 Arundel Avenue, Morden, Surrey.
 1944 *Bolton, Miss I. E. (See Mrs. I. E. Cranfield).
 1936 Bonfiglioli, V., Via Trionfale, 175, Rome, Italy.
 1924 Booker, A. J., 97 Quay Road, Bridlington, Yorks.
 1956 Boot, W. A., Supt. of Parks, Pox 23, Nigel, Transvaal, South Africa.
 1938 -Boreman, A. E., S., 58 Ferndale Road, Ashford, Middlesex, TW15 3PP.
 1948 Borrett, A. H. V., 31 Barton Road, Woodbridge, Suffolk, IP 121 Q5.
 1947 Bourner, E., Garage Flat, Nuffield Lodge, Redhill, Surrey.
 1948 -Borrett, A. H. V., 31 Barton Road, Woodbridge, Suffolk IP 121 Q5.
 1966 -Bowen, R. D., F.Inst.P.R.A.(Dip.), A.Inst.B.C.A., 54 Oakridge Road, High Wycombe, Bucks.
 1949 -Bowles, H. A., The Flat, Cross Park Nursery, Coach Road, Newton Abbot, Devon, TQ12 1EW.
 1947 -Boyle, J. J., Parks Supt. House, Morrab Gardens, Penzance, Cornwall.

- 1975 -Boys, N., 214 Ladysmith Road, Enfield, Middlesex.
 1925 *Braid, K. W., O.B.E., M.A., B.Sc., Lochview, Skene, Aberdeen.
 1943 Brakin-Smith, Mrs. E. B. (Miss E. P. King), 12 Thornborough Road, Coalville, Leics.
 1953 Brasher, P. A. D., 24 Devon Avenue, Whitton, Middlesex.
 1975 Brazier, P., Langley House Trust, Rehabilitation Centre, Wing Grange, Leics.
 1963 -Breach, D. J., 29 Beaulieu Drive, Pinner, Middlesex.
 1939 -Bridge, S., 437 North Street, Greenwich, Connecticut, 06832, U.S.A.
 1962 -Bridgeman, P. T., N.D.H., 11 Lees Heights, Charlbury, Oxon., OX7 3EZ.
 1964 Bridgeman, P. H., N.D.H., N.D.Arb., "Little Rosings," Wood Street, Ash Vale, Aldershot, Hants.
 1960 Briggs, Miss B. (See Mrs. Cole).
 1961 -Briscoe, G. E. D., 52 Anreith Street, Roosevelt Park, Johannesburg, S.A.
 1963 -Brooks, P. S., 21 Newtown, Codicote, Hitchin, Herts.
 1930 Brown, A. J., S., Parks and Cemeteries, The Lodge, Wigston Cemetery, Leics.
 1950 Brown, D. A., F.Inst.P.R.A.(Dip.), N.Y. Bot. Gdn., Bronx Park, New York.
 1903 *Brown, E., "Chez Nous," Grove Road, Cranleigh, Surrey.
 1943 *Brown, G. B., "Grasscroft," 98 The Avenue, Gosport, Hants.
 1977 -Brown, G. E., 4 Lane Head Close, Moor Lane, Croyde Bay, Nr. Braunton, North Devon.
 1959 Brown, J., 4 Bignor Street, Cheetham, Manchester, 8.
 1926 -Brown, Jas., S., 7 Rupert Drive, Newport, Gwent, NPT 3HN.
 1950 -Brown, L. R., Dept.P.S., 33 Parkland Grove, Ashford, Middlesex.
 1946 -Brown, R. M. S., 5 Walton Road, Tonbridge, Kent TN10 4EE.
 1928 *Bruins-Lich, H., 231 Main Street, Waterkloof, Pretoria, Transvaal, Rep. of S.A.
 1970 -Bruty, H., B.E.M., A.H.R.H.S., 23 Dagmar Road, Kingston, Surrey.
 1938 -Buckley, A. R. T., 12 Parthia Avenue, Ottawa, Ontario K2E 5J9, Canada.
 1947 Buller, Miss A. G. (See Mrs. Denys).
 1968 -Bullock, A. A., B.Sc., F.L.S., Highlands Cottage, Poughill, Nr. Crediton, Devon.
 1945 *Bundy, E. F., 62 Combemartin Road, Southfields, London, S.W.18.
 1945 Bundy, Mrs. (Scott), ditto.
 1921 Burfoot, C., H.G., Buckhurst Park, Withyam, Tunbridge Wells, Kent.
 1972 -Burgess, A. G., Oak Ferns, Longstock Park, Stockbridge, Hampshire.
 1964 Burlingham, Miss K. M. (See Mrs. Dodge).
 1954 -Burras, J. K., N.D.H., Superintendent's Cottage, Botanic Garden, Rose Lane, Oxford.
 1922 *Burrell, Miss L. C. (See Mrs. S. T. Lees).
 1951 *Burt, B. L., B.Sc., F.L.S., Royal Botanic Gardens, Edinburgh.
 1949 -Bury, W., Parks Superintendent, Piel View, Public Park, Barrow-in-Furness, Lancashire.
 1921 *Butcher, H. G., 11 Bridle Road, Epsom, Surrey, KT17 4EP.
 1955 Butcher, I. A.
 1922 Butler, P. J., Bedford College, Regents Park, N.W.1.
 1919 *Bysouth, Mrs. R. A. (Davies), Doctor Cooke Nursing Home, Box 1007, Lloydminster, Alberta, Canada.
 1953 Cameron, J. D., Horticulturist, Parks Dept., East London, South Africa.
 1912 *Cannon, H. A., Uganda Coffee and Rubber Estates Ltd., Kampala, P.O. 53, Uganda.
 1953 Carn, L., N.D.H., 6 Ixworth Road, Troston, Nr. Bury St. Edmunds, Suffolk.
 1930 *Carr, G. E., 51 August Avenue, Scarborough, Ontario M1L 3M8, Canada.
 1947 Carr, O., 35 Park Terrace, Dunston-on-Tyne, Gateshead, 11, Co. Durham.
 1971 -Carrick, J. I., Moon Crescent, Highbury, South Australia, 5089 Australia.
 1953 Carson, S. A., 3 Drury Lane, Weston, Canada.
 1959 -Carter, B., N.D.H., 4 Ash Drive, Thornton-Cleveleys, Lancs. FY5 4DF.
 1953 Castree, F., 120 Nether Street, West Finchley, N.2.
 1958 Catchpole, P. A., Glenwood, 284 Cowley Road, Uxbridge, Middlesex.
 1970 -Catling, D. M., 1 Wisley Court, Sanderstead Road, Sanderstead, Surrey.
 1961 -Caton, Miss R. A., Hill Farm, Farnham, Nr. Bishops Stortford, Herts.
 1929 *Catt, G. A., 21 Felton Street, Amelia Heights, Balcatta, 6021, West Australia.
 1923 *Cavanagh, A. A., 5 Tehidy Road, Camborne, Cornwall.
 1922 Chambers, Mrs. K. (Watson), Bines Common, Partridge Green, Horsham, Sussex.
 1919 *Chandler, P., 205 Reading Road, Wokingham, Berks.
 Chandler, W., 9 Talbot Street, Hertford, Herts.

- 1939 -Chantler, E., 27 The Ridgeway, Fleetwood, FY7 8AH, Lancs.
 1955 Chapman, J., c/o Dept. of Agriculture, Nairobi, Kenya.
 1929 *Cheek, A. J. W., 19 St. Luke's Road, Maidenhead, Berks.
 1938 *Cherry, C. E., L.B. Sutton Technical Services Dept., 24 Denmark Road, Carshalton, Surrey SM5 2JG.
 1938 Chevalier, M. M., 5 Rue Beaugrenelle, Paris, 15me, France.
 1911 Child, H. V., Kew Convent, Kew, Victoria, Australia.
 1970 Childs, A. P., N.D.H., 11 Provost's Walk, Monsfieth, Dundee.
 1946 -Christopher, Mrs. F. (Allen, B.), Boro Farm, Tresco, Isles of Scilly, Cornwall.
 1961 -Chuter, R., 42 Longbeech Road, Chesterton, Cambs.
 1957 -Claiden, R. J. T., 78 Graham Avenue, Patcham, Brighton.
 1955 Clark, D. V., Brookside Nursery, Ware Road, Wormley, Herts.
 Clark, Miss Frances, Norwood, Baileys Drove, Wool, Dorset.
 1946 -Clark, J., D.I.P.A., S. Parks, Dover Parks Dept., Kent.
 1948 *Clark, Mrs. J., N.D.H. (Miss Eperon), ditto.
 1932 *Clarke, F., N.D.H., 69 Horringer Road, Bury St. Edmunds, Suffolk.
 1933 *Clarke, T. R., Plumpton Nurseries Ltd., Sussex.
 1957 Cleet, A. T., P.O. Box 2824, Johannesburg, South Africa.
 -Clemson, Mrs. A. L. M. (See Miss Atkinson).
 1958 -Clift, M., Flat 2, Sunningdale Nurseries, Windlesham, Surrey.
 1970 Clothier, P., Layve Oast, Snughorn Lane, Smarden, Kent.
 1930 Coales, T. D., 14 Board School Road, Woking, Surrey.
 1949 -Coates, C. F., 9 The Bank, Catterick, Richmond, Yorkshire.
 1933 *Cocker, H. R., A.H.R.H.S., Casella Postale 5, Noventa di Piave, Prov. di Venezia, Italy.
 1959 -Coghlan, R., Trevena, Holders, St. James Barbados, W. Indies.
 1971 -Cole, G., Lower Lodge, Cockington Lane, Cockington, Torquay, Devon.
 1960 -Cole, T. J., 2700 Priscilla Street, Ottawa, Ontario, Canada, K2B 7EZ.
 1960 Cole, Mrs. T. (Miss B. Briggs), ditto.
 1967 -Coleman, D., The Croft, Powmill, Dollar, By Clackmannanshire.
 1958 -Collett, M. J., 125 Mandeville Road, Enfield, Middlesex.
 1959 *Collin, H., Craig House, Ham Common, Richmond, Surrey.
 1939 *Collins, C. J., F.I.P.A., S., 42 Gainsborough Road, Colchester, Essex.
 1955 -Collins, G. E., N.D.H., Sronduhb, Poolewe, Achmarheen, Ross-shire.
 -Colson, Miss R., N.D.H., 29 Hayes Road, Midsomer Norton, Bath, BA3 2QJ.
 1955 -Comber, J. B., Djl. Hang Djabat 3, P.O. Box 301, Medan, Sumatra, Indonesia.
 1935 -Commeau, J., 28 Avenue de Mendiguren, 06000, Nice, France.
 1923 † Conn, P. W. H., M.Sc., P.P.Inst.P.R.A., A.H.R.H.S., The Bridge, Surrey Road, Seaford, Sussex.
 1949 *Constable, F., Parks, Cem. and Allotments Dept., The Council House, Corporation Street, Derby.
 1921 *Cook, F. J., S., 16 Seventh Avenue, Walmer, Port Elizabeth, South Africa.
 1962 -Cook, G. A., 209 Portland Street, Ashton-under-Lyne, Lancs.
 1945 *Cook, G. G., M.B.E., "The Conifers," Wright's Hall, Woolston, Southampton, SO2 9HN.
 1929 *Cook, L., 31 Cardigan Crescent, Milton, We-ton-super-Mare, Somerset.
 1915 *Coombes, G., P.O. Box 1808, Thousand Oaks, California, 91360, U.S.A.
 1944 Cooper, Miss B. (See Mrs. C. F. Jackson).
 1925 *Cooper, E. C. W., "Jescot," Shripney Road, Bognor Regis, West Sussex.
 1935 *Corkhill, W. J., Waen Rodyn Nurseries, Bodfari, Denbigh, Denbighshire.
 1935 Cossam, H. A., 1 Marble Hill House Drive, Evesham Rd., Pittville, Cheltenham.
 1932 Cousin, G. J. D., Dept. of Agric., Lapsi Street, St. Julians, Malta.
 1924 -Coventry, T., 210 Towcester Road, Northampton.
 1923 *Coward, E. F., 77 Southwood Road, Rusthall, Tunbridge Wells, Kent.
 1932 *Coward, E. J. H., Major, A.H.R.H.S., "The Spinney," Ballarnard Road, Douglas, I.O.M.
 1945 Cowell, Miss M. C., B.Sc., N.D.H. (See Mrs. Smith).
 1968 Cowley, R. C., 1 Holmesdale Road, Kew, Richmond, Surrey.
 1949 Cox, H., 38 Allen Road, N.E. Atlanta, 5, Georgia, U.S.A.
 1971 -Cox, J. P., 50 Forrest Road, Kew, Surrey.
 1920 *Craig, Mrs. A. P., The Hall, Headcorn, Kent.
 1973 -Craig, J. R., 93 Rowley Avenue, Sidcup, Kent.
 1940 *Cramer, Johannes D. W., 395 Zephyr Street, Denver, 26, Colorado, U.S.A.

- 1940 Cramer, Mrs. (B. N. Shepherd), ditto.
 1944 *Cranfield, Mrs. I. E. (Miss Bolton), 30 Bramley Way, West Wickham, Kent.
 1946 Cropley, R., Plant Pathology Section, East Malling Research Stn., East Malling, Maidstone, Kent.
- 1955 -Crowder, G., Supt., Walton Hall Gardens, Higher Walton, Nr. Warrington, Lancs.
 1968 -Cudd, M. R., 130 Beverley Way South, Raynes Park, London, S.W.20.
 1972 -Cumming, D., City Parks Authority, Dept. of A.C.T., Canberra, Australia.
 1938 (Curry, T. G., 40 The Drive, Barking Essex.
 1956 *Curtis, E. W., S.D.H., Curator's House, Botanic Gardens, Glasgow, W.2.
- 1955 Dahampath, U. M. P., C., University Park, Peradeniya, Ceylon.
 1954 Dalgeish, J., The Flat, Sudley, Mossley Hill Road, Liverpool, 18.
 1953 Dally, H. R., Guernsey Plants Ltd., Guernsey, C.I.
 1918 *Danes, Mrs. V. M. (Bell), 5 Lime Close, Burgh-le-Marsh, Skegness, Lincolnshire.
 1960 Darbyshire, P. J., 17 Vernon Place, Canterbury, Kent.
 1965 -Davenport, R., 18 Thornes Road, Thornes Park Nursery, Thornes, Wakefield, Yorks.
- 1947 Davenport, W., Court Lees School, Godstone, Surrey.
 1967 -Davidge, R., Palavas, Hatch Close, Addlestone, Weybridge, Surrey.
 1941 Davidson, Miss I. M., 37 Westmorland Road, Sale, Cheshire M33 3QX.
 1938 *Davies, H. F., C., Ewanrigg Nat. Park, c/o Nat. Park Board, Salisbury, Rhodesia.
 1940 -Davies, P. W. C., S. of Parks, 20/22 St. George's Chambers, Merrial Street, Newcastle-under-Lyme, Staffordshire.
- 1919 Davies, Miss R. A. (See Mrs. Bysouth).
 1951 -Davies, R. S., Hawthorn Nursery, Lower Common, Longden, Nr. Shrewsbury.
 1931 Davis, H. T., 119 Talbot Hill, Brislington, Bristol 4.
 1922 *Davis, Mrs. (Miss O. Rudolph), 3 Dean Road, Cricklewood, London, N.W.
 1974 -Dawes, M. J., 3 Oak Lodge, 18 Oakhill Road, London, S.W.15.
 1944 *Dawson, D., 50 Blandford Avenue, Oxford.
 1948 -Dayson, F. G., 34 Forest Row, Roebuck, Stevenage, Herts.
 1937 Dean, G., D. of Parks and Res., Auckland City Council, Private Bag, Auckland, New Zealand.
- Dean, H. A., Stonehouse Farm, Greenmount Lane, Bolton, Lancs.
 1958 Dean, P. J., 7 Lower Park Terrace, Pontypool, Monmouthshire, S.W.
 1936 *Dean, R. E., Regional Grounds Maintenance Officer, Reg.H.Q., Dept. of Env., Lawnswood, Leeds, 17.
- 1964 -Deans, R. F., 4 Church Road, Silsoe, Nr. Bedford, Beds.
 1960 -Deans, T., N.D.H., Reaseheath, Nantwich, Cheshire, CW5 6DF.
 1938 De Clerq, L., Rue de Gand, 227 Mont St. Amand-Gand, Belgium.
 1964 Dennis, Miss M. J. (See Mrs. Griffin).
 1947 -Denys, Mrs. A. G. (Buller), Watlle Cop, Blackden, Goostrey, Cheshire.
 1960 Derrick, A. F., 20 Tern Gardens, Cranham, Upminster, Essex.
 1975 -Derrick, N., 111 Demesne Road, Wallington, Surrey.
 1924 De Troyer, Ch. L., D., Grand Etablissement Horticole de Wolverthem, Les Bruxelles, Belgium.
- 1954 -De Winter, Dr. B., Bot. Res. Inst., Private Bag x101, Pretoria, South Africa.
 1960 -De Wolf, Dr. G. P., B.Sc., Ph.D., c/o Arnold Arboretum, Cambridge, Mass U.S.A.
- 1975 -Dick, M., Technical Officer, Parks Dept., 17 King Street, Dundee, Scotland.
 1960 -Dixon, A. G., 43 Plough Lane, Wallington, Surrey SM6 8JW.
 1909 Dixon, J., c/o Messrs. Bees, Sealand Nurseries, Chester.
 1964 Diedrick, V., Royal Botanic Gardens, Hope, Kingston, 6, Jamaica.
 1946 Dimes, Mrs. D. M., 48 Blake Avenue, New Malden, Surrey.
 1961 -Dodds, B., Quality Farm, RR3, King, Ontario, Canada.
 1964 -Dodge, M. H., Hilltop Road, Deer Island, Lakeside, Connecticut 06758, U.S.A.
 1964 Dodge, Mrs. K. M. (Miss K. Burlingham), ditto.
 1954 Donaldson, C., 1 Northfield Cottages, Univ. Field Stn., Wytham, Nr. Oxford.
 1931 Donnelly, E. J., The Canons Lodge, Madeira Road, Mitcham, Surrey.
 1934 *Douglas, J., S., F.Inst.P.R.A., 52 Haining Road, Renfrew.
 1935 *Downes, W. F., 23 Smiths Road, South Park, Reigate, Surrey RH2 8HJ.
 1945 Drewitt, C. E., 5 John Gay Road, Barnstaple, North Devon.
 1944 Drive, Miss M. M. (See Mrs. M. J. Cross).
 1926 Drummond, R. A., P.O. Box 8100, Causeway, Rhodesia.
 1928 Duke, Miss M. M. (See Mrs. Wallace).

- 1935 *Dumke, G. P. W., Berlin B.G., Berlin-Dahlem, Germany.
 1957 -Dumont, T., 15 rui ch. de Tornaco, Cent, Luxembourg.
 1953 -Dunball, A. P., 54 King's Court South, Chelsea Manor Gardens, S.W.3.
 1953 -Duncan, C. A. A., P.O. Box 854, Grand Cayman Island, Brit. West Indies.
 1958 Dunk, Miss A. D. (See Mrs. Sceats)
 1957 Dunn, P. G., Dep. P. Supt., Llandudno, 10 Tan-y-Berllan, Deganwy, Caerns.
 1970 Dunwood, P. W., 84 Greenfields Avenue, Appleton, Warrington, Lancs.
 Durrand, A. M., c/o Town Engineer, P.O. Box 70, Kitwe, Zambia.
 1939 Dusing, G., Sansouci B. G., Potsdam, Germany.
 1968 -Dyall, S. W., 80 Woking Road, Cheadle Hulme, Cheadle, Cheshire.
 1934 *Dyer, R. A., D.Sc., Bot. Res. Inst., Private Bag x101, Pretoria, South Africa.
 1961 -Dyke, D., Rough Lodge, Nuneham Park, Nuneham, Courtney, Oxon.
 1973 Dykes, G., c/o Dyffryn Gardens, St. Nicholas, Cardiff, Wales.
 1912 Eady, G. H., "Aburi," Clyffe, Dorchester, Dorset.
 1945 *Eady, Miss M. C., Claydon House, Buckingham, Bucks.
 1946 *Eaton, H. J., N.D.H., Director, Rosewarne Experimental Station, Cornwall.
 1972 Eccleston, K.,
 1948 -Edwards, D. G., D.F.C., Sundance, Yapton Road, Barnham, Bognor Regis, Sx.
 1966 Edwards, R. K., 64 Erpingham Road, Putney, London, S.W.15.
 1947 *Edwards, T. H., 190 Seaview Road, New Plymouth, Taranaki, New Zealand.
 1951 Egerton, J. A., 6 London Road, Holmes Chapel, Crewe, Cheshire.
 1936 Eickhorst, M., Rangsdorf, c/Berlin, Seebhdallee, Telteus, Germany.
 1955 Ekanayaka, D. T., B.Sc.(Hons.), B.G., Peradeniya, Ceylon.
 1919 *Ellis, Miss C. F. (Mrs. Somers)
 1934 Elphick, G., Myrtle Cottage, Ide Hill, Sevenoaks, Kent.
 1964 -Elsley, J. E., B.Sc., Missouri Botanical Garden, 2315 Tower Grove Avenue, St. Louis, Missouri, U.S.A.
 1956 -Elton, T., 114 Moreton Road, Bushbury, Wolverhampton, MV10 8LB.
 1972 Emerton, J.,
 1966 -Endall, J.,
 1912 *Endres, H. W., 10140 Fieldcrest Lane, Ladve, St. Louis, 24, Missouri, U.S.A.
 1928 England, J. W., S., Parks Dept., Merthyr Tydfil, Wales.
 1932 *English, R. J., 279 Stockingstone Road, Luton, Beds.
 1948 *Eperon, Miss K., N.D.H. (See Mrs. J. Clark).
 Ercoli, Mario, Via—Girolamo Rossi, 27, Bordighera, Italy.
 1969 -Esmonde, A. J. G., Chambre 880, Trepode C, Cite Université de Ranaiel, 118 Rte de Narbonne, 30177 Toulouse, France.
 1939 Eugenio, Lagorio, Corso Monte Carlo, 33 La Mortola, Ventimiglia, France.
 1935 *Eul, F. H., N.D.H., F.Inst.P.R.A.(Dip.), P.P.Inst.P.R.A., 1 The Moors Drive, Middleton Cheney, Banbury, Oxon.
 1962 -Evans, D. T., 13 Sefton Road, Hoole, Chester.
 1938 Evans, H. R., P.O. Box 100, Molo, Kenya.
 1947 Evans, Mrs. L., Pitt Farm, Harberton Ford, Nr. Totnes, South Devon.
 1952 -Evans, K., N.D.H., Undergraduate School of Applied Biology, Univ. of Bradford, Great Horton Road, Bradford, 7.
 1964 -Evans, M., 19 Gatton Street, Farrer, A.C.T., 2607, Australia.
 1945 *Evans, Miss M. J. B. (See Mrs. J. A. Letch).
 1969 Evemy, D. G., 4 Browning Avenue, Hanwell, Ealing.
 1974 Everett, P., P.O. Box 1, Tinana 4650, Queensland, Australia.
 1927 †Everett, T. H., M.Sc., N.D.H., New York B.G., Bronx Park, N.C., U.S.A.
 1971 -Everett, Mrs. E. J., 2 Craneford Close, Twickenham, Middlesex, TW2 7SD.
 1928 *Everitt, W., 1 Mayfair, Ganteaume Crescent, East London, S.A.
 1937 *Ewart, J. W., Myers Road, Otumatai, Tauranga, New Zealand.
 1932 *Farley, G. C., 5 Harringay Gardens, London, N.8.
 1928 -Farmer, J. E., S., 17 Millstream Gardens, Wannock, Polegate, Sussex.
 1923 -Farr, B.,
 1953 -Farrar, T. H., 39 Fielden Close, Ducklington, Witney, Oxfordshire.
 1975 -Faure, J., Forêt Noire, Mahé, Seychelles.
 1967 -Fay, M. E., "Twenty," Market Street, Llangollen, Denbighshire, North Wales.
 1963 -Fellows, K. M., 172 Ayres Road, Old Trafford, Manchester, 16.
 1970 Fenwick, E., 54 Haven Avenue, Grimsby, Lincs.
 1929 *Findlay, R. (Capt.), The Ship, Bryn-y-Baal, Mold, Flintshire.
 1939 -Fisher, F. W., 2 Hooper Avenue, Bath Road, Wells, Somerset, BA5 3NA.

- 1965 Fisher, J. H., N.D.H., Braughton Road, Crosland Moor, Huddersfield.
 1937 Fisher, J. M., S., Hampton Court, East Molesey, Surrey.
 1957 Fleming, J. F., 177 Brighton Road, Derby.
 1915 †*Flippance, F., F.L.S., The Heaths, Station Road, Haslemere, Surrey, GU27 2PD.
 1928 *Floto, E. V., Brovaenget 11, 2700 Bronshoj, Denmark.
 1958 Floyer, Miss R. A., now Mrs. R. A. Nicholson, P.O. Box 3, Mbulu, Tanzania.
 1924 Flynn, G. O., Bede Home, College Grove Road, Wakefield, Yorks.
 1949 -Foat, C. D., Knutsford, Gt. Barton, Bury St. Edmunds, Suffolk.
 1961 Foote, L. A., 24 Downs Road, Beckenham, Kent.
 1945 -Ford, F. J., S., 23 Louise Close, Great Yarmouth, Norfolk.
 1927 *Ford, G. W. J., Box 56, Mendenhall, Penna, 19357, U.S.A.
 1937 *Fordham, A. J., A.S., "Gay Farm," Norwood, Mass., U.S.A.
 1957 -Forster, R. R. C., 3464 West 39th Avenue, Vancouver, British Columbia,
 V6N 3A2, Canada.
 1936 *Fossum, M. Truman, Suite 420, 818-18th Street, N.W., Washington D.C.,
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 1957 -Forster, R. R. C., 2832 West 31st Ave., Vancouver, British Columbia, Canada.
 1940 Foste, L. J., Dial Cottage, 3 The Grove, Epsom, Surrey.
 1975 -Fountain, S., St. Mawes, Hern Hill, Chalfont St. Peter, Bucks.
 1975 -Fox, R., 87 St. Vincent's Close, Girton, Cambridge.
 1946 -Fraenkel, Miss E. R. (See Mrs. Gibson).
 1967 -Frankland, B. V., N.D.H., 6 Bollington Road, Oadby, Leics.
 1936 -Freeman, G. W. G., N.D.H., 2 Benton House Cottages, Heath House Road,
 Worplesdon Hill, Woking, Surrey.
 1926 *Fry, W. G., N.D.H., N.A.A.S., 70 Catisfield Road, Fareham, Hants.
 1956 Fugard, R. L., c/o Parks Dept., St. George Park, Port Elizabeth, South Africa.
 1918 Fuller, Miss E. (See Mrs. P. Snelling).
 1953 -Fuller, G. M., 25 Victoria Road, New Plymouth, New Zealand.
 1938 Fysh, P., 8 The Goffs, Eastbourne, Sussex.
 1962 Gabe, M., 44 The Pines, Whitehall Road, Woodford Green, Essex.
 1963 -Gaggini, J. B., N.D.H., Tuliptree House, Dybdale Crescent, Wellingborough,
 Northants.
 1932 Gale, E. W. B., N.D.H., S. of Parks, Poole, Dorset.
 1952 -Galloway, I. D., A.H.R.N.Z., Director of Parks and Reserves, P.O. Box 2199,
 Wellington, New Zealand.
 1907 Gammon, F. G., 30 Beechcroft Road, Oxford.
 1961 Ganney, G., N.D.H., Brickendonbury House, Hertford, Herts.
 1912 Gardner, G. F., University Gardens, Bristol.
 1953 Garnett, J. B., 38 Princess Street, Woodlands, Doncaster, Yorks.
 1947 -Garwood, T., 188 Campkin Road, North Arbury, Cambs.
 1967 Gaskin, G. M., Landscape Architect, Wyre Forest Local Authority, Lancs.
 1949 Gates, F., 12 Rose Hill, St. Blazey, Par, Cornwall.
 1964 Gatrell, Mrs. L. (Miss Tickner), 3 Precinct Road, Hayes, Middlesex.
 1961 -Geddes, A., Mc., Dip. Hort., Landscape Consultant Co., Greys Avenue, Auck-
 land 1, New Zealand.
 1969 -George, A. S., Aust.Herb., Dept. of Aust., Jarrah Road, South Perth, Western
 Australia, 6151.
 1953 -Gibbons, J. E., 56 Warrington Road, Leigh, Lancs., WN7 3EB.
 1961 -Gibbons, L., ditto.
 1946 -Gibson, Mrs. (Miss E. R. Fraenkel), 2421 25A Street, S.W. Calgary 4, Alberta,
 Canada.
 1972 Gilbert, T. E., Sandford House, Springfield Road, Swindon, Wilts.
 1962 -Giles, C. J., 25 Reginald Road, Southsea, Hants., PO4 9HL.
 1960 -Gilkison, D. S., c/o Parks Dept., Civic Centre, Scunthorpe, Lincs.
 1923 Gill, B., Gills Nurseries, Penryn, Cornwall.
 1946 †-Gilmour, J. S. L., M.A., F.L.S., V.M.H., 5 St. Eligius Street, Cambridge.
 1952 -Gilmour, W. N. G., N.D.H., F.Inst.P.R.A.(Dip.), Chief Officer for Recreation,
 Culture and Health, South Yorks. County Council, Barnsley.
 1935 -Glasheen, J. L., Abbots, Sulhamstead Abbots, Nr. Reading, Berks.
 1950 Glazebrook, A. K., 106 Coldershaw Road, Ealing, W.13.
 1937 *Goldsack, F. G. A., N.D.H., Greystones, Leigh, Sherborne, Dorset.
 1931 Goldsmith, J. E., 12 Cranwick Hall, Lincoln.
 1956 -Goodale, A. E. R., 64 Lashbrooks Rd., Rocks Park, Uckfield, Sussex TN22 2AY.

- 1965 -Goodall, Lt., J.P., R.N., 6 Compton Road, North End, Portsmouth, PO2 0SS, Hants.
- 1969 -Goodbury, P. A., 3 The Green, Roseheath, Nantwich, Cheshire.
- 1964 -Gooding, P. A., Old Mill Nurseries, Stamford in the Vale, Farringdon, Oxon.
- 1969 Goodyear, S. A., Parks Dept., City Engineers and Surveyors Office, 7 Southernhay West, Exeter.
- 1932 Gordon, J. D., c/o Elder Park, Glasgow.
- 1975 -Gornall, B., 28 Vista Drive, Redbridge, Ilford, Essex.
- 1910 *Gould, A. R., 663 Kingsley, Palo Alto, California, 94303, U.S.A.
- 1968 -Graham, G. N. F., Sharondale, Bryntirion Road, Bagillt, Clwyd CH6 6BZ, Wales.
- 1967 -Graham, G. N., F.Inst.P.R.A.(Dip.), "Sharondale," Bryntirion Road, Bagillt, Clwyd, CH6 6BZ.
- 1968 Graham, Mrs. G. N. (née Miss M. Jones).
- *Grant, E. A., The Lodge, Baylis Park, 45 Woodlands Avenue, Slough, Bucks.
- 1928 *Grant, J. G., 77 Tristram Drive, Creech St. Michael, Taunton, Somerset.
- 1948 Grant, J. M., A.H.R.H.S., Grayswood Hill, Haslemere, Surrey.
- 1897 Gray, P. J., Homeville, Ballymin Road, Glasnevin, Dublin.
- 1947 Greatrex, T. J., P.O. Box 660, Lusaka, Zambia.
- 1925 *Greenway, Dr. P. J., O.B.E., F.L.S., P.O. Box 20209, Nairobi, Kenya, E. Africa.
- 1963 -Griffin, M. J., 1 Pinfold Close, Woodingdean, Brighton, Sussex.
- 1964 Griffin, Mrs. M. J. (Miss Dennis), ditto.
- 1937 *Groves, G. R., O.B.E., A.H.R.H.S.. Botanical Gardens, P.O. Box 100, Hamilton, Bermuda.
- 1932 Gunn, A., The Lodge, Joubert Park, King George Street, Johannesburg, S. Africa.
- 1961 Gunn, W. A. G., Johannesburg Park Dept., P.O. Box 2824, Johannesburg, Transvaal, South Africa.
- 1899 Gutteridge, H. E., Perran Bay Hotel, Perranporth, Cornwall
- 1946 -Hack, H. R. B., Lane End Farm Cottage, Sheperds Green, Rotherfield Greys, Henley-on-Thames, Oxfordshire.
- 1975 Hacker, J., 45 Abbotsham Road, Bideford, Devon.
- 1954 -Halhead, J., 2(A) Rosehill Park, West Sutton, Surrey.
- 1931 Halik, R., Charles University, Prague, Czechoslovakia.
- 1933 -Hall, H., 26 Albertyn Street, 7200 Hermanus, South Africa.
- 1971 -Hallsworth, C. D., 257 Brentwood Road, Gidea Park, Romford, Essex.
- 1955 -Hamblett, N., 17 Waverley Road, Enfield, Middlesex.
- 1952 Hamblin, I. C., Area Office, D.O. Env., Colchester, Essex.
- 1896 Hammarberg, L. M., Gotgatan 111, Stockholm, Sweden.
- 1932 Hammarberg, O. M., Gotgatan, 111, Stockholm, Sweden.
- 1945 Hammond, Mrs. M., Myrtle Cottage, Castle Street, Porchester, Hants.
- 1936 Hampton, Miss N. (See Mrs. Beale).
- 1916 *Hansie, C. Bekker, c/o Société du Nadal, Quelimane, Mozambique.
- 1954 Hardie, R. M., c/o Burnley Horticultural College, Swan Street, Burnley, Victoria, Australia.
- 1935 Hardman, R. E., c/o Municipal Parks, Bulawayo, Rhodesia.
- 1933 -Harper, A. E., S., Westleigh, 10 Pembroke Gardens, Appleton Park, Warrington, Lancs.
- 1920 *Harper, Miss E. M. (See Mrs. Ash).
- 1919 *Harper, Miss K. M. (See Mrs. Bintner).
- 1964 -Harrington, M. D., Aldon, 55 Park Hill Road, Otford, Sevenoaks, Kent.
- 1949 Harrington, P., c/o Parks Office, Lampton Park, Lampton Road, Hounslow, Middlesex.
- 1962 -Harrison, R. T., N.D.H., 53 Kingsdown Avenue, South Croydon, CR2 6QJ.
- 1962 Harrison, S. G., B.Sc., Keeper, Dept. of Botany, National Museum of Wales, Cardiff.
- 1965 Harris, D. S., Blackpill Nurseries, Swansea, Glam.
- 1947 Harris, F. G., 4 Homelands Copse Cottages, Fernhurst, Nr. Haslemere, Surrey.
- 1958 -Hart, A., A.I.L.A., A.I.P.A.(Dip.), 15 Dean Hill Road, East Sheen, S.W.14.
- 1966 -Hart, C., 10 Surrey Street, Ryde, Isle of Wight.
- 1967 Hart, M., c/o Greenwich Parks Dept., Woolwich Town Hall, S.E.27.
- 1917 Hart, Miss R. (See Mrs. Jameson).
- 1951 Hart, Mrs. V. (Miss V. Hudson), 63 Exmouth Road, South Ruislip, Middlesex.
- 1956 -Harvey, T. D., Plovers Hill, Strumpshaw, Norwich, NOR 772.
- 1946 Haskell, Miss J., The Rectory, Stoke Rochford, Nr. Grantham, Lincs.

- 1973 -Hassan-King, Abdul R., 1 Orange Street, Fourah Bay, Freetown, Sierra Leone, W. Africa.
- 1923 Hawkins, F., Min. of Agriculture (Research Division), Dar-es-Salaam, Tanzania.
- 1925 *Hayes, T. R., M.Sc., A.I.T.C.A., c/o Limuru Girls' School, Private Bag, P.O. Limuru, Kenya.
- 1950 -Haywood, P. A., Cert.L.D.(U.C.L.), A.I.L.A., 5 Rowan Park, Quarry Lane, Christleton, Chester.
- 1939 Hazelwood, F. E., 15 Ray Road, Epping, New South Wales, Australia.
- 1968 Hebb, R. S., 1090 Centre Street, Jamaica Plain, Mass. 02130.
- 1968 Hebb, Mrs. W. P., ditto.
- 1947 *Hebden, F. J., N.D.H., F.I.P.R.A.(Dip.), M.B.E., Toreaves, The Highway, Luccombe Village, I.O.W.
- 1961 -Heine, H. H., Dr. Med., Dr. rer. nat., F.L.S., c/o Laboratoire de Phanérogamie du Museum National d'Histoire Naturelle, 16 rue Buffon, Paris (Ve), France.
- 1964 -Hellewell, J. D., 1 Nursery Lane, Harlow Hill, Harrogate, Yorks.
- 1948 *Helm, J. D., "Woodvale," 15 Llandudno Rd., Penrhyn Bay, Llandudno, Caerns.
- 1946 *Helmsing, Miss N. J. (See Mrs. Nelson).
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- 1928 Hendon, L. C., 8 Stringwalk, Hailsham, Sussex.
- 1960 -Henshaw, H., Crawley Lodge, Kings Park, Perth, 6005, W. Australia.
- 1972 -Herscovitch, A., P.O. Box 3287, Bat Yam, Israel.
- 1951 -Heughes, I. M., 6 Ockham Street, Lynwood, 6155, W. Australia.
- 1949 Hey, G. E. W., Imperial War Graves Comm., Ypres, Belgium.
- 1968 -Heywood, H. G., Dep. Pks. Supt., Cemetery Office, Manchester Road, Warrington, Lancs.
- 1954 Heyworth, J., 18 Market Place, Ramsbottom, Lancs.
- 1935 Hibbert, J. R. S., The Gardens, Gunnersbury Park, Acton, W.3.
- 1961 -Hickman, N. C., 101 Higham Lane, Nuneaton, Warwickshire.
- 1919 *Higgott, O. A., 108 Secor Road, Scarsdale, New York, U.S.A.
- 1963 -Higham, J. D., 30 Weston Crescent, Aldridge, Staffs., WS9 0HB.
- 1930 Hildyard, H. C., S., 304 Linthorpe Road, Middlesbrough, Yorks.
- 1961 Hill, B., D.I.P.A., 251 Wigton Road, Carlisle, Cumbria.
- 1929 Hillier, Miss C. (See Mrs. Whibley).
- 1971 -Hilton, C., 5a Colville House, London, W.11.
- 1948 -Himson, A., Buckland, Tasmania 7271, Australia.
- 1948 *Himson, Mrs. (Miss P. Weston), ditto.
- 1968 -Hindmarch, C., 22 Tavistock Close, Great Woodley Estate, Romsey, Hants.
- 1948 -Hingston, J. A., N.D.H., S., 139 Tadcaster Road, Dringhouses, York, YO2 2QJ.
- 1949 Hingston, Mrs. (Miss J. Sharps), ditto.
- 1960 -Hitchcock, A. G., CH Parks Department, Dunbar, Natal, South Africa.
- 1966 Hitchin, P. D. M., 6 West Side, Nunthorpe Village, Middlesbrough.
- 1955 -Hitt, S. D., 74 Locksbrook Road, Bath, Somerset.
- 1957 Hitt, Mrs. S. D. (Miss I. K. Bewley), ditto.
- 1925 Hockley, W. A., 19 Beresford Road, Chingford, Essex, E.4.
- 1975 -Hodge, V., 11 Abercain Road, Streatham, London, S.W.16.
- 1946 Holcroft, Mrs. N. B. (Miss N. B. Rymer), 84 Woodward Avenue, Brampton, Ontario, Canada.
- 1937 *Hogg, R. D., M.B.E., A.H.R.H.S., 30 Poole Close, Tilehurst, Reading, RG3 4LT.
- 1946 -Hollis, D. C., 11 Gay Street, Putney, S.W.15.
- 1930 *Holloway, H. M., P.O. Box 1454, Snr. Dist. S. of Parks, City Council, Pretoria, South Africa.
- 1969 Holloway, M., 4 Nocton Drive, Ermine Estate, Lincoln.
- 1962 -Holmes, D. H., 7 Chase Hill, Geddington, Kettering, Northants.
- 1973 -Holmes, R. G., Park House, Buckhold Road, Wandsworth, S.W.18.
- 1974 Holt, P., St. Gilbert's Boys' School, Hatlebury, Worcs.
- 1939 Holt, S., Britannia Nurseries, 34 Peddars Lane, Blackpool, Lancs.
- 1934 *Hoogstad, B. M. E., Silvergeiter, 130 Hart Nibbrigkade, Den Haag, Holland.
- 1934 *Hooper, E. G., 93 Mount Pleasant, Trevu Road, Camborne, Cornwall.
- 1956 Hopkins, Miss A. D. S., N.D.H., 18 Park Road, Radlett, Herts.
- 1975 -Hopper, E., "Reddings," Beech Hill, Headley, Hants.
- 1958 -Horsfall, H. R., 27 York Street, Edinburgh 1EH 3HP.

- 1928 -Horton, D. E., N.A.A.S., 38 Tytton Lane West, Boston, Lincs.
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 1951 Hudson, Miss V. (See Mrs. V. Hart).
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 1974 -Hutchings, D. J., Trelawny, The Gernicks, Newlyn, Penzance, Cornwall.
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 1966 -Ince, R., 29 Cherrytree Crescent, Walton, Wakefield, W. Yorks.
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 1948 Jackson, F. A., c/o Parks Dept., Southern Area, Stoke-on-Trent.
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 1937 Jefferiss, A., The University, Reading, Berks.
 1912 Jelinek, B., Institution "Svetla," Gross Meriritsh, Moravia, Czechoslovakia.
 1940 -Jenkin, J. P., Bridge Cottage, Blackpool, Dartmouth, Devon.
 1912 *Jennings, A. J., 120 Canoebrook Parkway, Summit, New Jersey, U.S.A.
 1942 -Jensen, Mrs. E. M., "Hillside," Dyreborg, 5600 Faaborg, Denmark.
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 1962 Jewell, A. L., A.M.A., F.L.S., C., Haslemere Educational Museum, Haslemere, Surrey.
 1912 Jirasek, H., Jardin des Plantes, Paris.
 1960 Jobsen, J., 119 Middenstede, The Hague, Netherlands.
 1949 -Johnson, G., West Lodge, Botanic Gardens, Glasgow G12 0UE.
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 1949 -Johnson, R., c/o Capuchin Tea Plantation, Capuchin Mission, Mendi, South Highlands, Papua, New Guinea.
 1960 Johnston, M. A., Pooh Corner, Shipston-on-Stow, Warwickshire.
 1937 Jollie, F. J. E., 114 Mountain Road, Epsom, Auckland, New Zealand.
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 1923 *Jones, C., 11 Meadow Way, Bilton, Harrogate, Yorkshire.
 1930 *Jones, C. H., Box 803, Christchurch, New Zealand.

- 1968 -Jones, C. W., 328 Dorset Avenue, Great Baddow, Chelmsford, Essex, CM2 8HD.
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 1956 Jones, J. H., Horticulturist, Dept. of Agric., Agric. Stn., Paget East, Bermuda.
 1959 -Jones, K. R., 52 Metcalf Road, Ashford, Middlesex.
 1968 -Jones, Miss M. (See Mrs. Graham).
 1959 -Jones, R., Box 240, Port Lincoln 5606, South Australia.
 1956 -Jordan, J. W., 35 Pine Grove, Maidstone, Kent.
 1922 *Joy, Mrs. A. E. C. (Warner), Cleeve Cottage, Brasted, Chart, Nr. Westerham, Kent.
 1937 *Joy, C. A., 1 Doyne Road, Branksome, Parkstone, Poole, Dorset.
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 1940 Judge, Miss B. H., Min. of Fuel & Power, Room 619, Westminster, 7, Millbank, S.W.1.
 1970 -Kachecheba, J. L., East African Agric. & Forestry Research Organisation, P.O. Box 30148, Nairobi, Kenya.
 1965 Karani, W. J., Tea Research Institute of E. Africa, P.O. Box 91, Karicho, Kenya.
 1967 -Keevil, A., 1 Station Cottage, Town Road, Rotherfield, Sussex TN6 3QS.
 1937 -Keith, R. H., 160 Centre St. West, Richmond Hill, Ontario, Canada.
 1926 Kemp, H. W., H.G., Queen Anne's School, Cavesham, Oxford.
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 1960 Kerr, J. M., N.D.Arb., 34 Hemper Lane, Sheffield, S8 7FD.
 1959 -Kerr, R. T., N.D.H., "Barrington," 12 Broadoak Lane, Bexhill-on-Sea, Sussex.
 1969 -Ketley, P. A., c/o Caneel Bay Plantation, Virgin Islands, St. Thomas, U.S. 0080.
 1964 -Kilby, P., The Flat, Hobblingwell Wood Rec. Ground, Leesons Way, St. Pauls Cray, Kent.
 1957 -Killick, Dr. D. J. B., Bot. Res. Inst., Private Bag x101, Pretoria, S.A.
 1943 King, Miss E. B. (See Mrs. E. B. Brabin-Smith).
 1966 Kingi, E. B., Municipal Council of Mombasa, P.O. Box 81861, Mombasa, Kenya, East Africa.
 1913 Klaaborg, H. J., Gartneriet Langdallund, Kolding, Denmark.
 1929 †*Knight, F. P., V.M.H., F.L.S., 88 Lower Guildford Road, Knaphill, Surrey.
 1943 *Knight, Miss K. M., Boundary Nurseries, Hillingdon Heath, Middlesex.
 1945 Knowlman, Miss B., Wayside, Wareham, Dorset.
 1936 Koopp, K. (20A) Jeinsen N.R., 42 Unber Elze, Hanover Land, Germany.
 1936 Koning, T. H., 57 Woltersweg, Fongelo (O), Holland.
 1929 Korn, W. M., Inst. of Bot., Eotanic Gardens, Leningrad, 22, U.S.S.R.
 1946 *Kruger, H. J., S., Duffryn Gardens, Glamorgan, Wales.
 Kuyama, Mr. and Mrs. A., 3-6-16 Kamikotoen, Nishinomiya, Hyogo, Japan.
 1938 Lagoria, E., La Mortola, Ventimiglia, Italy.
 1933 Lake, E., 36 Gledwood Crescent, Hayes, Middlesex.
 1941 -Laking, L., B.S.A., LL.D., P.Ag., Royal Eotanic Gardens, Box 399, Hamilton, Ontario, Canada.
 1941 Laking, Mrs. B. M. (Tarver), 1064 Unsworth Avenue, Burlington, Ontario.
 1936 Lancaster, A. P., S., Hort. Divn., P.W.D., New Delhi, India.
 1919 Landau, Miss M., Prejazd, 36, Lodz, Poland.
 1937 *Langham, H. G., N.D.H., F.L.S., Orchard Heights, Green Lane, Churt, Surrey.
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 -Launert, Dr. E., 15 Halford Road, Richmond, Surrey.
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 1924 †*Lawrence, W. J. C., O.B.E., V.M.H., F.Inst.Biol., 5 Rabling Road, Swanage, Dorset.
 1941 *Lawson, J., F.A.I.P.R., B.E.M., 38 Hoyle Street, Morwell, Victoria, Australia.
 1963 Leaver, G. J., 47 Castleview Road, Langley, Slough, Berks.
 1969 -Lee, Miss J. (See Mrs. Tuck).
 1922 *Lees, Mrs. S. T. (Burrell), Woodmans, Burwash, Sussex.
 1950 Lees, S., Registrar, Hollinwood Cemetery, Oldham, Lancs.
 1933 -Leigh, D. H., S., Parks and Reserves, Nelson, New Zealand.
 1967 -Leistner, O. A., Dr., Bot. Res. Inst., Private Bag x101, Pretoria, S.A.
 1937 *Leith, G. J., Flat 1, The Library, Rose Hill, Hampton, Middlesex.
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 1945 *Letch, Mrs. A. J. (Evans), The Old School, Bradwell, Nr. Baintree, Essex.
 1941 *Lewis, J., N.D.H.(N.Z.), 156 Guppy Road, Taradale, Napier, New Zealand.
 1957 *Lewis, J., B.Sc., F.L.S., 23 The Avenue, Kew Gardens, Richmond, Surrey.

- 1964 -Lewis, W., 69 Somerford Road, Parkfield Estate, Broughton, Chester, CH4 0SY.
 1948 Liebich, Mrs. I. (Rzadkowska), 3465 Cole des Neiges, Apt. 41, Montreal, Canada.
- 1948 -Lingard, H. M., H.G., Ashridge College, Berkhamsted, Herts.
 1962 Linnegar, S., 1 New Road, Ruscombe, Twyford, Berks.
 1948 -Lockley, R. E., 20 Heather Close, Thurston, Nr. Bury St. Edmunds, Suffolk.
 1952 -Littlewood, G., 177 Chesterfield Road, Matlock, Derbyshire.
 1930 Lorensi, O., La Mortola, Ventimiglia, Italy.
 1940 *Lothian, T. R. N., O.B.E., N.D.H.(N.Z.), D., B.G., Adelaide, 5000-S. Australia, South Australia.
- 1948 Lovatt, D. W., 74 Norway Drive, Slough, Bucks.
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 1961 -Lowe, B. E., N.D.H., A.I.P.A., 61 Ongar Road, Writtle, Nr. Chelmsford, Essex.
 1961 -Low, J. J. D., 11 May Avenue, Napier, New Zealand.
 1964 Low, Mrs. S. K. (Miss S. K. Walton), ditto.
 1955 Lucas, J. A., Efford Experimental Stn., Lymington, Hants.
 1925 Luff, C. E. E., c/o Westonbirt Arboretum, Nr. Tetbury, Glos.
 1960 -Lycett, K. M., 65 Rochester Drive, Westcliff-on-Sea, Essex.
 1966 -Lycett, R. E., 86 Hall Street, Cambridge, New Zealand.
- 1963 MacArthur, A. D., 18 Belvedere Street, Epsom, Auckland, New Zealand.
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 1942 -Mackinnon, F. H., 74 Grantham Road, London, S.W.9.
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 1957 -McCracken, J. S., 69 Somerville Way, Prebendal Farm Estate, Oxford Road, Aylesbury, Bucks.
- 1944 *McCulloch, Mrs. E. (Thompson), 117 Edgworth David Avenue, Gwahroonda, N.S.W., Australia.
 1960 -McDowell, C. I., N.D.H.(N.Z.), 35 Fitzroy Road, New Plymouth, Taranaki, New Zealand.
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 1951 -McGuffog, D. S., Chief Rec. Officer, Tunbridge Wells, B. Council Town Hall, Tunbridge Wells, Kent.
- 1935 McKenzie, W. W., F.I.P.A., J.P., 12 Mitchell Street, Kilmarnock, Ayrshire.
 1952 McLachlan, D. D., "Kanturk," Brant Road, Lincoln.
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 1966 -McLaughlin, O. D., "Landmark," Jenningsland, Smith Parish, Bermuda.
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 1924 *McPherson, J. A., N.D.H.(N.Z.), S. of Parks, Auckland, New Zealand.
 1919 *Madan, Miss H. P. (See Mrs. Wood).
- 1963 -Maddox, J. A., 12 Barnard Gardens, Hayes, Middlesex.
 1971 Maguire, D., 2 Larpent Street, Putney, London, SW15 6UP.
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 1970 -Marchant, C. D., Ph.D., 3071 West 28th Avenue, Vancouver, 8, British Columbia, Canada.
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 1958 Marshall, W., S., 47 Sandwich Road, St. Neots, Hunts.
 1974 -Marsland, A. B., 4 Caledonian Mansions, Great West Road, (7 Otago St.), Glasgow, W.2.
- 1942 *Martin, Mrs. C. O., B.Sc., Hort., J.P. (Miss C. O. Bell), 55 Old Castle Road, Weymouth.
 1919 *Mash, Miss J. (See Mrs. Flack).
 1922 -Mason, R. E., 12 Swail House, Ashley Road, Epsom, Surrey.
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 1962 -Matthews, T., F.L.S., F.Inst.P.R.A.(Dip.), M.Inst.B.C.A., J.P., Council Offices, Blaydon-on-Tyne, Co. Durham.

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- 1935 May, J. E., Park Lodge, South Park, Ilford, Essex.
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- 1948 -Medcalf, J. G., N.D.H., D.I.P.A., Holly Lodge, 165 Hill Lane, Southampton, Hants.
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- 1950 -Melles, A. M., 8 Church Street, Madeley, Dawley, Shropshire.
- 1952 -Mellors, G., 13 St. George Street, Hanover Square, London, W.1.
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- 1969 -Metcalfe, Dr. C. R., O.B.E., M.A., Ph.D., F.I.Biol., 35 Pensford Avenue, Kew, Richmond, Surrey.
- 1946 -Middleton, J., 20 Belton Gardens, Leigh-on-Sea, Essex.
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- 1942 -Milburn, Miss P. M. K. (See Mrs. F. Brooks Purchas).
- 1916 Miles, Sergt. S. H., Hill House, Little London, Buryingstoke, Hants.
- 1957 Millard, R., Aylesbury College for Further Education, Hampden Hall, Stoke Mandeville, Bucks.
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- 1945 Miller, Miss E. M., Periton Farm House, Muirhead, Som.
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- 1930 Moore, R. E., Municipal B.G., Cape Town, South Africa.
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- 1946 Morrissey, Miss S., B.Sc., Ph.D., D.C.C., 7 Ashburnham Road, Chelsea, S.W.10.
- 1946 -Moss-Holland, Miss E. (See Mrs. E. M. Wakefield).
- Calkins, Mrs. H., Acquisitions Library, Morton Arboretum, Lisle, Illinois, U.S.A.
- 1935 Mottier, P., Avenue Leopold-Robert 83, La-Chaux-de-Fonds, Switzerland.
- 1937 -Mowforth, B., New House, Rodbaston, Penkridge, Stafford.
- 1973 Mugford, A. J., 14 Richmond Drive, Rayleigh, Essex.
- 1956 Müller, T. C., Univ. of Salisbury, Salisbury, Rhodesia.
- 1934 -Mullins, A. T., Gardener's Cottage, Pembroke Lodge, Richmond Park, Richmond, Surrey TW10 5HX.
- Murden, J. A., 38 Cardigan Drive, Bury, Lancs.
- 1954 Murden, R., Miniver Crescent, Aspley E.S., Nottingham.
- 1904 Murphy, J., H.G., Huntingdon Castle, Clonegal, Co. Wexford, Eire.
- 1966 Mwangi, J., City Parks Dept., P.O. Box 30075, Nairobi, Kenya.
- 1967 -Nash, B. A., N.D.H., The Stable Flats, Petersfield Road, Havant, Portsmouth, Hants.
- 1902 *Navel, H. D., Jardin Botanique, Metz, France.
- 1951 -Naylor, G. T., Whitehouse, Hydraseeders Ltd., Coxbench, Derby, DE2 5BH.
- 1967 -Nau, Miss J. (See Mrs. Scarr).
- 1957 -Neighbour, E. C., 3 Birchside Avenue, Glossop, Derbyshire.
- 1928 *Nelmes, W., M.B.E., V.M.H., A.H.R.H.S., F.I.P.R.A., Willowfield, Upper Common, Aylburton, Lydney, Glos.
- 1945 Nelson, J. S., The Lodge, Acton Park, The Vale, Acton, Middlesex.
- 1946 *Nelson, Mrs. J. (Helmsing), ditto.
- 1950 Newhams, D., c/o Parks Dept., Neath, Glam.
- 1924 *Newman, C. A. S., Clovelly Cottage, Lampton Road, Hounslow, Middlesex.
- 1950 Newton, Miss D. M. (See Mrs. Pringle).
- 1958 -Nicholson, Mrs. R. A. (Floyer), P.O. Box 259, Mbeya, Tanzania.

- 1925 *Nisbett, E. I., Dazell Village Way, Little Chalfont, Amersham, Bucks.
 1946 *Norris, J. L., 19 Montrose Avenue, Whitton, Twickenham, Middlesex.
 1948 -North, F. G., 139 Mildmay Road, Stevenage, Herts.
 1969 -Norton, M. R., Green Hills, Ansford Hill, Castlecary, Somerset.
 1968 Nunov-Mensah, Mrs. Madia (Miss L. Annawetty), Parks and Gardens Dept.,
 P.O. Box M169, Accra, Ghana.
 1953 -Nutt, P. A., 125 Cedarcroft Road, Kennett Sqare, Pennsylvania 19348, U.S.A.
- 1960 Obi, J. A., Plant Introduction Service, Federal Agr. Research, P.M.B. 5042,
 Ibadan, Nigeria.
 1921 O'Brien, Mrs. C. P. (Rolfe), 113, 10th Avenue, N.W. Calgary, B.C., Canada.
 1966 O'Connor, J., Westmount, Shrubbery Gardens, Wem, Shropshire.
 1952 Offord, K. A., Cornerways, 5 Larchwood Close, Hadley Road, Ipswich.
 1969 -Oliver, E. G. H., Private Bag X101, Pretoria 0001, South Africa.
 1927 Orchard, O. B., "Orwinton," New Road, Broxbourne, Herts.
 1954 O'Reilly, M., 27 Broad Lane, Hampton, Middlesex.
 1928 -Ovenden, S. F., 12 Watcher Lane, Minster, Ramsgate, Kent.
 1958 Overeynder, H., Yew Tree Cottage, Oxford Road, Donnington, Newbury, Berks
 1965 -Overland, F. A., The Lodge, Brentlodge Park, Church Road, London, W7 3BP.
 1970 Owen, D. R., P.O. Box 331, Lilongwe, Malawi.
- 1929 Page, G. W., Wrights Nurseries, Pangbourne, Berks.
 1938 Page, P. W., c/o Parks Dept., Box 2824, Johannesburg, South Africa.
 1970 Painter, D. M., 26 Warwick Road, Twickenham, Middlesex.
 1949 Palmer, W., 25 Wear Bay Crescent, Folkestone, Kent.
 1952 -Parker, F., 4120 Peachtree Road, Apartment 8D, Atlanta N.E., Georgia, 30314,
 U.S.A.
 1952 -Parker, H., Cwmdonkin Park House, 70 Penlan Crescent, Uplands, Swansea,
 Glam.
 1959 -Parkin, Miss M. E., Greenhouse Supervisor, Wascana Centre Authority, Regina,
 Saskatchewan, Canada.
 1971 -Parkinson, W., The Lodge, Crematorium, Benhall Mill Road, Tunbridge Wells,
 Kent, TN2 5JH.
 1947 Parmentier, W. H., 7 New Street, St. Annes, Alderney, C.I.
 1949 *Parsons, C. R., The Holding, Shrimpney, Nr. Bognor Regis, Sussex.
 1958 -Paterson, A. P., N.D.H., M.Ed., Chelsea Physic Garden, 66 Royal Hospital Road,
 London, S.W.3.
 1973 -Paterson, R. A., The Cottage, Currabinny, Carrigaline, Co. Cork, Eire.
 -Pattison, G., High Street, Teddington, Middlesex, TW11 8EN.
 1926 Patton, H. S., S., Parks, Lloyd Park, Forest Road, Walthamstow, E.17.
 1964 -Pead, C. B., 41 Osborne Avenue, Staines, Middlesex.
 1960 Pearce, D. G., T.A., Smethwick Park, Cemeteries and Allotments Dept., Greater
 London.
 1933 *Pearce, W., Pound Farm, Brockmanton, Nr. Leominster, Herefordshire.
 1975 -Pearson, K., The Rectory, Hemington, Peterborough.
 1965 -Pearson, K. F., 24 Lamberts Croft, Green Leys, Wolverton, Milton Keynes,
 MK12 6AS.
 1959 -Pedley, A., D.I.P.A., 10 Parklands Avenue, Leamington Spa, Warwickshire.
 1967 -Penberthy, B., 15 Atlantic Terrace, Camborne, Cornwall.
 1974 -Perham, D. R., Prospect Estates, Tortula, Virgin Isles, B.W. Indies.
 1950 -Perkins, B. L., F.L.S., P.O. Box 84807, Mombasa, Kenya.
 1925 -Perkins, H. A. T., 16 Acheson Road, Hall Green, Birmingham, 28.
 1940 *Pettigrew, Capt. A. H., S., Guarlford Court, Nr. Malvern, Worcs.
 1974 -Philibert, L., 36 Palace Green, Addington, London CRO 9AG.
 1972 -Phillips, B., c/o Merristwood Institute, Guildford, Surrey.
 1972 -Phillips, Mrs. S. M., Hillcrest Avenue, Chertsey, Surrey.
 -Pierce, A., Dept. of Agric., For., P.O. Box 834, Hamilton, Bermuda.
 1964 Pierce, D. N., 28 West Pall Road, Richmond, Surrey.
 1908 Pieris, W. I., Rubber Research Scheme, Culloden, Neboda, Ceylon.
 1933 Pinnion, W. S., 42 High Road, West Felixstowe, Suffolk.
 1960 -Pitcher, B. F., 11 Crestbrook Place, Green Lanes, Palmers Green, London.
 N13 5SB.
 1968 Pitt, R., 36 Walpole Road, Runcorn, Cheshire.

- 1964 -Popham, C., Downhouse Cottage, Holly Bush Lane, Stoke Bishop, Bristol BS9 1JZ.
- 1954 Popham, Mrs. J. A. (Miss Hyde Trutch), ditto.
- 1930 *Porter, W., 30 Rockstone Road, Bassett, Southampton.
- 1928 *Poulter, C. G. W., 22 Burnside Row, Kirkmichael, Ayrshire.
- 1958 -Powell, C. U., Dolphin Cottage, 17 Police Station Road, Hershams, Surrey.
- 1957 Powell, M. C., B.Sc., Ph.D., 16 Walstenbury Road, Rustington, Sussex.
- 1937 Poy, A. L., 14 Rue des lices, Blois, L. et Ch., France.
- 1972 Preston, G. H., A.H.R.H.S., F.L.S., 251 Hinton Way, Great Shelford, Cambridge, Cambs., CB2 5AN.
- 1962 -Preston, W. T., April Cottage, Walmer Gardens, Ealing, W.13.
- 1949 -Price, J., "Greenbank," Sully Road, Penarth, Glam., CF6 2TZ.
- 1967 -Pring, Miss G. M., 24 Shaftesbury Road, Richmond, Surrey.
- 1956 Pringle, Mrs. D. (Miss D. M. Newton). Address as above.
- 1925 *Pritchard, W. B., 17 Maelgwyn Road, Llandudno, Caernarvonshire, North Wales.
- 1957 Prive, A. E., 12 Bis Avenue, Outribon, Vilomomble, Seine, France.
- 1937 *Prockter, N. J., F.L.S., 110 Malthouse Rd., Southgate, Crawley, Susx. RH10 6BH.
- 1937 Prolluis, Karl, Vichels, Post Ncristad (Dosse), Germany.
- 1970 Protheroe, J.
- 1946 -Puddle, C. E., M.B.E., V.M.H., Bodnant Cottage, Tal-y-Cafn, Denbighshire, Wales.
- 1942 -Purchas, Mrs. F. Brooks (Milburn), The Thatched House, Roundwood Lane, Haywards Heath, Sussex.
- Pusey, W., Bedford Parks Department, Beds.
- 1908 Pyman, G. W., 472 Pinner Road, Pinner, Middlesex.
- 1944 Pymount, E. W., 234 Painswick Road, Gloucester.
- 1906 Race, A., Harewood Nurseries, Darlington, Durham.
- 1962 -Rainey, J., M.C., 33 Diamond Gardens, Finaghy, Belfast.
- 1963 -Ralston, D., Castle Harbour Hotel, Permuda.
- Ramsbottom, Miss M., 34 Ennerdale Road, Kew, Richmond, Surrey.
- 1964 Ranasinha, G. O. W., 95 Udamadapotha Road, Asgiriya, Kandy, Ceylon.
- 1925 Ransom, D. H., Ransom & Son, Ransom's Gdn. Centre, Faldovet-Gorey, Jersey.
- 1959 Ransom, D. P., ditto.
- 1951 -Rattenbury, H. C. P., 36 Bodiam Road, Ipswich, Suffolk.
- 1951 -Ravenscroft, A., Parks Dept., Municipal Offices, Harrogate, Yorks.
- 1972 *Rawlings, S. W., A.R.P.S., 189 Castle Lane West, Bournemouth, BH9 3LD.
- 1971 Reed, J., 38 Heathcombe Road, Bridgwater, Somerset.
- 1906 Renton, J. S., Provincial Nurseries, Essondale, B.C.
- 1941 *Redman, J., N.D.H., Royal Bot. Gdns., Box 399, Hamilton, Ontario.
- 1955 Riach, D., D.S., Supt., Parks and Recs., Parks House, Dixon Street, Mastertor, New Zealand.
- 1967 -Rich, A., North Lodge, North Road, Castle Strouds, Cardiff CF4 2PJ.
- 1949 Richardson, C. L., D.I.P.A., Deputy Parks Supt., c/o Parks Dept., Cheltenham.
- 1975 -Richardson, F., 107 Huntingfield Road, Putney, London, S.W.15.
- 1931 *Richardson, L. A., Garden Craft Nursery, 134 Hector Street, Osborne Park, 6017, Western Australia.
- 1975 -Rickards, J., 15 Belmont Avenue, Cockfosters, Barnet, Herts.
- 1956 Rippon, A. V., 567 Moore Road, Durban, South Africa.
- 1958 -Risely, T. F., 31 Princes Street, Dunstable, Bedfordshire.
- 1975 -Robbins, S., 60 Kelston View, Whiteway, Bath, Somerset.
- 1968 Roberts, J., 10 Little Lane, Ravensthorpe, Northants.
- 1954 Roberts, M. F. S., 18 Bellmount Wood Avenue Watford, WD1 5BW.
- 1928 -Roberts, S. J., 1 Cilymaenllwyd Fach, Pwll, Llanelli, Carmarthenshire.
- 1923 Roberts, W., 53 Eastridge Way, Tonbridge, Kent.
- 1922 Robertshaw, P., 80 Chelsea Drive, Durban North, Natal, South Africa.
- 1973 -Robinson, A., 5 Ballyoran Hgts., Portadown, Co. Armagh, N. Ireland.
- 1931 Robinson, J. A. M., 17 Kingwood Place, Abergele, North Wales.
- 1965 -Robinson, K., 12 Blairmore Drive, Deane, Bolton, Lancs.
- 1962 -Robson, N. K. B., B.Sc., Ph.D., F.L.S., c/o Brit. Mus. Bot. Dept., Cromwell Road, S.W.7.
- Rockwell, Miss G. D. (See Mrs. Sheat).
- 1948 -Roddick, P. W., 44 Davids Drive, Wingerworth, Derbyshire.
- 1948 -Roddick, R. S., 2 Boundary Drive, Hunts Cross, Liverpool 25.

- 1956 Rogers, W. M., 14 Crummer Road, Grey Lynn, Auckland, New Zealand.
 1951 Rodway, F. G., B.G., Glasgow, W.2.
 1937 Rolff, S. B., Ljungbyhed, Sconia, Sweden.
 1948 -Rolls, E. V. H., "Hillside", Sutton Hill, Bishop Sutton, Bristol, Avon B518 4UN.
 1939 *Ronco, L., Bordighera Piani, Borghetto, Italy.
 1958 -Rooke, I. G., 97 Grove Road, Rayleigh, Essex.
 1965 -Roome, C. S., 140 Willow Tree Lane, Yeading, Hayes, Middlesex.
 1963 Rose, A. J., A.Inst.P.R.A.(Dip.), The Lodge, Gardeners Drive, Newsham Park, Liverpool 6.
 *Ross-Craig, Miss S. (Mrs. J. R. Sealy), 15 Grosvenor Road, Richmond, Surrey.
 1934 *Rose, W. A., Colonial Research Inst., Freeport, Grand Bahama, Bahamas.
 1972 Rotherham, J. E., 3 Dale Road, Dronfield, Sheffield, S18 6YG.
 1938 Rottgardt, K. H., Staatliche Botanischer Garten, Hamburg, 36, Germany.
 1961 Rover, Miss H. (Mrs. Self), 57 Priory Gardens, Highgate, London, N.6.
 1920 Ruck, E. A., 48 Burns Way, Heston, Middlesex.
 1930 *Rudd, C. W., A.H.R.H.S., D.I.P.A., 7 Crescent Rise, Wood Green, N.22.
 1936 Rudge, H. C., Parks Dept., Birmingham.
 1922 *Rudolf, Miss O. (See Mrs. Davis).
 1932 *Rumsey, R. H., Old Northern Road, P.O. Box 1, Dural, N.S.W. 2158, Australia.
 1967 -Russell, T. A., Greenside, Kirk Yetholm, Kelso, Roxburghshire.
 1928 *Rutter, W. G., University Gardens, Edgbaston, Birmingham 15.
 1935 Ruyter, B. J. de, 96 Tuinstraat, Tilling, Holland.
 1957 -Ryder, F. P., Parks Dept., Cyfartha Park, Merthyr Tydfil, Glamorganshire.
 1946 Rymer, Miss N. B. (See Mrs. Holcroft).
 1948 Rzadkowska, Miss I. (See Mrs. Liebich).
- 1976 -Sadler, J., 28 St. Martin Road, Hanwell, London, W.7.
 1958 -Sales, J., N.D.H., Ledwell Lodge, 4 Burford Road, Cirencester, Glos.
 1957 †*Salisbury, Sir Ed., C.B.E., D.Sc., F.R.S., Croindere, Strandway, Felpham, Bognor Regis, Sussex.
 1964 -Salter, B. J., Upper Garage Flat, "Heathfield," Coombe Lane, Croydon, Surrey.
 1946 Sampson, Miss J. (See Mrs. R. C. Tucker).
 1912 †*Sargeant, T., 25 Cale Road, Haywards Heath, Sussex.
 1950 Saunders, Miss B. J., 40 Cowley Road, London, S.W.14.
 1972 -Savage, T., 12 Fifth Avenue, Burnley, Lancs.
 1951 Saville, B. R., c/o Llandaff Tech. College, Western Avenue, Cardiff, S. Wales.
 1923 -Saville, D., 6 Ennerdale Road, Kew Gardens, Richmond, Surrey.
 1970 Sawyer, C. F.
 1924 *Sayer, H. W., 17 Landcross Drive, Abington Vale, Northampton.
 1962 -Sayers, C. D., 47 Hawthorn Terrace, Durham City, DH1 4EL.
 1940 -Sayers, D. W., 94 Potters Lane, Burgess Hill, Sussex.
 1960 -Scales, K. W., The Lodge, Belmont Park, Blackboy Road, Exeter EX4 6SS.
 1967 -Scarr, E. D., N.D.H.(S.A.), C.H., Parks, Recreation & Beaches Dept., Durban, Natal, South Africa.
 1967 -Scarr, Mrs., CH Parks & Rec., Dunbar, Natal, South Africa.
 1968 -Scarr, S.
 1958 Sceats, Mrs. (Miss A. D. Dunk), 29 Wilmington Avenue, Chiswick, W.4.
 1945 Scott, Miss C. (See Mrs. Bundy).
 1902 Seaborne, R. S., Penhas Gardens, Exeter Road, Dawlish, South Devon.
 1955 -Seager, T. J., Alexandra Park, Oldham, Lancashire.
 1967 *Sealy, J. R., B.Sc., F.L.S., 15 Grosvenor Road, Richmond, Surrey.
 *Sealy, Mrs. J. R. (See Miss S. Ross-Craig), ditto.
 1923 -Semple, J. A., 82 Beechwood Road, Wellesley, Mass. 02181, U.S.A.
 1949 *Senogles, F., David's Well, Westcot Lane, Sparshott, Wantage, OX12 9PZ.
 1944 *Sharps, Miss F. A. (See Mrs. Ashby).
 1949 Sharps, Miss J. (See Mrs. Hingston).
 1938 -Shaw, F., 12 Warren Road, Cambs. CB4 1LL.
 1957 -Shea, J. O., 2 Ferring Close, South Harrow, Harrow, Middlesex.
 1939 *Sheat, W. G., Bali H. Nur., P.O. Box 174, Hillcrest, Natal, S.A.
 1940 Shepherd, Miss B. N. (See Mrs. Cramer).
 1968 Shepherd, I. L. M., 23 Woodnor Road, Shevington Vale, Nr. Appley Bridge, Lancashire.
 1953 Shepherd, M. W., 23 Denmark Road, Exeter, Devon.

- 1960 Sherk, L. C., Evans Avenue, 700 Etobicoke 653, Port Colborne, Ontario, Canada.
- 1936 Shewan, H. T., Dept. of Horticulture, Asamakere, Gold Coast, West Africa.
- 1940 *Short, J. G., Curator, Victoria University, Wellington, New Zealand.
- 1968 -Shutler, G., 101 Field Place Caravan Park, New Milton, Hants. BH25 7RD.
- 1952 -Sieben, J. R., Supt. of Parks, P.O. Box 49, Queenstown, Cape Province, S. Africa.
- 1937 Simpson, A. J., 244 Custlefield Avenue, Toronto, 12, Ontario, Canada.
- 1970 -Sinnott, N. H., 45 Lincoln Road, Essendon, Victoria 3040, Australia.
- 1968 -Skane, Miss M. I., M.B.E., 147 Lichfield Crt., Sheen Rd., Richmond, Sy. TW9 1AY.
- 1946 Sivyver, G. R., 30 Claygate Lane, Esher, Surrey.
- 1948 *Slade, W. J., H.G., Napsbury Hospital, Nr. St. Albans, Herts. (North Lodge)
- 1929 -Slinger, L., The Shieve Donard Nursery Co., Newcastle, Co. Down, N. Ireland.
- 1954 Smalley, E., Old Surrey Hall, East Grinstead, Sussex.
- 1967 -Smith, A. R., 71 Kenswick Drive, Halesowen, West Midlands B63 4QY.
- 1959 -Smith, G. D., Klein Welgemeend, Lincoln Road, Lakeside, Cape Town, S.A.
- 1968 -Smith, G. F., Pukeiti, Rhododendron Trust, R.D., 38, Okato, Taranaki, N.Z.
- 1971 -Smith, J. A.
- 1963 Smith, J. D. H.,
- 1930 *Smith, J., F.Z.S., Braemar Street End, Canterbury, Kent.
- 1933 Smith, James W., S., Public Parks, Cheltenham, Glos.
Smith, K., 6 Orchard Way, Eastchurch, Isle of Sheppey, Kent.
- 1945 Smith, Mrs. M., (née Cowell), B.Sc., N.D.H.
- 1949 -Smith, W. S., Flat 1, White House, Canal Gardens, Leeds, LS8 1DQ.
- 1964 *Souster, J. E. S., N.D.H., F.L.S., c/o The Old Vicarage, Moulsoford, Wallingford, Berkshire.
- 1945 *Souster, Mrs. (Miss R. M. Ambrose), 27 Holmlea Road, Goring-on-Thames, Reading.
- 1919 *Sparrow, Sqd.Ldr., Retrd., J.W., M.M., 7 Potts House, Great Milton, Oxford.
- 1964 Spate, G., 12 Lucknow Road, Willenhall, Staffordshire.
- 1946 -Sprague, Mrs. T. A., B.A., F.L.S., 7 Hatherley Road, Cheltenham, Glos.
- 1934 Spray, J. R., Eskbank Flower Farm, 49 Lothian Street, Bony Rigg, Midlothian.
- 1966 Sprunger, S., 73 rue des Vosges, F 68220 Buschwiller, France.
- 1924 *Squibbs, F. L., 590 Newmarket Road, Cambridge.
- 1942 Squire, Mrs. M. W. (Tanner), 28 Colston Road, East Sheen, S.W.14.
- 1939 Stanion, R. O., Director, Nottingham Parks Dept., Nottingham.
- 1934 Stayner, F. J., C., Karov Gardens, P.O. Worcester, C.P., South Africa.
- 1973 Stanfield, G. T., 27 East Sheen Avenue, East Sheen, S.W.14.
- 1945 *Stent, Miss H. J. (See Mrs. Albert).
- 1970 -Stevens, A. D., 3 Taylor Avenue, Kew Gardens, Richmond, Surrey.
- 1968 -Stevens, Miss E., N.D.H., Kennel Farm, Clarendon, Salisbury, Wiltshire.
- 1972 -Stevenson, Miss J., 9 Gt. Green, Pirton, Hitchin, Herts.
- 1908 *Stirling, E., Danelachan, Colliston, Nr. Arbroath, Scotland.
- 1927 †*Stock, C. R., P.P.Inst.P.R.A., 14 The Mead, Beckenham, Kent, BR3 2PE.
- 1953 Stone, C., 87 Crescent Road, Toronto, Ontario, Canada.
- 1950 -Stone, G. E., "Amberley," Kenton, Exeter, Devon.
- 1932 -Stonebridge, G. W., 24 Walterbush Road, Chipping Norton, Oxon.
- 1959 -Storer, D. T. M., D.I.P.A., Parks Supt. House, Yew Tree Nurseries, Rossett, Nr. Wrexham, Denbighshire, North Wales.
- 1952 -Storey, W. E., 88 Latchmere Road, Kingston, Surrey.
- 1970 -Storr, T. R. B., 11 Sheen Park, Richmond, Surrey.
- 1958 -Strabel, J. F., 20 Barberry Road, Cowslip, Penarth, South Glamorgan, Wales.
- 1948 -Straughan, R. E., N.D.H., Derbyshire Agricultural College, Morley, Nr. Derby.
- 1930 -Studley, E. W., F.I.P.R.A., A.H.R.H.S., 60 Southbrook Road, Langstone, Havant, Hants.
- 1973 -Stuttard, A., N.D.H., 20 Cecil Road, Muswell Hill, London, N.10.
- 1969 -Styles, P., 109 Colwyn, Treowen, Newtown, Powys, Wales.
- 1969 -Summerwell, P. C., The Bungalow, St. Bridget Nurseries, Old Rydon Lane, Exeter, Devon, EX2 2TY.
- 1957 Sumner, R. J., 43 Churchfields Road, Beckenham, Kent.
- 1958 -Sutcliffe, T., Weatherham, Brompton Regis, Dulverton, Somerset.
- 1937 -Swift, H. W., c/o Fairchild Bot. Gdns., Miami, 44106, U.S.A.
- 1920 *Syer, F. G., 90 Cromwell Avenue, Cheshunt, Herts.
- 1962 -Taber, D. W., 99 Holmwood Road, Cheam, Surrey.
- 1942 Tanner, Miss M. W. (See Mrs. Squire).

- Tapson, O. V., Police House, East Ord., Berwick-upon-Tweed.
- 1941 Tarver, Miss B. M. (See Mrs. Laking).
- 1934 Taylor, A. J., c/o Starke-Ayres, Mowbray, Cape Town, South Africa.
- 1939 Taylor, G. E., 244 Sandycombe Road, Kew Gardens, Surrey.
- 1971 -Taylor, Sir George, D.Sc., F.R.S., F.R.S.E., F.L.S., V.M.H., Belhaven House, Dunbar, East Lothian.
- 1953 Taylor, H., The Mooring, Station Road, Invergowrie, Dundee.
- 1933 *Taylor, Hubert, M.B.E., A.H.R.H.S., N.D.H., 8 Cotterill Road, Surbiton, Surrey.
- 1961 Taylor, Miss J. L. (See Mrs. B. Humphrey).
- 1947 -Taylor, J. O., N.D.H.(N.Z.), 2 Western Terrace, Christchurch 2, N. Zealand.
- 1940 Taylor, Miss R. (See Mrs. C. M. Jackson).
- 1969 Taylor, T. M.
- 1929 Teal, A. G., c/o Parks Dept., Town Hall, Merton and Morden, Surrey.
- 1953 -Tebby, P. A. C., A.S., 28 Fourth Avenue, Chelmsford, Essex, CM1 4HA.
- 1948 Templeton, J. G., c/o Com. War Graves Comm. (Caen Area), 106 Rue de Thurey, Fleury-sur-Orne, Par Caen (Calvades), France.
- 1957 -Tennakoon, S. B., Botanical Gardens, Hakgala, Central Province, Ceylon.
- 1961 -Thames, B. G., 102 Wembdon Road, Bridgwater, Somerset.
- 1963 -Theron, M., 88 Farnham Road, Lynnwood Manor, Pretoria 0002, South Africa.
- 1903 Thomas, Ernest, 1514 Chestnut Street, Philadelphia, Pa., U.S.A.
- 1946 Thomas, J., Parks and Reserves Dept., Town Hall, Townsville, N. Queensland.
- 1958 Thomas, R. G., Horticulturist, Caneal Bay Plantation, Virgin Islands Nat. Park, St. John, U.S.V.I.
- 1944 *Thompson, Miss E. K. G. (See Mrs. McCulloch).
- 1948 Thompson, G. D., 147 Beacon Lane, Whipton, Exeter, Devon.
- 1928 Thornicroft, I. V., Tinderbox, Blackman's Bay, Tasmania, 7152.
- 1964 Tickner, Miss L. (See Mrs. Gatrell).
- 1968 -Tietze, Miss, P.C., 41 Caxton Road, Otley, West Yorkshire LS21 3LL.
- 1955 -Till, B. W., Dir. of Parks and Rec., Kempton Park Town Council, P.O. Box 13, Kempton Park, Transvaal, South Africa.
- 1949 Till, J. R., Knight Hill House, Padiham, Burnley, Lancs.
- 1915 Timmers, A., "Brambles," Hailey Witney, Oxon.
- 1946 -Tindall, H. D., M.B.E., M.Sc., M.I.Biol., N.D.H., F.L.S., c/o National College of Agric. Engineering, Silsoe, Bedfordshire.
- 1972 -Titchmarsh, A., 17 Beechill Road, The Rise, Sunningdale, Berks.
- 1960 Toft, K. G., 2 Westcot Road, Swindon, Wilts.
- 1959 Tomlinson, D., Dip.Arb., 83 Blackstock Road, Stoke Newington, N.4.
- 1959 -Tomlinson, M. J., Flat 5, Milton Mount, Pound Hill, Crawley, West Sussex.
- 1954 Towle, P., c/o Parks Dept., Nottingham.
- 1967 -Townsend, D. H. W., 6 Manor Road, East Grinstead, Sussex.
- 1955 -Tregear, J. P., West Bank, 32 Southampton Road, Lymington, Hants., SO4 9GG.
- 1927 *Trevaskis, P., S., F.A.I.P.A., Macclesfield Road, Avonsleigh, VIC 3159, Australia.
- 1972 Trevan, D. J., Isle of Wight College of Art and Technology, New Port, I.O.W.
- 1964 Trewnnard, R., 45 Laburnum Road, Cumbernauld, Glasgow.
- 1946 -Trower, Miss S., Little Crown, Ewhurst, Surrey.
- 1936 *Truman Fossum, M., 1145-19th St., N.W., Suite 415, Washington, D.C., 20036, U.S.A.
- 1970 -Tuck, J., 155 Muirside Avenue, Kirkintilloch, Dunbartonshire.
- 1969 Tuck, Mrs. J., ditto.
- 1912 *Tuck, W. H., N.D.H., Sancroft Manor, Laxfield, Woodbridge, Suffolk.
- 1946 Tucker, Mrs. R. C. (Miss J. Sampson), 21 York Street, Sandy Bay, Hobart, Tasmania, 7005, Australia.
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- 1949 -Turley, P. G., ditto.
- 1910 Turner, A., 8 Bridgwater Road, North Petherton, Bridgwater, Somerset.
- 1965 Turner, A. P., c/o Johannesburg Parks Dept., Johannesburg, South Africa.
- 1936 *Turner, J. H., F.L.S., "Cradock," 70 Fairfield Rd., Winchester, Hants. SO22 6SG.
- 1960 Turton, K. J., 190 Woulton Road, Liverpool 19.
- 1948 Tweedale, F., Dep. Dir., Parks Dept., Newcastle-upon-Tyne.
- 1963 -Tyas, M., 1 The Lodge, Overbury, Tewkesbury, Gles.
- 1956 -Tyte, J. S., 22 Woodhall Close, Downend, Bristol, BS16 6AJ.
- 1926 Vallance, J. C. S., 12411 Feldon Street, Silver Spring, Maryland, U.S.A.

- 1961 -Van der Breggan, J. G., Burgess Park, 290 Jacob Mare Street, Pretoria, South Africa.
- 1934 *Vanson, G. H. C., The Lodge, Bradley Woods, Grimsby, Lincs.
- 1920 *Vardy, M., "Sandhill," Middleton Lane, Middleton St. George, Darlington, Co. Durham.
- 1927 Verdoorn, Miss Inez, Division of Botany, Pretoria, Transvaal, South Africa.
- 1929 Viale, Secundo, c/o La Mortola, Ventimiglia, Italy.
- 1935 Viale, Terzo, c/o La Mortola, Ventimiglia, Italy.
- 1956 Vickers, F., East Park Lodge, Corporation Park, East Park Road, Blackburn.
- 1946 *Vile, K. M., 37 Station Road, Great Bowden, Market Harborough, Leics.
- 1958 Vogt, A., Gartenbau, Zollerstrasse, Erlenbach-Zurich, Switzerland.
- 1966 -Waddell, D., The Bungalow, Elmwood College, Cupar, Fife, KY15 4HY.
- 1946 -Wakefield, Mrs. E. M. (Miss Moss-Holland), 5 Ritchie Place, Edinburgh.
- 1934 -Walby, A. P. S., Cutteslowe Park, Summertown, Oxford.
- 1902 Waldenburg, N., Alnarps, Tradgardsskola, Nr. Akarp, Sweden.
- 1937 -Walker, W. F., N.D.H., F.L.S., Chief Hort., Dept. of Agric., G.P.O. Box 192B, Hobart, Tasmania.
- 1947 Wall, R. G., M.B.E., N.D.H., Dep. Reg. Dir., Commonwealth Graves Commission, Northern Region, Place Marechal du Foch, 62-Arras, France.
- 1928 *Wallace, Mrs. G. B. (Duke), M.Sc., 31 Dukehaugh, Peebles, Peeblesshire.
- 1944 -Waller, Mrs. H. (Shallcross), Burnt House Farm, Chartham, Nr. Canterbury, Kent.
- 1968 -Walshaw, D., 1B Priory Road, Kew, Richmond, Surrey.
- 1921 *Walters, E. A., Northwood Presteigne, Radnorshire, North Wales.
- 1964 Walters, Miss S. K. (See Mrs. Low).
- 1947 -Ward, J., S., 20 Garden Lane, New Orleans, Louisiana, U.S.A.
- 1963 -Ward, R. C. (A.Inst.P.R.A.(Dip.)), 254a Kew Road, Kew, Richmond, Surrey.
- 1952 Ward, W. B., Chief Hort., Hodges Gardens, Highway 171, Many, Louisiana, Canada.
- 1920 Wareham, Miss E. (See Mrs. Finch).
- 1922 *Warner, Miss Audrey (See Mrs. Joy).
- 1970 -Warris, Mrs. P., Maplewood, Heatherlands Road, Chilworth, Southampton, SO1 7JR.
- 1937 -Wass, B. B., 87 Berkeley Avenue, Reading, Berkshire, RHL 6HS.
- 1937 *Watson, D. P., B.S.A., M.Sc.(Lond.), Ph.D.
- 1954 -Watson, G., c/o Col. and Asian Affairs, 61 Sower Street, City Centre, Johannesburg, South Africa. Home address: c/o Mrs. E. O. Watson, 223, Cinderhill Road, Cinderhill, Nottingham, NG6 8SE.
- 1949 Watson, J., City of York Parks Dept., Yorkshire.
- 1923 *Watson, J. W., A.H.R.H.S., 14 Hollywell Road, Aylestone, Leicester.
- 1922 Watson, Miss K. (See Mrs. Chambers).
- 1971 -Watts, G. R., 124 Ingrave Road, Brentwood, Essex.
- 1948 -Waumsley, N., 25 Manor Gardens, Shepshed, Loughborough, Leics.
- 1908 *Weber, A., Niedershausen, Oberlahnkries, Germany.
- 1968 -Webster, A., 2 Halstead Walk, Allington Farm Estate, Maidstone, Kent.
- 1953 Weighill, G. C., Parks and Cemeteries Dept., Exeter, Devon.
- 1968 Weir, A. M., 34 Edmonton Avenue, Howden South, Livingston, West Lothian, Scotland.
- 1946 *Wells, Miss L. M., N.D.H. (See Mrs. Wren).
- 1938 Werder, H. A., 31 Rue Racine, Montrouge (Seine), France.
- 1943 *Werner, H. F., Myrtenhof Farm, P.O. Berlin, 5660 South Africa. Curator, Nat. Botanic Gardens., Kirtenbosch, South Africa.
- 1944 Werner, Mrs. M. (Miss M. Speake), ditto.
- 1948 *Western, Miss P. (See Mrs. Himson).
- 1949 -Wharton, K., 13 Manor Road, Off Dewsbury Road, Wakefield, Yorkshire.
- 1935 -Wheeler, G. F., N.D.H., West Lodge, Nunwell Park, Brading, I.O.W.
- 1929 Whibley, Mrs. (Miss C. Hillier), Aboyne, Southampton Road, Compton, Nr. Winchester, Hants.
- 1911 *White, A. H. J., Elloughton Road, Brough, East Yorkshire.
- 1946 White, Miss J. M., Greenway House, Churston Ferres, South Devon.
- 1972 White, S. J., 222 Astwood Road, Rainbow Hill, Worcester.
- 1972 -Whitehead, M. J., Merrist Wood Agric. Coll., Worplesdon, Guildford, Surrey.
- 1962 -Whitehill, J. A. E., 40 Maxwell Terrace, Glengowrie, South Australia, 5044.

- 1966 -Whiting, Miss M. M., Manorom House, 15 Multravers Drive, Littlehampton, Sussex.
- 1969 -Wickham, R., "St. Anthony's," Glen O'Downs Nursery, Kilmacanogue, Bray, Co. Wicklow.
- 1932 Wilding, J. E., 11 Fern Street, Farnworth, Lancashire.
- 1940 Wildy, R. H., N.D.H., 21 Blythe Road, Maidstone, Kent.
- 1946 Wilford, Miss J. (See Mrs. G. James).
- 1955 -Wilkinson, I., Firestone Plantations Coy., Harbel, Liberia, West Africa.
- 1971 -Wilkinson, M., 53 Rosslyn Avenue, Barnes, London, S.W.13.
- 1947 Will, A. G. K., Butcombe Court, Wrington, Nr. Bristol, Somerset.
- 1946 Willett, E. J. S., 9 Linkway, Cleyhall Drive, Spalding, Lincolnshire.
- 1959 Williams, A. L., Teachers' Training College, Newton St. Lowe, Bath.
- 1946 Williams, Mrs. H. (Bird), Mount Pleasant, Eastbury, Newbury, Berkshire.
- 1937 -Williams, R. F., Westmead, Kingsland, Nr. Leominster, Herefordshire.
- 1974 -Williamson, P. J., N.D.H., 61b Highfield Road, Kettering, Northants.
- 1938 -Willis, H. H., S., The Cottage, Woodberry Hill, Woodberry, Stanton St. John, Oxford.
- 1947 -Wilmott, C. J., Dene Lodge, Saltwell Park, Gateshead 8, Co. Durham.
- 1936 Wilson, A. S., Govt. House Gardens, Bengal, India.
- 1974 Wilson, D. V., Atomic Weapons Research Establishment, Aldermaston.
- 1966 -Wilson, P. E., 140 Oswald, Courtwood Lane, Croydon, CRO 9HE.
- 1972 -Wilton, S. A., 1b Priory Road, Kew, Richmond, Surrey.
- 1925 *Wiltshire, T. W., 48 Nant Fawr Road, Cyncoed, Cardiff, Wales.
- 1942 Wincott, Mrs. (Miss M. H. Lancaster), Ugborough House, Ugborough, Ivybridge, South Devon.
- 1964 -Winter, J., c/o Nat. Bot. Gdns., Kirstenbosch, Newlands, C.P., South Africa.
- 1975 -Wiseman, R., 20 Lindon Road, Runwell, Wickford, Essex.
- 1939 Wittwer, E. S., Supt., The Kings Park, Perth, 6005, Western Australia.
- 1938 Wolf, Lucien de, Marché au Fromage, 39 Wommel, Belgium.
- 1919 *Wood, Mrs. H. P. (Madan), Ladywell House, Vowchurch, Hereford.
- 1960 -Wood, A. T., Little Conifers, 423 Canterbury Road, Kennington, Ashford, Kent.
- 1967 Wood, C. P., 38 Chichester Road, Newton Hall, Durham.
- 1970 -Wood, G. P., N.D.H., 49 Egerton Rd., Davenport, Stockport, Cheshire, SK3 8TQ.
- 1950 *Wood, P. L. D., N.D.H., c/o Box 189, Salisbury, Rhodesia.
- 1947 -Woodward, A., N.D.H., F.Inst.P.R.A.(Dip.), 275 Tudor Drive, Kingston-on-Thames, Surrey.
- 1923 Woodhouse, P. J. C., Queen's Park, Glasgow, S.2.
- 1963 -Woolliams, K. R., Waimea Arboretum, 59-864 Kamehameha Highway, Haleiwa, Hawaii, 96712.
- 1967 -Wooton, Mrs. H., 6 Arlington Close, East Twickenham, Middlesex.
- 1954 -Worraker, E. H. W., Tides Reach, Five Oak Green, Tonbridge, Kent.
- 1937 -Wray, E. C., 33 Alexandra Road, Watford, Herts.
- 1948 -Wray, E. V., F.L.S., Selwood, 14 Church Lane, Humberstone, Nr. Grimsby, Lincolnshire.
- 1946 *Wren, Mrs. L. M., N.D.H. (Wells), 4 Newark Lane, Ripley, Surrey.
- 1956 Wyatt, P. C., 8 College Road, Histon, Cambs.
- 1939 *Wyndham, G. T. F., Perceval Lodge, Mattock Lane, Ealing, London, W.5.
- Yarde, Miss E., West Farm, Coombe Keynes, Wareham, Dorset.
- 1926 *Yashiroda, K., Tonosho-kyoku, Kagawa-ken, Japan.
- 1961 -Yates, G. J. E., N.D.H., Ashfield Lodge Farm, Bailes Lane, Normandy, Guildford, Surrey.
- 1968 Yong-Fann-Chin, The Istana, Singapore, Malaysia.
- 1948 -Young, P., The Lodge, Cheam Park, Cheam, Surrey.
- 1971 Young, P. C. B., Flamingo Beech Club, Apartado 13, Santa Cruz, Guanacaste, Costa Rica, C.A.
- 1933 *Younger, R. W., A.H.R.H.S., Supt., Supt. House, Univ. B.G., Cambridge.
- 1915 *Yuill, E., 35 Askham Lane, Acomb, York.
- 1939 *Ziedenisburg, D. C., G.B.G., "Mikveh Israel," Poste-Holon, Israel.
- 1932 Zammitt, S. J., S., Govt. Farms & Agric. Organiser, Dept. of Agric., Government Farm, Ghammieri, Malta.
- 1931 *Zwicky-Waber, K., Sonneblume, Hunibach, Nr. Thun, Switzerland.

NOTE.—Future editions of the journal will omit the names and addresses of members who are not paid up to date.

LIST OF OLD KEWITES WHOSE ADDRESSES ARE UNKNOWN

1965	Akance, L. A.	1949	Lavender, F. R.
	Anderson, J. W.	1931	*Lee, L. A.
1912	Illman, G. E.	1934	Martin, L. P.
1954	Ashley, R. F.	1959	Mason, J. D.
1953	Bentham, H.	1954	Massey, A.
1958	Bingham, C. A.	1949	May, C. J.
1959	Bird, S. F.	1969	McKarry, B. G.
1956	Boulton, J. B.	1942	Melville Towers, Mrs. Lismore (Miss E. Plummer).
1951	Brooks, V.		
1943	Brown, J.	1971	Miller, B. C. B.
1951	Brown, J.	1963	Mitchell, A. J.
1913	*Candler, S. R.	1933	Mould, A.
1949	Child, R. F.	1969	Norwood, D. A.
1945	*Clarke, P.	1940	Prior, M. C.
1936	Cross, G. H.	1934	Robinson, H. P.
1959	Crossman, J. H.	1970	Sawyer, C.F.
1965	Duncan, C. M., N.D.H.	1967	Saxon, E.
1959	Dunnenberger, W.	1969	Shorey, M. J.
1927	*Elson, A. S.	1937	Simmonds, F. L.
1945	*Everett, W. E.	1953	Smith, I. L.
1945	*Farmer, Mrs. W. O. (Miss J. M. Thompson).	1934	*Stanley, M.
		1948	Stevenson, Mrs. E.
1942	Flew, Miss M. G.	1967	Tennant, J. R.
1934	*Ginkel, C. van	1913	*Tindall, H. B. A.
1967	Goddard, H. N.	1967	Vivian, A.
1966	Gordon, C. E. B.	1948	*Ward, O. J.
1972	Harris, J.	1968	Wheatley, G. G.
1971	Haywood, L.		Wickens, E. G.
1956	Hind, H.	1959	Willis, J. H.
1947	James, K. H.	1959	Willoughby, B. J.

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1954	Ashley, R. F.	1959	Mason, J. D.
1953	Bentham, H.	1954	Massey, A.
1958	Bingham, C. A.	1949	May, C. J.
1959	Bird, S. F.	1969	McKarry, B. G.
1956	Boulton, J. B.	1942	Melville Towers, Mrs. Lismore (Miss E. Plummer).
1951	Brooks, V.		
1943	Brown, J.	1971	Miller, B. C. B.
1951	Brown, J.	1963	Mitchell, A. J.
1913	*Candler, S. R.	1933	Mould, A.
1949	Child, R. F.	1969	Norwood, D. A.
1945	*Clarke, P.	1940	Prior, M. C.
1936	Cross, G. H.	1934	Robinson, H. P.
1959	Crossman, J. H.	1970	Sawyer, C.F.
1965	Duncan, C. M., N.D.H.	1967	Saxon, E.
1959	Dunnenberger, W.	1969	Shorey, M. J.
1927	*Elson, A. S.	1937	Simmonds, F. L.
1945	*Everett, W. E.	1953	Smith, I. L.
1945	*Farmer, Mrs. W. O. (Miss J. M. Thompson).	1934	*Stanley, M.
		1948	Stevenson, Mrs. E.
1942	Flew, Miss M. G.	1967	Tennant, J. R.
1934	*Ginkel, C. van	1913	*Tindall, H. B. A.
1967	Goddard, H. N.	1967	Vivian, A.
1966	Gordon, C. E. B.	1948	*Ward, O. J.
1972	Harris, J.	1968	Wheatley, G. G.
1971	Haywood, L.		Wickens, E. G.
1956	Hind, H.	1959	Willis, J. H.
1947	James, K. H.	1959	Willoughby, B. J.