

THE  
JOURNAL  
OF THE  
KEW GUILD

AN ASSOCIATION OF MEMBERS OF THE KEW STAFF  
PAST AND PRESENT

FOUNDED 1892

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EVENTS OF 1972

*(Published May 1973)*

Volume IX

No. LXXVII

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ROYAL BOTANIC GARDENS

KEW

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*(A new feature we are anxious to build on.)*

## JOHN PATRICK MICKLETHWAIT BRENAN

President, 1972-73

Patrick Brenan was born at Sidcup, Kent, on 19th June, 1917. Genes for botanical interest had already shown themselves in his father's and mother's families. After education at Tonbridge School he took his B.A. at Oxford University in 1940 with 1st Class Honours in Botany, followed by posts as Departmental and University Demonstrator in the Imperial Forestry Institute at Oxford University, which ended in 1948, when he entered the Herbarium at Kew in order to work in the Tropical African Section under Mr. E. Milne-Redhead. In 1959 he took charge of the Tropical African Section on the appointment of Mr. Milne-Redhead as Deputy Keeper of the Herbarium and Library. On the retirement of Dr. C. E. Hubbard in December 1965, he became Deputy Director of Kew and Keeper of the Herbarium and Library.

In 1947-48 he was a member of the Cambridge Botanical Expedition to Nigeria and the Cameroons under the leadership of Professor (then Doctor) P. W. Richards. He also made extensive observations and collections in Zambia and Tanzania. The collections made are mainly at Kew and Oxford.

His interest in the Flora of Tropical Africa led to numerous publications on the plants of that continent, especially on the families *Leguminosae*, *Commelinaceae* and *Sterculiaceae* in which he has taken a special interest. The genus *Acacia*, whose species form so conspicuous a feature of the landscape over vast areas of Tropical African savannah, has long been a favourite with him. He contributed various accounts to the Kew African Floras, including the Flora of Tropical East Africa, the Flora of West Tropical Africa and the Flora Zambesiaca. He also wrote in collaboration with Dr. P. J. Greenway, our President in 1970-71, a descriptive Check List of the Woody Plants of Tanganyika.

Mr. Brenan has been concerned with a number of societies. From 1965-72 he was Botanical Secretary of the Linnean Society of London, and President of the Association for Tropical Biology in 1970-71. He is also a member of the Library and Scientific Committees of the Royal Horticultural Society and a Trustee of the Bentham-Moxon Trust.

He has had an interest in the Flora of Britain and Western Europe, starting in boyhood and revived on holiday trips since. He has been a member of the Botanical Society of the British Isles since 1933, and has served on its Publications Committee since 1953.

Mr. Brenan has always been a keen supporter of the Guild, attending the Dinner each year with his wife. They have three children, two girls and a boy. The family like to camp on the Continent during the summer since Mr. Brenan is fluent in both French and German.



JOHN PATRICK MICKLETHWAIT BRENNAN,  
President, 1972-73



STANLEY W. RAWLINGS,  
Vice-President, 1972-74

## S. W. RAWLINGS

Vice-President, 1972-74

Stanley W. Rawlings was born on the 17th February, 1912. He was educated at the County and Grammar School in Denbigh, N. Wales. Leaving school at the age of 16, he commenced his horticultural career on his father's nursery near Denbigh. The next move was in 1928, when he joined Salford Corporation Parks Department as an Improver at Bird Hill Park, the main glasshouse section. A move to Freemans Nurseries in Saltash, near Plymouth followed, but after one year he returned to Salford Parks for further experience in ornamental areas, tree surgery, glasshouse management and in the drawing office.

In June 1936, Stanley entered Kew as a Student Gardener, where he served in the Tropical Department under the late Mr. L. Stenning, Assistant Curator. From the Palm House he moved to the T. Range, and finally to the Orchids. To use Stanley's own phrasing—"Mr. Harry Davies, the Student Foreman in the Orchids and T. Range, left Kew to take up an appointment at Kirstenbosch Botanic Gardens, Cape Town, and I was fortunate enough to be made up in his place. This gave one an extra 10/- per week, making a grand total of £2.15; good money for a student in those days." In the autumn of 1939, his posting as Foreman of the Flower Garden Section of the Decorative Department took effect. The Department was under the late Mr. S. A. Pearce, Assistant Curator.

Stanley's war service started in November, 1940, when he joined the Royal Artillery. After his basic training he was posted to an anti-tank regiment and was soon on his way to the Middle East. Again to use his own phrasing—"It was during the trip out that I managed to spend some eighteen weeks at Cape Town. This gave me a good deal of time at Kirstenbosch Botanic Gardens with my old colleague, Harry Davies, but I was also able to visit the Caledon Wild Flower Reserve". After the Desert Campaign he returned to England, only to spend eighteen months in hospital with a kidney infection. He was discharged in February, 1946.

Our Vice-President returned to Kew as Foreman of the Orchid Section and in May, 1948, was appointed as Assistant Curator of the Decorative Department. Later in 1961, when Mr. Stenning was promoted to Curator, he took his place in the Tropical Department. Stanley retired from Kew in August, 1972.

Stanley's main hobbies are lecturing and photography, and in both fields he is well known. He has combined these two interests by showing his very comprehensive collection of transparencies to many societies, both near and far. He is also a flower, fruit and vegetable judge of considerable experience and for many years he has helped with the judging of the Kew Photographic Competition. Many Kewites are proud owners of the prize which he kindly donated to this society. Connected with this photographic interest, he was awarded the A.R.P.S. in June,

1953—as far as we know only two Kewites hold this distinction, the other being Mr. Frank Ballard.

We wish him many years of happy retirement with his wife, Peggy. They have two sons, David and Philip.

#### ANNUAL GENERAL MEETING OF THE KEW GUILD, 1972

Once again the day of the A.G.M. dawned sunny. In all 46 members gathered in the Jodrell Lecture Theatre on Saturday, 23rd September. The President, Mr. F. H. Eul, took the chair, with the Hon. Treasurer, Mr. J. Hale, the Hon. Editor, Mr. G. E. Brown, the Hon. Secretary, Mr. F. N. Hepper, and the President-Elect, Mr. J. P. M. Brennan, who after election as President took the retiring President's place.

Since the last meeting the following members had died: Miss N. L. Alcock (1918), Mr. G. Andrews (1922), Mr. E. G. Beatty (1905), Mr. G. A. Billström (1929), Mr. G. Kemish (1956), Dr. J. Hutchinson (retired from staff 1948), Mr. R. C. McMillan (1928), Mr. R. H. Mason (1933), Mr. S. A. Pearce (retired from staff 1968), Mr. W. D. H. Prior (1961), Mr. J. Robbie (1927), Miss E. M. Wakefield (1951) and Capt. J. C. Wallace (1912). All those present stood in respect of the memory of these Kewites.

Apologies for absence had been received from the members.

The minutes of the last A.G.M. were adopted and there were no matters arising.

The Committee reported as follows:—

The Hon. Treasurer gave a report on the satisfactory financial state of the Guild, but commented that this was only due to spontaneous donations, since expenditure was rising rapidly, and the next meeting would need to consider raising the annual subscription. Plentiful stocks of ties and scarves were held as they still were popular, but with the sale of the last pair of Guild cuff-links and car badges, they would be discontinued owing to greatly increased quotations. Membership was 737, comprising 248 life members, 455 ordinary members and 34 students. Mr. Storey and Mr. Prockter moved thanks to Mr. Hale for his excellent work.

The Hon. Editor spoke of his trials and tribulations over the production of the *Journal*, with its eventual publication on the day of the Dinner, so that those present received their copies at their tables! Mr. Warrington had helped nobly with its preparation and was willing to do so again.

A discussion concerning the future of the Guild collection of photographs concluded with a note to lodge them in the Herbarium, providing the title of the collection was retained by the Guild. They would thereby have the best housing to ensure their preservation. Mr. Ballard and Mr. Stevens proposed thanks to Mr. Brown.

The dinner was very successful and enjoyable, but it had incurred a loss of £22.18½ in spite of a record attendance. However, this had been offset by a £25 gift. A fuller report appears on pages 113-114.

Mr. Eul represented the Guild at the Students' Prize Day and reported on the excellent speech given by Prof. Bunting of Reading. The substance of it is reported on pages 118-122.

*Retiring Members of the Committee* were as follows: Messrs. J. Morris, A. P. Paterson, F. R. Ryder, A. D. Schilling and M. J. Whitehead with Mr. G. Pattison as Auditor. Mr. F. H. Eul and Mr. E. F. Coward also completed their term as President and Vice-President respectively.

*Election of Officers, Members of Committee and Auditors.* A ballot was taken for the second year in succession, and the names of those elected appear at the beginning of this *Journal*.

*Report on the Students' accommodation proposals.* The Secretary reported that there was some startling news via the Director. According to a letter received this month, the Ministry of Agriculture is now fully committed to the idea of providing official hostel accommodation. The Department of the Environment had accepted this some months before, but officials at lower levels seemed to be taking a lot of moving to find a site. Finance, as always, is the trouble, since costs had trebled within a year. At least it is taken out of the hands of the Guild.

*Any other business.* Mr. Brenan, as newly-elected President, took the opportunity to express his hope that Kewites visiting would link up with the present staff, and get to know the Gardens at this challenging time of redevelopment. He wanted to meet Kewites and offered them invitations to the Open Day in May.

After the meeting about 90 members and relatives met for tea in the services block in the Lower Nursery. Mr. John Simmons, Curator was presented with an engraved Armada sweet dish in silver, as a token of the Guild's gratitude for his work as Treasurer in reorganising the finances.

F. N. HEPPEL, *Hon. Secretary.*

### ANNUAL DINNER, 1972

The Annual Dinner was held on Tuesday, 23rd May, 1972, at the Refectory, Imperial College. Mr. F. H. Eul presided over a gathering of 173, which settled down to a meal of Prawn Cocktail, Crème Champignons, Croûtons, Chicken Kiev, Buttered Garden Peas, Broccoli Spears, Duchesse Potatoes, Pêches Melba, and Coffee. The meal proved to be excellent and many were the favourable comments, in particular for Mr. and Mrs. Woodhams, who had done so much to arrange this successful function.

After the Royal Toast had been proposed, Mr. P. F. McCormack introduced the President, describing his great work as Director of Bexley Parks Department, and as a prominent member of such important bodies as the Institute of Parks and Recreation Administration. Mr. Eul responding to the toast of President, gave his audience some indication of the broad and deep interest which he has in the public parks profession, and in the world of education.



The toast of the Kew Guild was responded to by the Director of Kew, Professor J. Heslop-Harrison. In a very informative speech the Director ranged over a wide field which was related to Kew and the future. It is difficult to select any points which stand out from the remainder without throwing the whole out of context. To many however, one section must have stood out very clearly—it was when the Professor explained the need for the horticulturist of the future to bridge the gap between the scientist and research worker, and the purely practical man.

The toast of our guests was proposed by Mr. M. J. Whitehead (3rd year Student Gardener), the response being made by Mr. J. R. Evison, Director of Parks and Gardens, Brighton.

After the formal part of the occasion the assembly broke up into groups, to have a further chat, meeting old friends and making new ones.

### THE STUDENTS' UNION

1972 will be remembered as a year of internal changes within the Union. The social life of the Students is now organised by a Social Committee, rather than just a Secretary, to ease the burden from one person's shoulders. The educational life goes on as in previous years however and there is general satisfaction over the way the block release courses work. I am sure that there will be continued co-operation between the Union and the Studies Department.

More encouraging news comes from the Ministry concerning accommodation for the Students, and we understand that plans are in hand for a hostel for 20 people, and that there is a possibility that one of the properties in the Gardens is to be converted. The Secretary for domestic information has mentioned elsewhere the problems we have over housing, and I echo his plea for the continued support of the Kew Guild in this direction.

Our thanks are due to Robin Bletsoe, our President, for the last two years for all the hard work he has put into our affairs, and his success can be measured in terms of the Union's greater sense of purpose and unity. Finally, I extend our thanks to Mr. Shaw, now Curator of Edinburgh, for all his help and efforts over the past few years, and we all wish him success in Edinburgh.

R. HUGHES, *President, Students' Union.*

*Treasurer's Report.* Unfortunately price increases have affected the Students' Union no less than everyone else, and regrettably we have had to increase the subscription rate to £2.00 per annum, which means that members now pay nearly 17p a month to the Union.

High finances, freezes, booms and the like have little relevance in our everyday thinking. Inflation does however affect the prices we pay to maintain our clubs; some of which need direct financial support from

the Union, and some of which may be more or less self-supporting. Secretaries have had to accept the fact that certain economies will be necessary.

My thanks are due to Bob Hughes and to the Executive for helping to draw up a programme which will I hope prove more equitable than in the past, and which will enable us to provide for future members as well as the present ones.

D. PERHAM, *Treasurer*.

*Domestic Information.* This year has again seen a worsening of the accommodation situation and it was only with the greatest difficulty that the new intake of Students were found suitable lodgings. This was in spite of greatly increased efforts on our part involving the delivery of some 2,000 letters in the Kew area, and then placing an advertisement in local newspapers and newsagents' windows.

The average cost of suitable accommodation has increased by 60 per cent over the last two years, and the provision of some form of suitable hostel has become a matter of the greatest urgency. I would like to thank the Guild for their interest in the provision of a Students' Hostel and I hope that they will continue to exert all their influence upon the Ministry until the Hostel is a reality.

THOMAS WATT, *Secretary*.

## SOCIETIES AND CLUBS

*Kew Christian Fellowship.* The committee elected in October 1972 has already proved to be of the greatest value in organising our activities. On the 30th November we had a showing of the film "Voice of the Deep" in the Lecture Theatre, which was followed by refreshments. There was an attendance of 45. Our thanks must be given to the members of the last committee who worked so hard on our behalf, and particularly to the Secretary. We thank Mr. V. G. Hammond of the W.C.F. who visited us last February, and Mr. Pronger, the Vicar of St. Anne's, for allowing us to use his Vestry for our meetings. Last, but by no means least, I would like to thank all our members for their support in our efforts to understand the message of the scriptures.

J. HACKER, *Secretary*.

*Kew Mutual Improvement Society, 1972/73.* During this session the Society celebrates 101 years of existence. Weekly attendance figures average over seventy per meeting, and there is no doubt that the "Mutual" maintains its position. The cost of membership, I am happy to say, has remained unchanged at 25p since 1961. Our current lecture programme has a distinctly international flavour, with contributors from Australia, Japan, Argentina, Iran and the U.S.A. With Britain a part of the E.E.C. one hopes for greater contact with our new partners.

Our social events have included a party in the Herbarium and a disco-dance in the Lower Nursery in early January (1973). The Inter-College Quiz was well supported. Teams from Wisley, Merrist Wood, and Kew

battled sportingly with a barrage of questions from Professor Heslop-Harrison, whilst the fourth team consisting of Kew's most notorious characters battled (hilariously) against everybody. Wisley won the trophy for the second year in succession.

My thanks are due to everyone who has helped to make this season such a great success.

CLIVE BULMER, *Chairman.*

## ATHLETICS

### *Civil Service Sports Day*

The annual sports were held on the 22nd June and Kew was well represented. Our team enjoyed a couple of good tugs before biting the dust, and our two soccer teams each won their first match and then succumbed to teams better able to control the ball in the very windy conditions. On the track Roger Holmes powered his way into second place in the 880 yards Final, and Roger Holmes, Robin Bletsoe and David Cumming ran with great cunning in the mile only narrowly avoiding a placing. The day was an unqualified success for competitors and spectators.

G. W. A. CHALMERS, *Secretary.*

### *Kew/Wisley Race*

Possibly the last Kew/Wisley road race was held on the 11th March from Wisley. Eleven teams took part, and for most of the way fought strong winds. The pace was not a slow one considering the conditions, and some very good individual times were clocked.

The Kew Guild were always in the race with a chance to win, and were finally beaten into second place by the Somerset Institute, who won by a mere 16 secs. The Royal Gardens at Windsor clocked up a leisurely 121 mins. 40 secs. to come third. The Somerset time was 120 mins. 26 secs.

The Director of Kew, Professor J. Heslop-Harrison, presented the prizes at the dance which followed.

### *Clog and Apron Race*

This was held on the 25th October. Mr. Brenan, the Deputy Director, started this year's race in the gathering gloom of this October day, and fifteen runners hurtled up the Broad Walk. Past the Turkey Oak stamina began to be the telling factor, and until the last forty yards it looked as though Pamela Holt was going to win. At this stage a game spurt by Tim Du Val took him past Miss Holt, and he was home first in 55 secs. Miss Holt clocked 58 secs., and Bob Ivison and Sandy Chalmers tied for third place with 59 secs. They were seen to slink off, faintly embarrassed, into the night.

### *Round-the-Gardens Race*

This was held on the 1st November. Dr. Heslop-Harrison started the race from the Orangery on this bleak evening, and within a few yards the loping figure of Robin Bletsoe took the lead followed closely by the pack. Fifteen minutes and forty-two seconds later the small gathering

welcomed Robin Bletsoe through the tape. He appeared almost ready to start off again. Sandy Chalmers appeared after 15 mins. 54 secs. and Bob Ivison in 16 mins. 05 secs.—fast times in view of the extended course through the Queen's Cottage Grounds. At one point it was feared that some of the runners were lost, and search parties were hastily organised. I am happy to record however that our fears were groundless and that they eventually tottered home in the arms of the night constable.

The awards for the Clog and Apron Race and the Round-the-Gardens Race were presented by the Curator at the Students' Review on the 16th December.

G. W. A. CHALMERS, *Secretary.*

### STAFF TRAINING AT KEW

October 1972 saw the start of a much-awaited improvement in the provision of greater staff training facilities at the Gardens. Over the last two years, Mr. B. Halliwell on his own and later with the help of M. J. Warrington and others had begun a programme of staff instruction and training. This training was carried out mainly outside working hours, when practical demonstrations, identification tests and some lectures were held. These gradually increased in scope and quality but had been entirely voluntary in terms of staff attendance.

In October 1972 a more comprehensive staff training programme got under way under the guidance of Mr. Alan Titchmarsh, with overall responsibility lying with Mr. Halliwell up to December, 1972. From January 1st, 1973, Mr. L. Pemberton took over this responsibility. Not only are regular induction courses held for all new members of staff, but also monthly training periods of one whole day on each occasion at three different levels. These training courses are in addition to the release of those younger employees who attend day release classes in horticulture at Norwood Hall and Merrist Wood, etc., together with general education subjects. In addition a limited number started a NEBSS course run at Isleworth Technical College. (The course in supervision is examined by the National Examination Board of Supervisory Studies).

The internal courses consist not only of walk-rounds, identification tests, demonstrations by Garden Supervisors and others, but also lectures by the scientific staff and external people. So far as can be seen, the scheme is working very well and with the recent local Government Training Board recommendations will obviously become of increasing importance in the acquisition of skill and knowledge for all gardening staff and should also improve the morale of all those connected with the scheme.

L. PEMBERTON, *Supervisor of Studies.*

## PRESENTATION OF KEW DIPLOMAS AND PRIZES, 1972

This important ceremony was held on Friday, 22nd September, at 3 p.m. in the Lecture Theatre of the Jodrell Laboratory. The presentations were made by Professor A. H. Bunting, M.Sc. D.Phil. The Kew Guild was represented by the President, Mr. F. H. Eul.

The Director, Professor J. Heslop-Harrison, introduced Professor Bunting as one of Britain's most distinguished academics in the field of agriculture, horticulture and applied botany. He described his career which led to his present appointment as Professor-Elect of Agricultural Development Overseas. Professor Bunting, he recalled, was educated in South Africa and took his doctorate degree in Oxford. Thereafter he held several posts in Britain. He served as a chemist at Rothamsted for a period after the war, and subsequently was associated with the Overseas Food Development Corporation, spending a period in the Sudan as a Senior Research Associate with the Sudanese Government. Following this overseas appointment, Professor Bunting came back to Reading University to assume the Chair of Agricultural Botany. His combination of good sense, drive and administrative competence were soon recognised by his election to the Deanship of the Faculty of Agriculture; this office he discharged with distinction and very good effect for some six years. He is now about to move to a new appointment and one which admirably fits his talents and experience.

Professor Bunting, on being invited to speak before presenting the Diplomas, began by describing his first visit to Kew. Referring to the magnificent Library, he recalled a Victorian work he found therein which advised that botany was a suitable diversion for clergymen and young ladies. Denying the validity of this view, he stressed the central importance of the plant sciences in the modern world both in the production of food and commodities, and in helping to improve and diversify the environment. He laid great stress upon the importance for botanical research of competence and skill in the growing of plants in a period "in which more and more of the excitement of front-line work in research institutes and universities is moving to the level of the cell, and to structures which are even smaller and more difficult to handle than cells". Continuing, he said, "It is necessary to remember that a key condition for all botanical research work is to be able to grow the plants. I have often wondered just what would happen if the ability to take a plant and rear it from seed to healthy maturity were made part of the Final Honours' Examinations in university courses in botany. I suspect that the number of first-class degrees awarded might be distinctly less than at present. This to me is something more than a cynical jest. I might quote the work of certain laboratory geneticists who talk about 'lethality' in their cultures. This means that some plants die. Now 'lethality', when analysed, is often the result of putting tiny little seedlings in pots of the wrong size, with either too much or too little water. No doubt you at Kew can cope with this very well, but not

always the geneticist who frequently puts the moribund plants aside, scoring them as dead. The technique and skills of handling plants form quite a serious problem for certain kinds of botanical research. One feels that sometimes the intuitive sympathy for plants, and an understanding of what is wrong and what is right and what they need, is missing. I cannot but believe that botany would be better if more botanists knew how to grow their own material."

Turning to wider issues, Professor Bunting said that "in spite of all that one reads in the Press, there is only one real problem of the developing world, and that is poverty. It is often overlooked that the average income for people in the developing world is around £50 a year, and even this figure may be a little high. The average in the advanced countries is £500 and above, so there is a 10-fold factor of difference, and this is the centre of the problem. The difficulties of the developing world are all associated with poverty and its consequences in malnutrition and early death. Fortunately," he noted, "some progress is being made, but ironically this leads to still further demands because it results in world population growth, as people live longer."

Professor Bunting went on: "It is important to remember that the greater part of the population in the developing world depends directly on plants for a livelihood, and indeed for survival. As an example, about 85 per cent of the population of India depends only on agriculture, and has no other means of survival. So the problem that we are faced with is that in spite of the other things that need to be done, the increase in the output of food in agriculture is the most important. There is no doubt that applied botany will occupy a central position in this effort. The cause of poverty in agricultural societies is the inability of unimproved farm technology to do its job, and this is where the botanist can help. However, some caution is necessary. It is very easy for a research worker with a tractor and plenty of labour to devise a new method of growing maize which will yield ten times more crop than the peasants get on the other side of the fence. His instructions to the peasant must be practical, with a direct application. It is essential that we give this part of our work more consideration, but we are making progress. Five years ago people threw up their hands in horror about the world food problem; today, with very many more people in the world, we are rather less concerned than we were. In some parts of the developing world there are unconsumable surpluses. Canada has had to halve her wheat production because of the increases in India, Thailand and Burma; a 'green revolution' has in fact taken place in South Asia. In other words, over the last 30 years we have had a major impact through the work of applied botanists, and have increased the supplies of food in this part of the developing world. This 'green revolution' is no figment of the imagination. It has developed at a fast rate, and many of the human and social adjustments that should go with it have not yet been made."

Notwithstanding the success of cereal breeding, Professor Bunting warned against too much concentration in this area, pointing out that

botanists have many more things to do than increase the supply of grains. He stressed the importance of other food crops and plant commodities and of animal feeding stuffs. He continued: "As I go through the list of things the botanist has to do, you will see that I am claiming for applied botany, and pure botany standing close beside it, a central place in the whole of the economic transformations which are going on in the developing world. Make no mistake, I am not telling you the things that ought to be done as some kind of prophet: I am doing very little more than describing what anyone can see for himself in the developing countries. But the process is not going fast enough. There are severe problems and difficulties. There are days when one feels despondent and optimism is not always justified at any particular place at any particular time, as events of recent weeks in a number of countries have shown. But by and large, things are improving and they give us all cause to believe in our competence and strength, and in the value of our professional training." Professor Bunting laid stress on the importance of producing food at prices which would be suitable for both producer and consumer. "Unless the botanist", he declared "can make sure that the produce he encourages the farmer to grow can in fact 'be sold off the farm' at realistic prices, he may as well go home and indulge in some more fundamental and less troublesome kind of research."

He stressed that production programmes must fall into line with the development and investment policy of the Government concerned, continuing: "The task of the botanist in these situations is far more complex and fascinating, for he has greater responsibility than simply to increase the supply of food. What I am presenting here is a picture of applied botany at the very centre of progressive planning and policy-making in developing countries. Britain plays a leading role in this field, for we have got not only technical knowledge but a certain amount of political and social experience which seems to pay off better than the corresponding expertise of some other countries. We can rely on the great strength of our practical agricultural and horticultural science, as well as on our research. People tend to forget that useful science means not only research and teaching but the associated area of practice. We could call upon long experience here, and with sense this can be transferred to developing countries." Professor Bunting commented on the part which Kew was playing and on the great value to overseas workers of the collections here. He mentioned the value of the taxonomic work, and as an example of this the contribution which Dr. Verdcourt had made with his work on *Phaseolus* and *Vigna* species. The scientist, he stressed, can only work with properly identified material.

Professor Bunting concluded a most valuable and enlightening speech with the words: "Well, Director, you will have gathered that I think pretty well of your institution. I congratulate your students who are graduating today. They are heirs to a splendid tradition, and they have received a training which will enable them to continue it. I would like to congratulate them as I shall hope to do individually very soon. Thank you all for what you have done."

Professor Bunting then presented the prizes as follows :--

*Kew Diplomas* were awarded to the following : Honours : R. Bletsoe and K. Eccleston ; Credit : J. Cox, Mrs. E. Dunwood, J. Emerton, J. Harris, B. Phillips, T. Savage, A. Titchmarsh, D. Trevan and M. Whitehead ; Pass : P. Everett, T. Gilbert and A. Herscovitch.

*Bentham-Moxon Trust.*

The following three prizes were awarded under the aegis of the Bentham-Moxon Trust :—

*The Ernest Thornton-Smith Travelling Scholarship* (Value £800).

This prize is presented jointly by Mr. Ernest Thornton-Smith and the Thornton-Smith Young People's Trust under the auspices of the Worshipful Company of Gardeners (of which the late Mr. Thornton-Smith was Senior Past Master), to enable a Kew Student to travel to the Caribbean, Tropical South America or Australasia, for the purpose of enlarging his knowledge of the plants of these regions. It is awarded at the discretion of the Director, Royal Botanic Gardens. It was awarded to M. Whitehead.

*G. S. Johnson Memorial Prize.*

This prize, which consisted of a copy of the R.H.S. Gardeners' Dictionary, together with a cheque for £22, is presented from a fund administered by the Bentham-Moxon Trustees on behalf of the *Grower*. It was founded in memory of Mr. G. C. Johnson, a famous old Kewite who had the interest of Kew students very much at heart. It is awarded for the best overall performance on the Kew Diploma course and was won in 1972 by K. Eccleston.

*Kingdon-Ward Prize.*

In memory of the late Frank Kingdon-Ward, to whom gardeners owe a great debt for the contribution his plant-collecting expeditions made to British gardens. The prize was founded by his sister, Miss Winifred Kingdon-Ward, to provide a yearly prize of £10 to a Kew student-gardener for an essay on a horticultural subject. The prize was won by R. Bletsoe.

*Landsman, Bookshop Prize.*

This prize (value £2.10) is awarded for the best work on landscape design and garden construction. It was awarded to M. Whitehead.

*Sir Joseph Hooker Prize.*

Presented by Professor J. Heslop-Harrison, Director of the Royal Botanic Gardens, in memory of his famous predecessor, Sir Joseph Hooker, to the student who has done most for the Mutual Improvement Society. Won this year by W. Pursey and A. Titchmarsh.

*Kew Guild Prizes.*

The following prizes were presented by the Kew Guild :—

*Matilda Smith Memorial Prize.*

Awarded in memory of Matilda Smith, artist at Kew for many years, to the student, adjudged best at practical work. Won this year by T. Savage.



*Dümmer Memorial Prize.*

As part of their training, student gardeners are required to make a collection of properly dried, mounted and labelled specimens of the British flora. The prize for the best collection was awarded to T. Savage.

*Proudlock Prize.*

The runner-up for the best plant collection also receives a prize, and this was awarded to K. Eccleston.

*Prize for the Best Garden Plot.*

During the first year of the course, students are required to cultivate a garden plot. The prize for the best plot by a student finishing this year was awarded to K. Eccleston.

*Prize for the best individual study*

Student gardeners are required to carry out an individual study project during their course. The prize for the best one was awarded to B. Phillips.

*C. P. Raffill Prize.\**

Awarded in memory of C. P. Raffill, a former well-known Assistant Curator of the Royal Botanic Gardens, to the student giving the best paper to the Mutual Improvement Society. This was not awarded this year.

*Mutual Improvement Society.*

The Society awards the following prizes :—

*Mutual Improvement Society's Prize.\**

For the member who has taken the most active part in its discussions and debates. It was awarded to B. Phillips.

*Refund on N.D.H. Examination Fees.*

The Kew Guild refund the fees of successful N.D.H. finalists. Eligible this year was A. Paterson.

*The Metcalfe Cup.*

This cup, presented by Dr. C. R. Metcalfe, former Keeper of the Jodrell Laboratory, is awarded to the student with the best academic results in his second year. It was awarded to A. Paterson.

*Students Union Prize (Value £5.25).**Plant Identification Test, 1971-72.*

Prize for the best performance awarded to D. Trevan.

*Photographic Society.*

Mr. S. W. Rawlings, former Assistant Curator, kindly presents a prize for the best photographic effort by a Kew student gardener. It was awarded this year to B. Phillips.

\* The recipients of the three prizes starred, are chosen by ballot among the Mutual Improvement Society's members. (The Mutual Improvement Society is an association of students and staff which meets regularly to hear papers read by its members, and organises debates, visits and other activities to further their horticultural knowledge).

After the ceremony the gathering had a very pleasant tea in the Lower Nursery.

## WESTERN AUSTRALIA—THE FIRST TWELVE MONTHS

Why Australia? was the first query from friends and acquaintances when we told them of our impending retirement to the other side of the world and then, as a secondary reaction, came the assumption that we wished to be near our son and grandchildren who live in New South Wales. In point of fact this had very little to do with our decision, which had a different basis.

It had always been our intention to retire to my home county of Sussex and when the opportunity came, through Sir George Taylor, to take over the administration of the wonderful plant collection at Borde Hill we were more than pleased. In the event however, although the job was intensely interesting and satisfying, we failed to establish a local circle of congenial acquaintances and we depended entirely on the visits of old friends for any social life.

We were then forced to review our situation. It would be pleasant, we thought, to be near established friends, but they were so scattered and truth to tell we were a little apprehensive of a second false move. At one time we seriously thought of Devon, where we do indeed have a number of very good friends, but we were a little afraid of the damp climate with our inherent tendency to rheumatic complaints. Then we thought of Western Australia, which we had visited four years before, where we had a nucleus of good friends and where the climate, generally speaking, cannot be faulted. To us the idea also had an adventurous quality which made the project additionally attractive.

Having made the decision and faced the problem of cost, since of course we did not qualify for an assisted passage, we left England in November 1970.

We spent a month with our son in New South Wales, and then decided to cross the continent to Perth by coach. Our first stop was Melbourne where I had hoped to contact Percy Trevaskis who, as well as being an Old Kewite, was an old friend from my Aldenham days. Percy had generously entertained us on our previous visit four years before, but as it happened the coaches to Adelaide were overbooked and we had to take a plane right away. As a result of this we had two full days in Adelaide, a city we had not seen before so had time to explore and the pleasure of meeting Noël Lothian, who is Director of the Adelaide Botanic Gardens.

The journey by coach from Adelaide to Perth very effectively demonstrates the size of the Australian continent and the reason for the isolation of Western Australia from the Eastern States. After some hours of travel through areas of occasional cultivation and roughly cleared grazing came what seemed interminable stretches of desert with reddish soil and sparse grey vegetation.

The Eyre Highway follows the coastline westward for more than five hundred miles and then continues direct to the town of Norseman

when the coastline bears south-west towards Esperance. From Norseman the road turns north to Coolgardie which was, with Kalgoorlie some twenty-four miles to the north-east, an important gold mining centre for seventy years, but now, hoping for a revival because of the extensive nickel finding made locally in recent years. From Coolgardie we turned west through Southern Cross, Meredin and Northam in the West Australian Wheat Belt to Perth.

Western Australia is of course the largest state in Australia having an area of almost one million square miles, which makes it half the size of Europe and larger than India. The land surface of the state has been undisturbed by upheavals or submergence for ages and it is thought to be the most ancient land surface in the world. There are no really high mountains in Western Australia and the rainfall generally decreases with increasing distance from the coast so that the interior is a desert which has always created a physical barrier, not only to man, but to the interchange of plant species. This separation has doubtless contributed to the evolution of the many and unique wild flowers endemic to the various regions in the state but which are particularly numerous in the south-west corner.

The climate of Western Australia varies of course from the tropical north where most of the rainfall occurs in the summer months, to the temperate south with its winter rains. Perth itself enjoys what can perhaps be termed a Southern Mediterranean climate with its 35 inches of annual rainfall mainly in the winter. Summers here are long and dry, with temperatures that occasionally reach 100 degrees or more. While these extremes are uncomfortable and often damaging to plants when the high temperatures are accompanied by dry easterly winds from the interior, generally speaking the very low relative humidity and the almost dependable cool westerly breeze that occurs on summer afternoons, alleviates discomfort and recreates pleasant living conditions. The fact that the daily average sunshine in Perth throughout the year is eight hours makes it obvious that the spring and autumn are delightfully sunny and that the winter months must also have their quota, indeed in the first year I have recorded a minimum temperature of 42 degrees and only twelve days without sunshine.

Western Australian wildflowers are of course famous as a tourist attraction and certainly the spring display in many areas is not only spectacular, but to a horticulturist intensely interesting and challenging in the strange diversity of form and habit.

Already it has become apparent that the cultivation of these native plants, a large proportion of which appear to be of horticultural interest, is not easy. They do not, generally speaking, readily adapt to European garden conditions or practices, which perhaps explains the dominance of exotic plants in gardens in and around Perth. It is still difficult to understand why more easily grown Australian plants such as *Sollya*, *Chorizema* and *Prostanthera* are by no means common in gardens here.

There are however moves towards a better understanding of cultural needs, and the work initiated by Dr. Beard and the late Arthur Fairall in the marvellous King's Park, which is such an asset in the centre of Perth, will undoubtedly lead to their wide use. This seems particularly desirable in the extensive new suburbs to the north of the city where the "soil" is almost pure sand, demanding a daily application of water in the summer months to maintain the exotics which are most generally used in private houses.

In this relatively new country there are very few large private gardens and many of the public open spaces are not fully developed, so that it is understandable that with the climatic problems the practice of horticulture often remains unsophisticated and crude. The large Garden Centres which have sprung up in and around the city, with their attendant supply nurseries will eventually lead to a demand for choicer plants and an appreciation of the native flora.

As is perhaps to be expected, Kew men have been attracted to Western Australia. Though the 1970 *Journal* listed only two Old Kewites in the State there are in fact seven living in or around Perth. Ernst Wittwer, who was formerly in South Australia and has been in Perth for some years, is now Superintendent of King's Park where Tony Henshaw is Horticulturist. Colin Hart is with the Department of Agriculture in South Perth and Alec Richardson, who left Kew in 1931 and was "lost" for some years, owns a nursery in Osborne Park which is a district some four miles north from the centre of Perth and not very far from where my wife and I have settled. Ian Heughes, who was formerly with the Aldridge U.D.C. in Staffordshire, is now in charge of the parks in Fremantle and George Addison, who until 1959(?) was in Singapore, now lives at Darlington in the foothills of the Darling Range behind Perth.

Although we have not met as often as I would wish, the presence of so many Old Kewites adds to the feeling of security and friendliness that we have experienced since our arrival. Twelve months is of course a short time in which to form judgments, particularly of people, but we certainly have found friendliness here and not a trace of reticence, based on class consciousness, which was so evident in Sussex. The slight (and I would emphasise "slight") overtones of antipathy to "Pommies" which, with the rather hypercritical attitude towards Britain, can sometimes be detected in the press here, we have not felt personally at all and we feel at home in our chosen community.

GEORGE CATT (1929).

## VANDUSEN BOTANICAL GARDENS

The people of Vancouver are proud of their Public Parks. Sensitivity to the need for recreational space has been strongly featured since the founding of the City. The latest response to this need are the Vandusen Botanical Gardens.

In 1966, a group of interested citizens held meetings, discussing the need for a Botanical Garden in Vancouver. As a result, Dr. H. R.

Fletcher, the Regius Keeper of the Royal Botanic Garden, Edinburgh, was invited to Vancouver to study the proposed location. By all accounts he was enchanted by the site. Comprising of 55.5 acres of high land near the heart of the City, it commands impressive vistas and views with the coastal mountains beyond, and is within easy walking distance of Queen Elizabeth Park. The latter asset suggested a green-belt link, thus connecting the Botanical Garden with the famed Bloedel Conservatory, Quarry Garden, and Arboretum.

In January, 1971, an agreement was signed between the Government of British Columbia, the City of Vancouver, and the Vancouver Foundation, resulting in funds totalling three million dollars, being made available to purchase and develop the site. After purchase, the site was transferred to the Vancouver Park Board, and planning instituted by Superintendent S. S. Lefeaux and Deputy Superintendent W. L. Livingstone. The garden was named in honour of one of Vancouver's leading citizens, Mr. W. J. VanDusen, President of the Vancouver Foundation.

The basic concept for the garden is educational—to convey the joy in direct observation of growing plants. The garden will show the fascinating array of interrelationships within the Plant Kingdom and demonstrate the importance of these relationships in the maintenance of harmoniously balanced life systems, both environmental and personal. Aesthetic and utilitarian uses of plants will be featured. For example, landscaping demonstrations of small gardens and vegetable cultivation.

All age groups will be catered for, the very young in whom an awareness of the value of plant life is so vital for the future, the adults needing information on home gardening, and the senior citizen who must be encouraged to feel part of the "growing" community.

Another aspect of the gardens will be a testing and evaluation programme for cultivars and species new to the Vancouver area. With such a benign climate, the opportunities in this field are vast. This work will of course, be coupled with an advisory service to the public, providing information on plants and all manner of gardening problems.

The focal point of the gardens is a grouping of small lakes and rocky promontories, which provide a variety of environments for attractively arranged plant collections. Heather, heaths, and dwarf conifers will be featured, not only for their undoubted affinity with rockwork, but also because of their perfect scale relationship for modern landscape use.

A major rock garden of two to three acres is planned, incorporating a large display of alpine rhododendrons, forming a link with the large rhododendron collection at lower levels. Native alpine plants of British Columbia will have pride of place at the higher elevations of the rock garden.

Collections of the more important plant genera will be arranged in landscaped groupings throughout the site, or in special areas. Roses, magnolias, cherries, and *Cornus* among them, particularly the latter which include the floral emblem of British Columbia (*Cornus nuttallii*).

Planning is well underway for the Headquarters Building, to include facilities for horticultural meetings, indoor demonstration areas, a library, and laboratory.

The concept and the design for the gardens is the work of William Livingstone, Deputy Superintendent of Parks, well known to many Kewites. In this work he is assisted by Mr. Ernest Pitt, Director of Horticulture and Dan Matsushita, Landscape Architect. The result is an interesting and varied site, in style definitely within the English landscape school tradition. Rockwork is strongly featured in the garden, mainly basalt conglomerate and sandstone, worked into several interesting features, including an impressive glacial ravine and an equally impressive (and romantic) grotto. The rock construction is in the capable hands of Mr. Tom Brown.

With progress on schedule, the gardens will be opened to the public in 1975.

R. ROY FORSTER (1957), *Curator, VanDusen Gardens.*

#### HUGH RONALDS (1759-1833)—A FRIEND OF KEW

Hugh Ronalds, junior, was a most distinguished nurseryman of the early 19th century and the first pomologist to produce an illustrated book of apple cultivars grown in Britain.

He was born at Brentford—then the county town of Middlesex—on March 4th, 1759, the son of Hugh and Mary Ronalds. A year later, on March 7th, 1760, he was baptised with his brother John at Brentford Presbyterian Chapel, which was situated at Brentford Butts on the west side of the market square.

Ronalds and Son of Brentford were founded in 1728. Hugh Ronalds, senior, who was a nurseryman and seedsman at Brentford for over 50 years, died in 1787 (but according to his gravestone 1788) leaving a will proved in 1788 of which William Aiton (1731-1793), chief gardener at Kew Botanic Garden, was one of the executors. Hugh Ronalds, senior, was one of the founders of the present-day Brentford Congregational Church in Boston Manor Road, which was transferred from Brentford Butts in the late 18th century.

At the early age of 14 Hugh Ronalds, junior, was entrusted with considerable management of his father's nursery business at Brentford, and so began his famous career.

Like his father, he was a friend of William Aiton and supplied Kew Gardens with barrows, brooms, horticultural implements, mats and stationery. On September 9th, 1784, he married Elizabeth Clark.

During his early botanical studies he formed a very large collection of dried plants chiefly collected from the botanic garden and arboretum at Kew with the aid of William Aiton and his son, William Townsend Aiton (1766-1849).

His main nursery is shown on a map of Ealing and Brentford dated 1822 at the top of Windmill Lane (now Windmill Road), where today is Northfields Recreation Ground. The eastern side was bounded by Northfields Lane (now Northfields Avenue); on the west was Boston Farm and the southern border is now known as Swyncombe Avenue. Although he specialised in apple growing his nurseries catered for all needs.

His first published paper was an excellent treatise on thirteen different broccoli cultivars in the *Transactions of the Horticultural Society in London* (1819).

A visit to Ronalds's nursery on October 27th, 1829, is described by John Claudius Loudon in his *Gardeners' Magazine*. Incredible as it may seem Ronalds then had over 300 apple cultivars, all of which had borne fruits for several years. The party actually saw specimens of nearly 280 different apples arranged and labelled in Ronalds's fruit-room, his summer apples having decayed.

Ronalds was then strongly urged to publish a selection of engravings and descriptions of apple cultivars as for several years he had studied them making descriptions of the blossoms, leaves, and fruit of each tree and notes on their hardiness or delicacy, time of ripening, individual character and habit.

Loudon was so greatly impressed by Ronalds' work that he added : "Mr. Ronalds's successful exertions afford another proof of what we have all along stated, that if the labours which the Horticultural Society have undertaken to perform in their own gardens had been given out to the nurserymen, to market-gardeners, and to gentlemen's gardeners around the metropolis, they would have been much more speedily and effectually performed. The Society might still have received things in their gardens from all quarters, giving them out to individuals who had undertaken to perform specific divisions of labour. The saving thus effected by the Society would have enabled them to publish the fruits at once, and in good style, as well as to give handsome premiums and high honours to the different co-operators . . . One nursery ever after would have been the fountain head for apples, another for pears . . . and so on. All the country nurseries would have had their stock plants from these nurseries; and all the Fellows of the Society, instead of [receiving] seven royal 4to volumes, price £39 13s. 6d. . . . would have had coloured engravings of all the best varieties of European fruits. From this standard work they would have given their orders, which, as far as means can be adapted to ends, would have been at every nursery correctly executed . . . Cont."

In 1831 his magnum opus *Pyrus Malus Brentfordiensis* was published, which gave a concise description of selected apples, each one beautifully illustrated with a lithograph by his daughter, Elizabeth. One hundred copies of this work were sold, many of which were bought by the nobility.

He dedicated his book to Hugh Percy, 3rd Duke of Northumberland (1785-1847), well known as the duke who had the conservatory built at Syon House from a design by Charles Fowler. For over fifty years Ronalds had received the patronage of all the dukes of Northumberland, so it was fitting that he should dedicate his book to one of them.

In alluding in his work to Thomas Andrew Knight's theory respecting the decay of species of fruits, Ronalds observes, "... that species as well as individuals of fruits have their periods of infancy, maturity, and old age; but the period at which they tend again to extinction is very difficult to determine."

Shortly before his death Ronalds was engaged with the assistance of his sons in planting the grounds at Kensal Green cemetery. Over fourteen thousand trees and shrubs from the nurseries at Brentford were used in this colossal undertaking.

Throughout his life he was, like his father, a nonconformist and closely associated with Boston Road Chapel, now called the Congregational Church, and its ministers.

He passed away on November 18th, 1833, in the same house in which he was born, greatly missed by his relatives and friends, and was buried in St. Lawrence's churchyard on the southern side of the church.

I would like to thank Miss Winifred M. Heard, of Chiswick District Library and Miss E. D. Mercer, Head Archivist of the Greater London Record Office, for their helpful information.

JOHN L. GILBERT.

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### Curatorial and Supervisory Staff changes at Kew.

*(continued from page 107)*

The Decorative Department has lost some territory to the Herbaceous Department, but has expanded overall to include a new section. This is currently the Seed Unit, but as work transfers to the Gene Bank at Wakehurst, the staff at Kew will be retrained to become part of the new propagation unit to be centred in the Lower Nursery. Mr. H. Townsend is now in charge of this department, having been promoted as Assistant Curator from Supervisor at Wakehurst Place on the 9th October. One Supervisor has yet to be appointed.

The Tropical and Temperate Departments were reorganised a year or so ago, and the only current change is the loss of a Supervisory post from the Tropical Department, rendering the complement from four to three. Mr. J. F. Warrington, who was temporarily in charge of the Decorative Department, is now head of the Tropical Department. John was promoted from Supervisor to Assistant Curator on the 9th October.

The Technical Services Department with Mr. M. Dawes as Supervisor is directly under the control of Mr. Beyer, the Deputy Curator.



## NEWS FROM KEW

The Kew Mutual Improvement Society held a Centenary Party and Dance in the Lower Nursery Accommodation Building on the 10th January, 1972.

The Deputy Director and Keeper of the Herbarium and of course, President of the Kew Guild, Mr. J. P. M. Brenan, and the Deputy Keeper, Mr. P. S. Green, attended the Arnold Arboretum Centennial celebrations in May at Jamaica Plain and Cambridge, Massa. During the visit they met Bob Hebb (1968), Assistant Horticulturist, and Al Fordham (1937), Propagator, also Gordon De Wolf (1960), Horticulturist, who worked on the Flora of Tropical East Africa for several years at Kew.

The beautifully illuminated address from Kew to the Arnold Arboretum, which was presented at a ceremony, was painted by Miss Mary Grierson. The garland was composed of *Malus x arnoldiana*, *Forsythia 'Karl Sax'*, *Prunus sargentii* and *Metasequoia glyptostroboides*, all with particular associations with Arnold Aboretum.

A party of six students taking the M.Sc. course in Taxonomy at Reading University spent the 12th and 13th June in the Herbarium studying methods of working. They visited other parts of the Gardens from the 14th to 16th June.

Her Royal Highness, The Grand Duchess of Luxembourg, toured Kew on the 14th June during the state visit to this country. Her Royal Highness was received by the Mayor of Richmond-upon-Thames. Dr. D. J. Neal, the Minister of State, Mr. Anthony Stodard, the Director, Professor J. Heslop-Harrison and his wife, Dr. Yolande Heslop-Harrison.

The sun chose the most fitting time to shine and the Gardens were at their best. Her Royal Highness is a knowledgeable horticulturist and has a large garden at the Palace of Calmar-Berg. She was particularly interested in a dwarf *Salix* in the Rock Garden and in the Palm House she took special note of the Cycads.

Wakehurst Place—Exciting developments are taking place within the Gardens which are under Tony Schilling, Assistant Curator, and with the move and establishment of the Plant Physiology Section of the Jodrell Laboratory and the Seed Unit at Wakehurst. This section is under Dr. Peter Thompson. We hope to include a full account in the next *Journal*. (In fact, so much is happening both at Kew and at Wakehurst that it is difficult keep pace with events).

On 22nd July Wakehurst Place was honoured by a visit from her Royal Highness, Princess Alice and her party. Fortunately the humid

weather of the morning had passed over and the afternoon was fine and sunny.

“During the routine naming of a batch of monocots, from Jordan, it was noted that the bulb on a specimen of *Pepoldi* pressed in 1967, was still alive! It has been potted up and is doing well—no doubt it thought the rains were a long time coming”—note from *Herbarium News* 28-7-72.

The B.B.C. Team “Down Your Way” visited Kew on the 26th July and took recordings from a number of staff. The broadcasts were on the 30th July and on the 2nd August.

Tree Root Survey—Dr. D. F. Cutler and G. E. Brown spoke at the Annual Conference on Arboriculture at the Merrist Wood Agricultural College when they launched the Kew Tree Root Survey. (*Gardeners' Chronicle*, September 1972.) Cards have been prepared on which information on the extent of spread of roots in various soils can be recorded. Some completed cards have already been returned and it is hoped that a publication will result which will be useful to tree specialists and all concerned with plantings near buildings.

During October the first of the new “Workshop” sessions was held. During the morning short papers were given by selected speakers on a particular topic of importance to the work at Kew. This was followed by a discussion on the chosen subject during the afternoon. A limited number of the Scientific and Gardens Staff take part in this. The first one dealt with Nomenclature, this being followed by one on Conservation in December.

A gold medal was awarded at the R.H.S. Show on 31st October to the exhibit on “The Genus *Crocus*”, mounted by Brian Mathew and Christine Brighton. The silver gilt Lindley Medal was awarded at the following show in November for an exhibit on plant collecting in Afghanistan mounted by Chris Grey-Wilson.

Extract from *Gardens News* No. 5 (13-12-72)—“Another slippery customer at Kew—during cleaning of the *Victoria amazonica* tank in House 10 (T range), an Eel (*Anguilla* sp.) was found. It was about 8 inches long.”

As in previous years, a wreath was prepared at Kew for the Secretary of State for Foreign and Commonwealth Affairs. This was laid on the Cenotaph at the Remembrance Sunday Service on behalf of the Dependent Territories. Each of the 18 Territories was represented by a native species. Among the subjects chosen were *Cattleya bowringiana* (British Honduras), *Ixora chinensis* (Hong Kong) and *Juniperus bermudiana* (Bermuda).

In the early part of the year the garden of Hanover House was incorporated in the grass layout along the east side of the Herbarium. This involved the removal of the boundary hedge and the clearance of undergrowth. Later in the year the flooring in the upper part of Hanover House was declared unsafe—the Typists Pool, which occupied the room concerned, was forced to make a very hurried evacuation!

The Director has equipped a Cell Physiology Laboratory in the annexe to 49 Kew Green. The work will be concerned with the cytochemical, physiological and fine-structural aspects of plant cells, particularly in relation to flowering plant reproduction, but extending also to differentiating systems in general.

An enquiry unit has been set up to relieve members of staff of the burden of dealing with the very considerable influx of trivial or routine enquiries which come into the Gardens daily. It has been functioning since November, 1971.

### THE REOPENING OF THE ORANGERY

By the late 1960's it was clear that the Orangery and the genus *Citrus* were not compatible; the oranges did not thrive and the building developed a severe case of dry rot. Eventually the tubs with their unhappy occupants were removed, and the building turned over to the contractors, who took off the plaster and injected the walls with fungicide. The infected woodwork was also removed, and new window frames made *in situ*. The windows were replaced, the walls replastered and the building repainted in Wedgewood colours. The ceiling is now dark blue (which makes it seem lower) and the walls silver grey with light blue window recesses and white woodwork.

While this work was going on the future use of the building had to be decided. It was obviously not suitable for plants, but what could it be used for? A restaurant? An exhibition area? or what? There it stood, apparently a beautiful white elephant. In the autumn of 1971 the Director decided that the Orangery should be used as an exhibition area and the Educational Display Sub-Committee were given the task of getting it ready by May, 1972. This committee consists of two members from each department and was originally instituted to put up temporary exhibits in the South Octagon of the Temperate House. These exhibits involved using living plants in conjunction with museum-type information and display techniques.

It was decided that the Orangery should be divided into four sections: an orientation area, showing the work of various departments of the Gardens; a central area for temporary exhibits of the kind which

had been so successful in the South Octagon ; a bookstall, with a larger selection of material than had hitherto been available at Kew ; and a picture gallery which would show selections of pictures from the Gardens collections, both of botanical art and of those charming prints which for many years have been on loan to Kew Palace, but which had recently been returned to the Library.

The layout and design of the interior was the work of the Museums' Exhibition Officer, Pat Reid, and large though the Orangery may be, he found he had to get a quart in a pint pot. In addition to having to get a great deal into the building, we were not allowed to alter the structure in any way, because of its great historical and architectural importance. As if that were not enough, there was the need to eliminate as much daylight as possible from the art gallery section, daylight being extremely bad for watercolour drawings. In the event, it was decided to roof over the Orientation and Art Gallery areas with fibreglass hexagons, upon which the display panels depended. This meant that winding pathways could be made which added to the visual interest. The centre section was kept open for the temporary exhibits and the Bookstall attached to the Art Gallery and roofed over with two hexagons.

All the constructional work except for the temporary exhibits, was done by TVA at Tolworth, but all the exhibits were done by the Museums staff with, in the last few, frantic weeks, help from people in all the departments, especially the Technical Services section, without whom we should have been lost.

Each department provided the basic text and photographs for their section of the Orientation Area, which started with a couple of panels on the history of Kew, followed by sections on the work of the Gardens, the Cell Physiology Laboratory, the Jodrell, the Museums and the Herbarium.

In the centre of the building the main temporary exhibit was on weeds, for the simple reason that the Educational Display Sub-Committee had already decided to have that for their next exhibit in the South Octagon, which was not now to be used for exhibition work. In addition, there was an exhibit on pollen and its role in hay fever. The Art Gallery showed a collection of very fine nineteenth century Belgian watercolour drawings of Bromeliads as well as some of the prints of eighteenth century Kew.

The Orangery was reopened by the Permanent Secretary to the Ministry of Agriculture, Sir Basil Engholm, K.C.B., on Friday, 8th May, and has been a great success both with the public and those members of the staff who have visitors to show around—it tells them about the work of the Gardens more or less in a nutshell.

Since last May, the weed exhibit has been replaced by one on growing orchids from seed and that will be followed in April 1973 by one on

succulents. The Art Gallery is also being redone and the next exhibit there will be on scanning electron microscope photographs—from the aesthetic point of view. As far as the Orientation Area is concerned, one section will be redone each winter and this year it is the turn of the Herbarium.

The Orangery was handed back to the Museums Department after the reopening and a lapse of some fifteen years. This enabled us to move the workshop to the Orangery Annexe, a much better site for it than No. 11 Museum. We are very glad to have the building back in the department and will challenge anyone who dares to say it is a white elephant, though we agree it is beautiful!

ROSEMARY ANGEL.

#### NOTES ON THE BIRDS RECORDED IN THE GARDENS AND THE VICINITY, 1972

**Blackbird**—Is a common breeder. **Blackcap**—Has increased as a migrant. **Chaffinch**—Breeds in small numbers. **Chiffchaff**—Two birds have been heard singing in the Bamboo Garden and Rhododendron Dell. **Coot**—These breed and are too common, as they attack ducklings. **Cormorant**—One to ten often seen on tree by the river bank of Syon House grounds. **Creepers, Tree**—These have been seen and heard on many occasions. One pair with five young were seen in June by the Lake. **Crow, Carrion**—These birds are too common, attacking many young ducklings. **Cuckoo**—This was heard on the 1st and 6th April. **Dove, Collared**—One seen and heard by Brentford Gate. **Duck, Tufted**—These breed, but a considerable number are lost before they reach maturity. **Finch, Bull**—Well distributed and breeds. **Finch, Gold**—These bred and the young were seen being fed in the herbaceous borders. **Finch, Green**—Breeds but is decreasing in numbers. **Finch, Haw**—Pair seen in the spring, but no evidence of breeding. **Flycatcher, Spotted**—Breeds. **Goldcrest**—Breeds and young seen being fed. **Goose, Canada**—Bred, but the eggs are taken in order to reduce the numbers. **Grebe, Little**—At least two pairs bred. **Gull, Black-Headed**—Common on the Palm House Pond during the winter. **Gull, Common**—Seen in small numbers during the winter. **Gull, Herring**—Occasionally seen on the Palm House Pond. **Gull, British Lesser Black-headed**—One or two seen in the spring and in early winter on the Palm House Pond. **Heron**—As many as 20 have been seen at one time on the foreshore by Syon House Park. **Jackdaw**—One seen flying over the gardens in March. **Jay**—These breed. Fourteen seen in the Queen's Cottage Grounds in early February. **Kestrel**—Breeds, usually in the vicinity of the Queen's Cottage Grounds. **Kingfisher**—One pair seen over the Lake. Attempted to breed in Queen's Cottage Grounds, but abandoned site. **Lapwing**—Six seen flying over during October. **Linnet**—Five roosting in the holly hedge by

the Rose Garden. One pair seen in the Rose Garden during April. **Magpie**—Bred in the Queen's Cottage Grounds. **Mallard**—A common bird on the Palm House Pond and Lake. **Martin, House**—Seen in the spring and summer over the Lake in fairly large numbers. Breeds in Kew and Richmond. **Martin, Sand**—Odd birds seen with swallows and house martins in the spring. **Nuthatch**—Breeds and is fairly well distributed. **Owl, Little**—One pair in the vicinity of Oxenhouse Gate. **Owl, Tawny**—Breeds and is fairly common. **Pheasant, Common**—Breeds and is well distributed. **Pigeon**—Common bird. **Pochard, Common**—At least two pairs bred, but only one or two young ones reached maturity. **Redpoll**—Up to sixteen seen on Birch trees in Queen's Cottage Grounds in January and February on three occasions. **Redwing**—Twenty to twenty-five feeding on Holly berries by Lion Gate on 29th February, up to two hundred and fifty in Queen's Cottage Grounds on the following day, and approximately eighty flying over the Garden on 12th March. **Robin**—A common bird. **Sandpiper, Common**—One seen flying over the Lake in April. **Sparrow, Hedge**, and **Sparrow, House**—Common birds. **Sparrow, Tree**—Two seen in Queen's Cottage Grounds on 2nd November. **Siskin**—Thirty seen in Alders by the Lake on 20th January and six in the same area on 6th March. **Starling**—Breeds and is common. **Swallow**—Seen in small numbers over the Lake in the Spring. **Swift**—Often seen in the Gardens, but breeds in adjacent areas. **Teal**—One Drake seen on the 11th March. **Thrush, Mistle**—Breeds in small numbers. **Thrush, Song**—A common bird. **Tit, Blue**—A common bird. **Tit, Coal**—A fairly common bird. **Tit, Great**—A common bird. **Tit, Long-tailed**—At least three pairs have bred and numbers have increased owing to the mild weather in winter. **Warbler, Garden**—One heard singing behind the Stable Yard in May. **Warbler, Willow**—The numbers have decreased and only two or three birds heard singing. **Whitethroat, Lesser**—Not seen this year. **Woodcock**—Seen during summer evenings over the Rhododendron Dell. **Woodpecker, Great Spotted**—Possibly breeds in the Queen's Cottage Grounds. **Woodpecker, Green**—Mostly in the area of the Golf Course. **Woodpecker, Lesser Spotted**—Possibly breeds, seen and heard several times. **Wren**—Is a common bird.

Contributed by Mr. A. F. Mitchell, Official Bird Watcher.

#### NOTES AND GLEANINGS

Ari Armony (1964) wrote in during early January 1973—"I was awarded a Degree of Sheffield University (M.A.) in 1971. We then left England after a long and a very enjoyable and memorable time for me and my family. I am working as the Landscape Architect Director of Ramat-Gans Park Department. There are now four Kewites in Israel, the others being—D. Ziedenberg (1939), R. C. Barnett (1962) and A. Herscovitch (1972).

Greg. Armstrong (1970) started his new post of Director of the Botanical Gardens at Smith College, Northampton, Mass., U.S.A., in March, 1971. It is a small botanic garden while the college is for liberal arts with an enrolment of 2,500 girls. "Bob Hebb, who is the Assistant Horticulturist at the Arnold Arboretum, is just a three-hour drive from here so I am able to visit them occasionally."

R. Balch (1939) retired from the position of Assistant Superintendent of Reserves in Dunedin, New Zealand. He owns several acres of hillside where he is planning a garden with his wife.

W. E. Bessler (1967) has a post with the Greater London Council at County Hall in the Town Development Division of the Architect's Department.

J. Beswick (1967) is Senior Landscape Architect to the Warrington Development Corporation. He is attending a Part-time Post Graduate Course at Manchester Polytechnic, having passed Part II of the I.L.A. Examinations. He is now studying for his finals.

John wrote in that he is now father of three—Alice Jane was born on 18th September, 1971. He ended his letter—"Job's good, interesting, overloaded with work but it's better than having nothing to do".

Robin Bletsoe (1972) has decided after his course at The Grotto, which started in January, 1973 and which finishes in December, 1973, to visit the United States. The aims of his visit will be to see, study and write about the American Cycads, both cultivated (Fairchild Botanic Garden, Florida) and in the wild. This will assist in the eventual publication of his thesis/project. It is also his intention to study the amenity aspects of park lands in the Southern States, which may lead to a few articles in suitable publications. Robin will of course be interested in contacting any Old Kewites who may be in the area which he visits.

J. P. M. Brenan (Kew), President of the Kew Guild, was elected to the Fellowship of the Institute of Biology in April.

A. J. Brooks (1903). During the year we heard from Mr. Brooks—he wished to be remembered to all his old friends at Kew.

Graham Burgess, Supervisor, left Kew in 1972 to take the post of Director of Gardening of the John Lewis Partnership. He takes overall charge of its gardening at three centres—the Leckford Estate Ltd., Stockbridge, Hants, consisting of Longstock House and Park, 70 acres, 6 acres of water gardens; Leckford Abbas, 4 acres; ornamental tree

planting generally over the estate of 4,000 acres and an extensive commercial propagating unit—the Odney Estate, Cookham, Berks, consisting of a riverside club of 120 acres made up of a sports area with 20 acres of gardens—Brownsea Castle, Poole Harbour, Dorset, consisting of 5 acres of gardens.

He is responsible for policies on planting in the gardens, for propagation, for the development of commercial activities, for the control of expenditure and for landscaping round new buildings.

He was awarded a Winston Churchill Travelling Fellowship for 1972.

B. Carter (1959) kindly sent this account to keep us up to date on his movements—“From 1963 until 1969 I worked in the landscape division of the G.L.C. Parks Department, initiating and controlling landscape layout contracts to new housing developments. In 1969, seeing a new challenge, I joined a private organisation based in London, ‘Land Use Consultants’, whose multi-professional approach to environmental problems provided me with a particularly exciting and interesting outlet. I became a member of a small team working exclusively on what is perhaps the biggest single restorative operation of its kind—the Stoke-on-Trent Land Reclamation Programme. The scheme calls for the elimination of the extensive areas blighted by the workings of the major extractive industries, i.e. coal and marl. The giant heaps of colliery waste, the gaping water-filled holes following marl extraction, coupled with the decaying old mineral and passenger railway lines throughout the city, left Stoke-on-Trent with the biggest single legacy of derelict land in the country.

A comprehensive ten-year programme was drawn up, in which the former railway lines became connecting ‘Greenways’, linking up both the existing and new open spaces; thus providing a cohesive network throughout the city, and at the same time acting as secondary pedestrian and cycling routes, entirely free from traffic dangers. Bridle tracks are also proposed.

From a restorative point of view, the biggest problem is that of ensuring the successful growth of plant material on the colliery wastelands, and this, coupled with the limited financial resources available, has called for considerable analysis of suitable subject material. In essence, the aim is to re-introduce the local indigenous woodland comprising Oak, Ash, Sycamore and Wych Elm, supported by nurse trees such as Silver Birch and Alder. Understorey planting likewise comprises native plant material. The majority of the forestry planting is in the form of saplings planted at 6ft. centres. Since the inauguration of the reclamation programme in 1969, much expertise has been acquired and the results to date are distinctly encouraging.

In November, 1972, I returned to local authority work and my present appointment is Deputy Director of the Parks and Recreation



Department in Blackpool, Lancashire. Here my responsibility and the local problems associated with a maritime resort, call for a very different outlook. The experience I gained at Kew working among plants should stand me in good stead."

George Catt (1929) has been very active in his "pitch" in Western Australia. Mentioning the lunch which six Old Kewites had at the Kings Park Hotel (see J. A. Whitehill (1962) George wrote—"everyone appeared to enjoy the 'get together' and it leads me to hope for a closer relationship in the future". Members will welcome George's article "Western Australia—the first twelve months", appearing in this *Journal*.

Bob Chandler (1971) wrote in during April with the news that he is "Horticultural Clerk of Works" at Poole. His work entails the supervision of contracts, both by direct labour and by private contractors. He also has to liaise with the Landscape Department.

Yong-Fann-Chin (1968)—sent an attractive card to Mr. Pemberton. It has a view in colour of the Mac Ritchie Reservoir, Singapore, at dusk, with colourful sky and illuminations, with the fountain and bandstand. He wrote—"I got married in May of this year. My wife would like to visit England and especially Kew in the near future. Life in tropical Singapore can be very hectic."

In an earlier communication he wrote—"The Kew Diploma is indeed a most valuable piece of paper in this part of the world. In my work I deal directly with the Prime Minister and the President of Singapore. I have to maintain the Domain of Istana, the Buckingham Palace of Singapore, as the show-piece of the country. This most valuable piece of land in the heart of Singapore, covers an area of undulating acres. Among my other duties is the maintenance of the 14-acre garden and grounds of the Speaker's House."

George Chippendale, who replaced L. Pedley as Australian Liaison Botanist, started work at Kew in July. Mr. Chippendale is from the Forestry and Timber Bureau, Department of National Development, Canberra, and is particularly interested in the genus *Eucalyptus*. He has kindly arranged for seeds of selected forms of the hardier species to be sent to Kew for trial outside.

George Coombes (1915) writes that he has now moved from his old address, having been in the Nursery and Landscape business "for over 20 years."

Peter W. Dunwood (1972) has moved to Warrington Parks where he is a Bonus Assessor.

Mrs. Violet M. Danes (Bell) (1908) wrote in during June—"Many thanks for the *Kew Guild Journal*. I always enjoy reading it right through, although of course, after such a lapse of time, there are very few people that I knew during my treasured four years, working in the plant house during the First World War."

Miss M. Eady (1945) sent in with the news that she planned to visit New Zealand in January and February, 1973, to use her phrasing—"I intend to roam around the South Island in January and the North Island in February. If the opportunity arises I hope to contact some of the Kew Guild members who are in New Zealand." During the period of her stay she is joining an ornithological society on a camping and bird mapping trip in the Arthur's Park area and down the west coast.

Molly Eady now lives in Claydon House, Bletchley. She wrote—"The Gardens here must have been very fine when there were sufficient staff but most of the greenhouses have been taken down and the larger walled garden is now a commercial pear orchard. My charge is the walled rose garden and I have taken on the wall fruit in various parts of the garden and also look after some shrub and herbaceous borders that are the responsibility of the National Trust.

This last weekend a great friend from the Kew days, Mrs. Cooper (now Mrs. Jackson) was staying with me. We did a bit of—"Do you remember so and so ?—she was in the orchids or tropical pits". I was in the Orchid Show Houses and the Temperate and Filmy Ferns in those long ago days of 1943-45."

D. T. Ekanayaka (1955) has been appointed as Curator of the Royal Botanic Gardens, Peradeniya, in place of D. M. A. Jayaweera (1949) who has retired (*K.G.J.*, Vol. IX, No. LXXVI, 1971, p. 23).

R. Roy Forster (1957) was appointed to the position of Curator of the VanDusen Botanical Gardens in November. We welcome his article on this new garden which is under development by the Vancouver Board of Parks and Public Recreation.

E. V. Floto (1928). At our request, Ernst sent us the following details—"When I retired from the post of Curator of the University Botanic Garden, Copenhagen, on the 1st October, 1969, I had spent nearly 44 years there. After my practical training my horticultural studies continued at the Royal Veterinary and Agricultural College, Copenhagen, and in 1925 I passed as a graduate in horticulture. After two years in the Botanic Garden my studentship at Kew followed. My appointment as Assistant Curator in charge of the glasshouses at Copenhagen Botanic Garden followed in the spring of 1928 and six years later I was transferred to the outside department. My appointment as Curator took effect on the 1st January, 1956."

As a writer, examiner and traveller, Ernst Floto has led a very active life. In 1962 he was awarded the order Ridder of Dennebrog (Knight of D.).

Among the plant collections at Copenhagen is a wide representation of orchids from Thailand, collected by the Danish Ambassador, G. Seidenfaden and T. Smithinand (from Thailand). Copenhagen Botanic Garden is also well known for the Arctic Greenhouse which provides growing quarters for plants, mainly from Greenland, but collections from the Alps are included. The house is divided into four sections for temperature variations. During the winter from October till May the plants are stored at  $-5^{\circ}$  to  $-7^{\circ}$  C in a cellar under the house and are covered with two layers of plastic sheeting.

J. B. Gaggini (1963) at our request sent the following details of his work—"I commenced work for the Northampton Development Corporation on 1st July, 1971, and I am still employed by the same organisation. My job is that of Tree Nursery Manager and my prime task is to programme and produce 65,000 extra heavy standard trees over the next decade. Landscape construction and arboricultural work is undertaken during slack nursery periods. The trees and associated work is part of a 100,000 population expansion programme for Northampton."

John has his own part-time business as Horticultural Consultant, Journalist and Nurseryman. We are pleased to learn that he now adds N.Dip.Arbor. to his qualifications.

John Gilbert (Kew) has been awarded a prize by the Civil Service Further Education for his investigation of the History of Wansford and Stibbington (and Peterborough).

In an article in the *Coin Monthly*, June 1972, John has described the copper medalet of Queen Carlotte, consort of King George III, produced by the London medallist, John Kirk, in 1773. Among the illustrations is one of Kew Palace or the Dutch House, the home of the Royal Family for a number of years.

Miss Mary Grierson, our artist, who quickly carved a niche for herself in the gallery of great botanical artists retired in November. The numerous line drawings that adorn many papers in *Kew Bulletins* are only a part of her output, which includes many superb drawings in colour now enriching the Kew collections. The Naturalist Trust calendars and Christmas cards are well known popular examples. The Honorary Membership documents which were presented to the late Mr. S. A. Pearce and to Mr. R. Sealy in recognition of their services to the Guild were designed and painted by Mary Grierson. See p. 52 of *K.G.J.*, Vol. IX, No. LXXVI (1971) and Mr. G. Preston's retirement (p 144).

Mr. Hale of the British Museum Staff called at Kew during the Autumn to collect fronds of *Arundinaria nitida*. The material was used to provide a background to the Giant Panda exhibit.

It was processed in order to retain the colour, this consisting of laying in a bath of acetic acid and copper sulphate solution for one week, to allow the leaves to be completely permeated by the preparation. After washing in water the fronds were laid out on a bed of cold sand. A layer of hot sand was poured on this in order to effect a quick drying. It is expected that after such treatment the material will last for at least one year.

Christopher D. Hallsworth (1971) has taken up the post of Horticultural Officer with the London Borough of Havering, after completing a course of study at the Staff College of Park and Recreation Administration.

Professor J. Heslop-Harrison, the Director, was appointed a member of the Governing Body of the Plant Breeding Institute, Cambridge. Also, the Director has accepted an invitation to join the Board of Electors for the Professorship of Botany at Cambridge and Oxford.

Colin Hart (1966) has returned to this country after a four-year stay in Western Australia where he was Senior Government Floriculturist.

Professor R. E. Holttun was awarded the V.M.H. in December.

H. R. Horsfall (1958) was appointed Deputy Director of Parks and Recreation to the City of Edinburgh, commencing from the 20th November. His previous position, which he held for  $4\frac{1}{2}$  years was that of Deputy Parks Manager to the London Borough of Brent.

Peter Hunt (1971) wrote in August from the Department of Botany, University of Massachusetts—"I am in the U.S.A. for a month preparing an account of the orchids of Fiji, and, being undisturbed by telephone and visitors and memoranda and regular correspondence." Later he journeyed to Canada for the Conference of the International Union for the Conservation of Nature.

C. Jones (1923). We all wondered where Joney "had got to"—perhaps botanising on the way we thought? However, seriously, members will be sorry to learn that this very staunch supporter of Kew Guild functions had a break down with his car at Stamford, when on his way to the A.G.M. 72. He was forced to return by train without reaching Kew.

Dr. Keith Jones (Kew) was appointed a Visiting Professor at Queen Mary College, University of London, for the Academic Year 1972/3 in the first place.

J. E. M. Jones (1966). Since June, 1971, he has been working for a group of Landscape Consultants entitled "Land Design", who specialise in land modelling and large-scale works.

Gordon Johnson (1949) wrote in from Glasgow during the autumn—"I missed coming to this year's A.G.M. We were in the process of moving up to Glasgow where I have the post of Assistant Curator in the Botanic Gardens, joining Eric Curtis (1956), Curator, and Gerry Rodway (1951), Foreman. After 11 years of lecturing at the Cornwall Technical College, I wished to return to garden management. After a period as Landscape Manager I am delighted to return to Glasgow and to be amongst a good collection of plants again. I was in Glasgow as Foreman, working under Cyril Jones (1923) now retired to his football, cricket and gardening at Harrogate. Gerry is the orchid specialist and in addition to lecture tours is exhibiting photographs and judging at the National Orchid Conference."

Roger Johnson (1970) wrote in during August—"I have nearly finished my two years here (Capachin Tea Plantation), and will be leaving sometime in January, after we have picked our first tea. I intend to travel around Asia before returning to England, in time I hope for the Annual Dinner.

Malcolm Leppard (1971) spoke at the Mutual Improvement Society on 23rd October on "The Ernest Thornton-Smith Travel Scholarship". He recounted some of his experiences in tropical South America, as holder of this scholarship. We intend to publish an account of this in the next *Journal*.

P. F. McCormack (1936), Director of Parks and Gardens at Liverpool, was awarded the A.H.R.H.S. in December.

J. S. McCracken (1957) was appointed as Parks Superintendent of Aylesbury during the early part of the year. Upon leaving Kew he was employed in the parks of Hammersmith, Gunnersbury, Hornsey and Harringey. This was followed by a period of six years as Assistant Curator to Eric Curtis, the Curator of Glasgow Botanic Gardens.

J. A. McPherson (1924). The extract from an article which appeared in *The Star*, published in Christchurch, New Zealand, during October "The glory has just about departed for another year, but once again the spring display of daffodils in the Woodland has drawn thousands of people, both residents and visitors, to feast their eyes upon its beauty". James Anderson McPherson, 72, is now living at St. Andrew's Hospital, Glendowie, Auckland. It would be certain that the advent of spring turns his thoughts back to the days when he conceived the idea of the daffodil display which makes the Woodland the most popular part of the Botanic Gardens during that all-too-brief time when the golden blooms are out.

Mr. McPherson was Curator of the Christchurch Botanic Gardens between 1933 and 1945. During this period he designed many other new features and also set up a training scheme within the gardens.

Laurence C. R. Mills (1958). The following item appeared in one of the National papers in June—"Kew to Bangkok—When Prince Philip visits Bangkok's Bovarniwes Monastery today he will meet a 39-year-old monk whose quiet voice betrays a distinct London accent. The Bukkhu Khanti Palo, formerly Laurence Mills, is one of those Englishmen who have found spiritual fulfilment in the way of the East. Once a horticulturist at Kew Gardens, he turned to Buddha as a result of his National Service with the RASC abroad and has been a monk in Bangkok for ten years. Not surprisingly, on his last trip home to Hampstead in 1971, Mr. Mills found England 'an alien place'. His book, *Buddhism Explained*, will be presented to Prince Philip today."

Jim Mitchell (1966) wrote in during August—"I have settled down fairly quickly here in sunny Sydney. I spent a few months labouring for Sydney City Council, but eventually managed to get an appointment with the Electricity Commission of N.S.W. as Landscape Planner. I really enjoy the work, trying to heal up the industrial scars which have been created. I get ample opportunity to travel around and study the beautiful landscape. Never before have I had the opportunity to organise such planting schemes—90 per cent of my designs involve the use of indigenous species, including *Doryanthes excelsa*. This plant grows abundantly on the south coast of N.S.W. in the sheltered rain gullies.

My wife, Val, has also settled down and is very happy with the new way of life. We now have two children, Craig, 4 years, and Tanya, 2 years, who are more than a handful. We moved into this house which is 16 miles from the Harbour Bridge, a few months ago."

W. A. Mullins (Retirement). The following appeared in the *Herbarium News* last December—"It is with regret that we announce the retirement on the 8th December of Mr. W. A. Mullins, who for almost 25 years (with one short break in the Gardens), has lovingly tended the plants in the Herbarium Experimental Ground.

T. C. Muller (1956) has obtained an upper 2nd class B.Sc. honours degree in 1972 at Leeds University. His subjects were botany and zoology. He is at present at the University of Salisbury, Rhodesia.

E. C. Neighbour (1957) is now Deputy Director of Manchester Parks Department.

Patrick A. Nutt (1953) sent in a card during September showing the Italian Water Garden at Longwood Gardens. He wrote—"We are as busy as ever, training programmes galore! Fortunately the hurricane

"Agnes" did not damage us too badly. We are up to about 1,100 feet above sea-level and so escaped serious flooding."

Joel A. Obi (1960) of the Federal Agricultural Research Organisation has written in recently. For six years he has been out of contact as he had to flee to Eastern Nigeria during the Civil War. Although he escaped with his life, all his belongings were destroyed, and even his life savings were rendered valueless. Now he is making a rapid recovery and is back in his old job.

R. A. Paterson (3rd year student, Kew) gained the N.D.H. in General Horticulture.

L. Pedley, the Australian Liaison Botanist, left for home in April 1972 and was replaced by George Chippendale.

George Preston, Assistant Curator of the Herbaceous and Alpine Department, who joined the Staff at Kew as a Student Gardener, retired on 30th June. He was presented with a painting of *Iris species* by Miss Mary Grierson. The following species were depicted—*I. florectin*, *I. albertii*, *I. longipetala*, *I. sibirica* var *praecox*, *I. tenax* and *I. hartwegii*. A full account of George's career will appear in the next *Journal*.

George (then at Kew) was awarded the A.H.R.H.S. in December 1971.

Noël Prockter (1937) and President-Elect retired from his post as Assistant Editor of *Amateur Gardening* on the 8th September, 1972. Noël is now working as a private Horticultural Consultant, Author and Journalist.

Stanley Rawlings, Assistant Curator of the Tropical Department retired on 18th August. He joined the staff as a Student Gardener. A full account of Stanley's career appears on page 111, as we are very fortunate to have him as Vice-President for 1972/73. His farewell present was a gold wrist watch.

Tom Risley (1958) was appointed a Director of Landscape Reclamation in the early part of the year. He was general manager of the firm and will continue in this post. After Kew and the College of the Institute of Parks and Recreation Administration, he spent a number of years with the Ministry of Transport, before taking up this specialised work. His firm specialises in landscape contract work upon sites where special difficulties are encountered, such as colliery reclamation sites, gravel and chalk extraction areas, reservoir surrounds and motorway margins.

T. A. Russell (1967) who was formerly a Principal Scientific Officer in the Old Department of Economic Botany at Kew has retired from his post in India and is now living in Cambridge.

R. Shaw (1971). On Friday, 30th June, Mr. Richard L. Shaw resigned from the post of Curator of the Royal Botanic Gardens, Kew, to take up the Curatorship of the Royal Botanic Garden at Edinburgh on 1st July. Mr. Shaw's horticultural career to date is outlined in the following details—

1944-47—War Service (Royal Navy); 1948—Started in commercial horticulture, at Winchester in Hampshire and at Scarborough in Yorkshire; 1950-51—Student at the Cannington Farm Institute; 1952-54—Student at the R.H.S. Gardens, Wisley; September 1954—Teacher in Rural Studies at Westbury, Wiltshire, for a very brief period; November 1954—Chargehand, Dutch Light Section, Studley, Warwickshire; April 1955—Botanical Foreman (under glass), R.B.G. Edinburgh; 1956—Gained the N.D.H. Final; October 1956—Botanical Foreman, Younger Botanic Gardens, Benmore; 1958—Assistant Curator, Younger Botanic Gardens, Benmore; August 1965—Assistant Curator, Wakehurst Place; June 1966—Curator, R.B.G., Kew.

When Mr. Shaw came to Wakehurst his knowledge and keenness, particularly with the genus *Rhododendron* (especially species), soon became apparent. His task at Wakehurst was a difficult but interesting one, as he was responsible for initiating the change-over from a large private establishment to a botanic garden. At Kew, whilst maintaining his interest in plants, he became increasingly aware of the importance of management and of good communications among the Gardens Staff. With the increasing need for automation and economy of labour, he made many essential changes in which he actively participated. His appreciation of high standards and good workmanship were very evident. Whilst at Kew he was a regular judge at the R.H.S. Shows and was a member of the Floral "B" Committee. In 1960 he was awarded the Wisley Medal by the R.H.S. He showed great keenness on sport, including football, cricket and tennis, being an active participant in the latter.

In 1957 Richard married Miss Cynthia Banger, who had studied horticulture at Swanley and Studley. They have two children, Margaret and Allison.

At a short ceremony in June, the Director, Professor J. Heslop-Harrison, presented on behalf of the Staff a projector and an album of photographs of Kew.

G. F. Smith (1968), who holds the post of Curator of the Pukeiti *Rhododendron* Trust in New Zealand, was home on leave for three months, earlier in the year. During this period he visited Kew. Mr. Smith is married with one child, Joanna.

G. E. Stones (1950) was on leave from the Philippines over the Christmas period. He wrote—"I have been in the Philippines since April 1971, and was recently made General Manager of Leaf Processors of the Philippines, Inc. This is a subsidiary company of Orient Leaf".



Miss Margaret Stones is no stranger to the botanical world and to many gardeners, both amateur and professional. Reproductions of her beautiful paintings are figured widely, for example, she is a regular contributor of illustrations in *Curtis's Botanical Magazine* and is the artist of *The Endemic Flora of Tasmania*, a folio-sized work appearing in parts (London, Ariel Press, 1967). Her work is represented in a number of American collections, including the contemporary botanical art collection at the Hunt Botanical Library in Pittsburg. Some of her later paintings include six original plant portraits of *Viburnum* species, and these are now in the collection of the Sterling Morton Library. This set of water colour drawings was commissioned in honour of the Arboretum's fiftieth anniversary. Among the plants finally chosen, there is a representative from each of the six major groups of *Viburnum* which can be grown in an area of the Norton Arboretum. Three of the species were provided by Kew—*Viburnum sargentii*, *V. farreri* and *V. lantana*. Two were provided by Wakehurst—*V. wrightii* and *V. plicatum* 'Mariesii'. The remaining specimen, *V. cassinoides*, was obtained from Hillier's Nursery.

Miss Stone works independently, her whole output being commissioned either by private individuals or by institutions such as Kew or the Royal Horticultural Society.

E. W. Studley (1930) has retired from his position as Director of Parks, Portsmouth.

John O. Taylor (1947) has been elected to the Committee of the Kew Guild as an overseas member. He gives news of a meeting and dinner which he organised for New Zealand Kewites, in Christchurch on 28th February, 1973. This dinner coincided with the 40th Annual Conference of the New Zealand Institute of Park and Recreation Administration and the 50th Jubilee Conference of the Royal New Zealand Institute of Horticulture. He is Conference Secretary for the latter function.

John is a full-time Lecturer at Lincoln College and has completed the initial year for the students taking the Diploma in Park and Recreation Administration. His position with his previous employer is that he is a consultant to their Horticultural Division and also remains a Director of the Company bearing his name.

Sir George Taylor, the previous Director, received the Honorary Degree of LL.D. from Dundee University in July.

S. B. Tennakoon (1957) is Assistant Curator of the Royal Botanic Gardens, Peradeniya.

Dr. Peter Thompson (Kew) was awarded on a personal basis Special Promotion to Senior Principal Scientific Officer in July.

David Waddell (1966). We heard from David in June and we quote from his letter—"I have left Benmore for Elmwood College where I am Head Gardener of the horticultural unit. We have 3,000 sq. ft. of glass, 20 acres of land and a small area in front of the College. Almost all of this is to be developed, so we will have plenty to think about within the next year or so. The college has been completely rebuilt with a new and expanded horticultural unit. It is an Agricultural and Technical College, equipped for agriculture, horticulture, engineering and all allied subjects. We have two full-time horticultural courses for pre-vocational and school-leaving students, and cover the N.C.H. and City and Guilds Examinations.

A. Whitehill (1962). We were all interested to learn that Tony intends to visit England in May 1973 and is staying for about three months. He wrote early this year—"In my capacity as Tree Advisory Officer at the Adelaide Botanic Garden, I have been serving on a committee which deals with the rehabilitation of areas used by extractive industries. Recently the Government has set up a scheme to provide funds for this work. Because of my connection with this work and the Botanic Garden I have been awarded a Churchill Fellowship for 1973. I intend to pay a brief visit to New Zealand, to study street tree problems in California and to see the Butchard Garden in Vancouver in addition. I will be having some free time in London and, of course, intend to visit Kew, and if possible the Dinner."

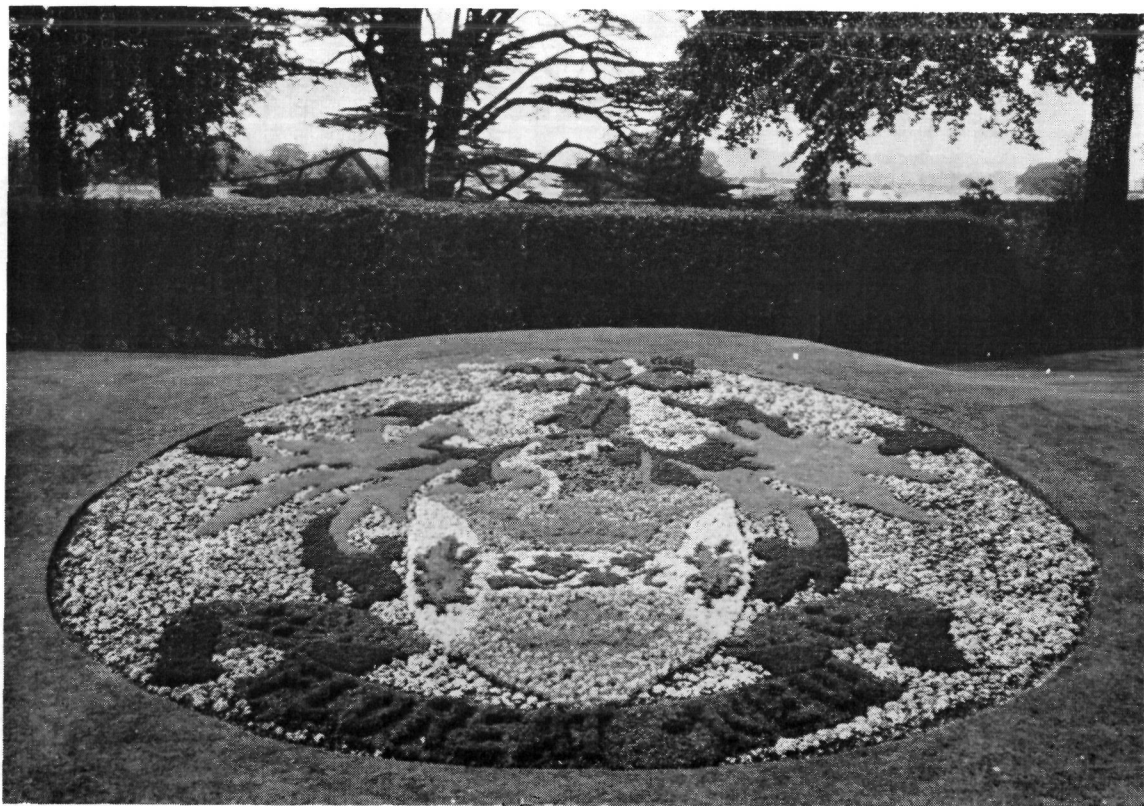
Earlier in his letter Tony spoke of a luncheon which George Catt had arranged in Perth, W. Australia. This was attended by Messrs. G. Catt (1929), E. S. Wittwer (1939), A. Henshaw (1960), D. Hicks, G. H. Addison (1938) and I. M. Heughes (1951).

"After the lunch Ian Heughes took me to Fremantle, where he is Superintendent of Parks, to see a number of new projects he has undertaken."

Dr. Gerald Wickens (Kew) obtained his Ph.D. at Reading University. His thesis was entitled "The Flora of the Jebel Marra (Sudan Republic) and its Geographic Affinities."

A. T. Wood (1960) A fully illustrated article on Oakover Nurseries at Ashford, Kent, appeared in the *Gardeners' Chronicle* on 22nd December. The Managing Director is Tom Wood, who has been with the firm for 7½ years. There are two nurseries, both on the A20 trunk road. One is at Potters Corner of 15 acres, from where office administration and the packing and sales are carried out, while a few miles towards Maidstone is the Kempton Nursery, acquired about four years ago. This is of 25 acres.

G. P. Wood (1970) gained the N.D.H. in General Horticulture.



CARPET BED—DANSON PARK, BEXLEY, 1972

## IN MEMORIAM

## SIDNEY A. PEARCE

Everyone who knew Sidney was sad and shocked by his death on 28th March, 1972. He was born on 16th June, 1906, near Romsey, Hampshire.

Sidney entered Kew as a student in 1928 with 7½ years of the soundest possible experience, and he commenced an active association with the Gardens, which was to stretch over very many years. There was a break of six years when he left Kew to take up appointments at Swansea and Richmond, but it is very doubtful whether, in his heart he ever left the place he loved.

First and foremost a plantsman, an expert on trees and shrubs, Sidney had a very wide and knowledgeable interest in many popular plants such as roses and chrysanthemums. He was also an expert on bedding plants and was for several years in charge of the Decorative Department. Once he related how he and the Director (the late Sir Arthur Hill), were in the habit of viewing the Palm House Front bedding from the Palm House balcony, with the aim of improving the colour schemes and the effect as a whole. On one occasion in a lecture to the "Mutual" he described how he bedded the entire Palm House Front with tropical plants—no mean feat.

Sidney was a broadcaster, lecturer, writer and photographer, but there were so many different aspects of his work. He was for example a Founder Member of the Arboricultural Association. He had judged for many years at the R.H.S. Shows and was a member of the Floral "B" Committee and was awarded the A.H.R.H.S. in 1958. He loved these shows and a few days before he died he wrote—"I have cancelled my judging engagements for this year—this means I'll miss seeing old friends and the shows which I have always enjoyed". After retirement he was for three years part-time Arboricultural Consultant to the Wiltshire County Council and also undertook advisory work and lecturing.

In 1963 he was awarded the M.B.E., but he seldom referred to this for he was a very modest and unassuming person. Often he would attend the "Mutuals" and listen with interest and respect to a youthful, and by comparison, inexperienced speaker, and would give nothing but encouragement in the discussions which followed.

His greatest love at Kew was the vast tree and shrub collection. This was very evident as we toured the department during the take-over period in 1956. It took three afternoon periods to do this and I remember in particular standing with Sidney beneath the *Pinus wallichiana* on the boundary to Queen's Cottage Grounds and the Golf Links. One became very aware of his great devotion to duty, aware of his loyalty and of the fact that he had not just been in charge of the department, but that he had been involved in every part and section of its work and life.

One of the major tasks which he undertook at Kew was connected with the switch-over to mechanisation. The process was started in a small way by his predecessor, the late Arthur Osborne, but he left his charge with a nucleus of good machines in 1956. Sidney was a great lover of rural life, and this stood him in good stead during the war when he became a "Farm Bailiff" as well as an Assistant Curator. He was made responsible for the extensive vegetable programme at Kew. Sometimes he related these earlier experiences and how for example he bought the last two horses at Kew, "Zenobia" and "Blossom". He described how the horse-drawn mowers were used and his experience with the large Barron Transplanting Machine, which is still at Kew as a museum piece. He retired as Deputy Curator in September 1968.

Many of the plantings which he carried out at Kew are now reaching perfection, but pride of place must go to the fine original specimen of the cultivar *Aesculus indica* "Sidney Pearce" which is near the Main Gate and House No. 1. This particular tree, as it reached maturity and flowered well year after year, was always admired by Sidney. It was given an A.M. in 1967 and an A.G.M. in 1969. What finer tribute can there be to a dedicated, knowledgeable and much loved Kewite?

We send our sincere sympathies to Gwen his wife, to his son Roger and to other members of his family. GEORGE E. BROWN, *Hon. Editor*.

A full account of Sidney's career appeared with a photograph in the *K.G.J.*, Vol. VIII, No. LXIX (1964). Also a profile appeared with a photograph in the *Arboricultural Association Journal*, Vol. 2, No. 2 (February, 1972).

#### DR. NORMAN LOFTUS BOR

Dr. N. L. Bor died on 22nd December after a brief illness at the West London Hospital. Following a career in the Indian Forest Service, he came to Kew in 1948 as Assistant Director. On his retirement in 1959 he appointed himself an honorary member of the Grass Section in the Herbarium, and it is in this role that the present generation will know him best. They will remember with delight that burly figure amid a litter of specimens, dispensing fudge, German translations, and an inexhaustible supply of outrageous reminiscences. They will recall with a sense of gratitude, that his encouragement, advice and wise counsel were also available to all who sought them. His work on the grasses of the Indian subcontinent, of *Flora Iranica*, of the *Flora of Iraq* and of the *Flora of Cyprus* stands as his memorial. We shall all miss him as a colleague, and many of us will mourn him as a friend.

D. CLAYTON.

(An account of Dr. Bor's career, written by Dr. C. E. Hubbard, is on page 650, *K.G.J.*, Vol. VI, No. LIV (1948). There is also a fine portrait photograph in this copy, taken by Mr. F. Ballard. We thank Miss Rosemary Angel, Editor of the *Gardens Newsletter* and Dr. D. Clayton for kindly giving permission to reproduce this appreciation.)

## GEORG BILLSTROM

We regret the passing of this well known Kewite on 2nd June, 1971, in Göteborg at the age of 66. Mr. J. H. Turner (1936) sent these details extracted from a prominent Swedish newspaper — “From 1944 to 1968 Georg Billström was Director of Göteborg’s Trädgårdsförening, the well known park and botanic garden in the centre of the city of 300,000 inhabitants, so frequented and loved by the people of Göteborg.

Born in Stockholm (4th March, 1905) Georg Billström became one of Göteborg’s leading citizens. He was highly regarded in the Swedish horticultural world and his interests were wide and varied. He was Chairman of the Swedish Orchid Society and for 24 years was on the Executive Committee of the National Union of Nurserymen where he did much to improve Swedish nursery conditions.”

Mr. Turner kindly sent this appreciation—“I first met ‘Bill’ when he was a Student at Kew in 1929, and many were the talks we had while botanising around the Natural Order Beds or at Lectures. ‘Bill’ was an accomplished linguist, well grounded in Latin, and he could change to Danish, French, English or German with ease. This proficiency was of great help to him when in after years he became Director and talked with visitors from many parts of the world.

Georg Billström was of splendid physique and surprisingly strong, but he was by nature, quiet, tolerant and kindly, a man of great intellect and ability, tempered with a sense of humour.

We took to each other at first sight and so began a friendship that was to last for 42 years. When I stayed with him in 1968 I was able to see some of the medals and honours that had been bestowed upon him. Then we relived the days at Kew and enjoyed the garden of choice species he was so happily tending at his charming country house in a silver birch forest some ten miles from the city.

All my memories of him, and they are many, are happy ones and I can never be sufficiently grateful to him for his unfailing friendship and help. Men like Georg Billström are rare now-a-days. To Eva his wife, Lars-Erik his son and Maude his daughter, we send our deepest sympathy.”

JAMES H. TURNER.



## ROBERT CHICHESTER McMILLAN

We regret to record that 'Mc', as he was known to his contemporaries, passed away peacefully at his home at Knutsford, Cheshire, on 4th June, 1972, after suffering from the previous Christmas period. He was aged 68. He was born in May 1904.

He entered Kew in June 1925, after a good practical and theoretical training obtained as an Apprentice Gardener at Rockfield Gardens, Kells., as a Student at the Albert Agricultural College, Glasnevin, and as Journeyman Gardener at Shelton Abbey, Arklow. At Kew he secured second place in General Botany and Plant Ecology, while his collection of British Flora



received special mention, proof of his great love of plants in their natural habitat. Of interest is his service as a Special Constable during the General Strike in 1926, in a force which was under the command of the late Major Chipp, the Assistant Director. His gift for lecturing was brought to the fore when, during 1925, he gave a paper to the Mutual Improvement Society, on "Market Gardening in Ireland".

In 1928 'Mc' was appointed as Inside Foreman at Ardtornish Gardens, Morvern, Argyllshire, where he remained until he obtained his first public appointment as Propagator at Bellahouston Park, Glasgow, under the very well known Director of Glasgow Parks, the late Mr. W. D. Berant (an Old Kewite). During this period he wrote the interesting article on Glasgow Public Parks, which appeared in the *Kew Guild Journal* for 1931.

In November 1932, he was appointed to his first Superintendent's position in Airdrie, near Glasgow, where he was responsible for organising a new parks department. The work involved the layout and maintenance of several new parks and gardens, with responsibility for horticultural advice and work on various committees. His appointment as Parks Superintendent to the Royal Burgh of Kirkcaldy took effect in October 1935, where he had responsibility for the Parks and the Cemetery Department, and also the Dunnikier Estate, which consisted of several farms and over 100 acres of forest trees.

In 1940 the Scottish Gardens and Allotment Committee, an organisation which was set up by the Ministry of Agriculture, invited Robert to act as Area Leader for the Counties of Fife and Kinross, and with the approval of his council he organised many societies. His book *Planting for Plenty*, was published during the war, and it proved of great benefit to many engaged in the "Dig for Victory" campaigns. He was awarded the M.B.E. in 1944.

Robert was appointed to Manchester Parks Department as Director in 1948. He was the third Old Kewite to hold this important position, following the late J. Richardson who in turn followed the late W. N. Pettigrew. There was much to be done to put the City right after the ravages of war, but from the start his aim was to "bring the country to the town", by suitable plantings and grass areas. With so many other priorities it seemed impossible that any large scale plans would meet with approval, but through his persuasive explanations and technical abilities, he was able to gain the necessary support and authority from his committee. Among his many activities during his term of office he founded the Children's Nature Study Club, while the provision of "Pets Corner" in several parks of the City and the introduction of Highland and Galloway pedigree cattle in the larger parks, proved to be very successful. He also encouraged various societies and educational authorities to engage in tree planting schemes. Robert also laid the foundation for the Manchester Flower Show, obtaining support from the trade and from many allied societies, including the Manchester Flower Lovers Guild, of which he was a founder member. This event increased in importance from year to year, and eventually included members of the Royal Family among its visitors. The Manchester *Evening Chronicle* summed up his work very neatly on 30th December, 1958, we quote—The man who has done as much as anyone to brighten Manchester, Mr. R. C. McMillan, said: "My wish is always the same, to hear visitors to the city saying—What a lovely place Manchester is! I have tried to make it brighter and more colourful, with trees, shrubs and flowers. I have had some success, but not as much as I want" (*K.G.J.*, Vol. VII, No. LXIV). This attitude sums up his professional outlook, he always wanted that extra effort—striving for even higher standards. He was awarded the A.H.R.H.S. for his services to the horticultural profession.

'Mc's' activities extended to lecturing and judging. He took a leading part in the annual competition for the Best Kept Village in Lancashire. He was a very prominent member of the Lancashire Small Holders Association, and gave the Allotment Movement his keen support. His enthusiasm as a member of the Institute of Parks and Recreation will long be remembered and he served in several capacities in this organisation over the years. He was a Chairman of a session at the first International Congress in 1957, and became President in 1961, becoming the third Old Kewite to hold this position whilst being Director at Manchester. He was also a valued member of the Institute of Burial and Cremation Association, and gave many papers at their conference where his views were looked upon with interest.



'Mc' was a staunch Kewite, and was ever ready to help the younger members of the profession. The many spheres where he has been so active will sadly miss this genial and colourful character.

A large congregation of civic notables with members of his family and friends from all quarters attended the funeral, and he was finally interred on a windy hill overlooking the extensive grounds of Heaton Park where he had lived throughout his 21 years of service with the City of Manchester. Our sincere sympathy is extended to his wife, and her two daughters and two sons.

A. J. CHEEK (1929).

### JAMES ROBBIE

Sadly we learnt of the death of James Robbie which was on 23rd February, 1972, at Ballater, Aberdeenshire. He was born in Aberdeen on 28th May, 1904. James commenced his horticultural career in 1919, when he started in the Royal Gardens, Birkhall, Aberdeenshire as an apprentice. Later, in 1972, he moved to Blythwood, Pinner, Middlesex, as a gardener. In 1925 he entered Kew as a student and was later promoted to Sub-Foreman.

In 1927, James Robbie began his great work in the Sudan, when he joined the Horticultural Section of the Ministry of Agriculture in Khartoum. He was in turn Assistant Superintendent of Gardens, Inspector of Horticulture and Chief Horticulturist. After retiring from the Sudan in 1952, he was employed as a representative for an agricultural company in Aberdeenshire, until his final retirement in 1967. He was County Councillor, a District Councillor, an elder of his local church and was also active in various horticultural associations, church and youth groups. He also engaged in writing and had completed two chapters of his book about his experiences in Africa entitled *Flowers in the Sand*.

We send our sincere sympathies to his relatives and friends and thank his daughter Agnes for helping us with details of his career.



## WILLIAM GEORGE ANDREWS

Sadly we record the death of Mr. W. G. Andrews on June 16th, 1972, at the age of 79. He was born on 25th April, 1893, near the fringes of Epping Forest. After local schooling, he began his horticultural career at Warlies Park near Waltham Abbey, the home of Sir T. L. Buxton, Bart., the gardener being a William Clark. Even in these early days, William showed great promise as a plantsman, and the remark was once passed that he never forgot the name of a plant once he had become acquainted with it. However, the First World War intervened, and William joined the Somerset Light Infantry. The experiences which followed



when he served in the trenches in France he obviously preferred to forget, for he seldom made any reference to them.

During 1920 William entered Kew, and during his studentship he spent a period in the Orchid Department. He took a great interest in the specialised nature of this work and also in the collection of British Flora which he made in the course of his studies.

In 1922 he left for Tresco Abbey Gardens in the Isles of Scilly, which were under the ownership of Major T. A. Dorrien-Smith. For a short period he worked under Mr. James Jenkin, the retiring head-gardener, in order to become familiar with the vast collection of rare and unusual plants growing in these famous gardens. William stayed in this post as "head" for 25 years, and without doubt both he and the Major gathered together such a vast storehouse of knowledge upon "warmer temperate" and "half-hardy" subjects (particularly of New Zealand and Tasmanian plants), that their standards were without a parallel. Many famous visitors came to these Gardens from all parts of the world, including a number from Kew.

During his service at Tresco he lost his wife, Florrie, and this was a very sad loss to him and his family.

In 1947 he was appointed as Curator of the Darah Collection of Cacti and Succulents, by the late Mr. J. Richardson, Director of Manchester Parks. At that time this collection was one of the most interesting

in the country, and attracted many visits from the various societies who specialised upon these plants.

William, who was of a quiet retiring nature, was always ready to share his knowledge, which was very wide, for he was equally at home with stove and hardy plants. By his general attitude he was a natural gardener and an ideal person to be in charge of a collection where care, attention and observation play such an important part. He was ever ready to assist apprentices who worked with him, and in many cases encouraged them to make a study of the plants they were working with. After his retirement he made many visits to his old "charge", just for the love of plants. He was never happier than when relating his experiences as a young man in the private gardens or in the glasshouses of James Veitch, the famous nursery in Chelsea, where in the old days, gardeners worked on a temporary basis while they were changing jobs. Nevertheless he often expressed his appreciation of the better conditions of service in these modern times.

With the passing of William a link with the "old School" has been severed and horticulture has lost another natural gardener. Our sympathy is extended to his daughters Joan and Dora, and to the other members of his family.

Compiled with the aid of A. J. W. CHEEK (1929).

### W. D. R. PRIOR

Sadly, many of the more senior members of the staff at Kew learnt of the death of Mr. Prior on 1st March, 1972.

David, as he was known to his friends at Kew, commenced his career in horticulture, working on his father's nursery just outside Newmarket, the main line of production being bedding plants. In order to enlarge upon his experience his father encouraged him to make the next move to a nursery in Broxbourne, Hertfordshire. However after a short period he decided to give up horticulture and to work with the Ministry of Agriculture as a clerical officer.

David was transferred from Ministry Headquarters to Kew in the early to mid-1930's, where he worked in the Cashier's Office in the Melon Yard under the late Mr. E. Dunk. During 1941 he moved back to Headquarters as an executive officer where he remained until after the war. On reaching the age of sixty he requested a transfer back to Kew and took up his old post in the Cashier's Office. He retired in 1960.

David's three main hobbies were music, radio set construction and photography and he spent many happy hours following these pursuits. When Mrs. Prior sadly passed away after a long illness which was due to a road accident, he spent more and more time with his photographic equipment.

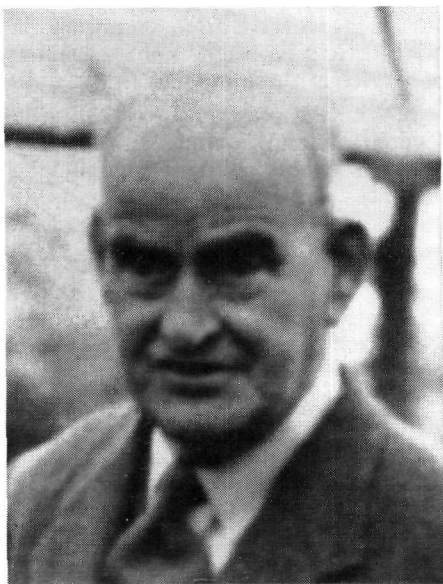
David did not enjoy good health over the last two years of his life, added to which was the great shock which he had suffered last year when he suddenly lost his younger brother. He leaves a sister in Hull and two sisters-in-law at Wimbledon to whom we express our deepest sympathies.

S. W. RAWLINGS (1972).

### EDWARD JOSEPH BEATTY

We regret that the well known personality in the nursery trade, Mr. E. J. Beatty, died on 3rd July, 1969. He was born on 12th June, 1884 in Chester.

After initial training with Messrs. Dixon of Chester, he entered Kew in 1903. In 1905 he took a position with Messrs. Barn and Son, Long Ditton. Later he worked in America, but returned to this country to enlist for service in the First World War. He was Mentioned in Despatches and was awarded the Croix de Guerre. Demobilisation followed in 1919, after a further period of service with the Army of Occupation in Germany. Returning to the trade he was employed in the landscape departments of Messrs. R. Wallace and Messrs. G. Dilleston, both of Tunbridge Wells.



Again, after spending one year as Assistant Parks Superintendent of Swansea, Mr. Beatty made another return to the nursery trade. From the position of Nursery Manager to Messrs. Ben Wells and Son, of Merstham, Surrey he took charge of the Landscape Department of Messrs. Cheals of Crawley. His last position, which he held for 20 years, was that of Director of Messrs. Toynbee of Barnham, but after retirement Mr. Beatty continued with the firm in an advisory capacity.

We send our sincere sympathies to his wife and daughter.

## DR. JOHN HUTCHINSON

Something is missing. Someone is missing, that is. No more along the galleries of Wing B do we hear the shuffle, the little throat clear or the husky voice asking some visitor "Have you seen my latest book?" Yes, "Hutch" is dead. So much will be written about Dr. John Hutchinson elsewhere that it is unnecessary for me to give a full-scale obituary. Suffice it to say that we miss him, with his quaint ways, friendly chats and keen eyes noting everything that went on. True, he didn't approve of everything, but then who does? Even the newest assistant is conscious of changes in the Herbarium, so how many more did Hutch see in 68 years? And what changes, too, when one considers that he started at Kew soon after the completion of the second wing where there were about half a dozen people comprising the whole Herbarium staff. Now with four wings and about 120 staff members the place must be almost unrecognisable from that of the Edwardian era when the botanists withdrew to the library as darkness fell to cluster around the single oil lamp, until the then Keeper turned it out and they returned home by horse tram along the gas-lit Kew road.

Dr. Hutchinson died on the afternoon of Saturday, 2nd September, after returning home from a visit to his son. That morning he had been working in the Herbarium as usual and only a day or two before had completed the index to the third edition of his *Families of Flowering Plants*. His prodigious output up to the end is a salutary reminder of his good health and energy during his 88 years. A colleague remarked that besides the numerous books he published he has left more manuscripts unpublished than most of us are likely to write in a life-time. His wife, who was so ill at the time of his death that she probably never realised he had gone, herself died the following Saturday.

F. N. HEPPER.

(Dr. Hutchinson was Vice-President of the Kew Guild in 1959/61. An account of his career appeared on pages 650-51, *K.G.J.*, Vol. VII, No. LXIV (1959). Also a photograph by Mr. A. A. Bullock appeared in *K.G.J.*, Vol. VII, No. IXV (1960). We thank Miss Rosemary Angel, Editor of the *Gardens Newsletter*, and Mr. F. N. Hepper for kindly giving permission to reproduce this appreciation.)

## CAPTAIN J. C. WALLACE

The death occurred on the 16th February, 1972, at his home near Oakham, of Capt. J. C. Wallace, at the age of 84. He will be remembered in this area for his connection with the Agricultural Institute at Kirten for so many years.

After active service in the First World War, during which time he was awarded the Military Cross, he came to Kirten in 1920 as Agri-

cultural Organiser for Holland, Lincs., under the Holland County Council, and as Principal of the Agricultural Institute, when the old Grammar School buildings were converted and the College Farm in Willington Road was taken over from Messrs. Dennis & Sons Ltd. Student courses were run in the 1920's, but mainly due to lack of facilities for residential accommodation these were discontinued, and the Institute became officially recognised as an Experimental Station as well as an advisory centre.

During his early years in South Lincs., the work of Kirten on the potato crop was known throughout the country, so much so that during the Second World War, Capt. Wallace travelled widely in the farming areas of England and Wales as representative of the Ministry of Agriculture, giving advice and help where the crop was introduced for the first time, in the drive for food production. He was an authority on all aspects of the crop and his wide knowledge was sought after, not only in his own area, but through the national press and at conferences, and on committees of national level. In 1923 he was instrumental in starting the Holland County Potato Show, held alternately at Boston and Spalding annually, and continuing until the Second World War. Under the chairmanship of such eminent persons in the industry as Mr. William Gilding, Mr. Cecil Robinson and Mr. Jack Webster, the building up of the seed potato export trade from South Lincs., was featured largely through this annual event.

In the early 1930's, work on the bulb crop was pioneered at Kirten, both for the flower and the dried bulb trade, and a bulb adviser was appointed, possibly the first appointment of this kind to be made by a local authority in this country. Whilst this kind of work had to be mostly suspended at the outbreak of war in favour of crops for food production, it was resumed with the inception of the National Advisory Service. Through these years a specialist advisory organisation was built up in South Lincs., which was considered second to none in the country, and backed by experimental work and crop trials on the farm, the service covered not only potatoes, bulbs, pigs, poultry, sugar beet, cereals, cauliflower and cabbage, and peas for canning and harvesting, but included specialist staff with laboratory facilities, such as an agricultural chemist, an entomologist and a mycologist, which few counties enjoyed at that time.

During the Second World War Capt. Wallace was seconded to the War Agricultural Committee, when Mr. Alex West was Chairman; and after the death of Mr. Christie he was Executive Officer for Holland under this Committee. In 1946, when the National Agricultural Advisory Service came into being, he was head of the County Advisory Services for Holland County until his retirement in 1952. Some people may still recall the memorable farming tours which he organised so ably, to such places as Holland, Germany, Austria and Hungary, in the 1930s. He was President of the Kirten Branch of the British Legion from its formation to his retirement, an Inspector of the Special Constables, a

Past Master of the Franklin Lodge of Freemasons and a prominent member of the Boston Farmers' Union.

After his retirement he took an active interest in local public affairs until the last few years, but it is only during the past few months that he had been confined to the house.

He leaves a widow, well remembered when in Kirten for her active interest in the Women's Institute movement at local, county and national level, and who was a Justice of the Peace. Also a daughter, a son and one grand-daughter, to whom we express our sympathy.

*Extracted from an Obituary Notice which appeared in a local newspaper.*

### REGINALD H. MASON

It is with regret that we record the death of Mr. Mason on 15th March, 1972, at his home in Woodford Green at the age of 69 years. He was born on the 8th July, 1904. He started his gardening career at the age of 19 years at a private garden at Eastcote, near Pinner, where he worked from 1923 to 1925. He then moved to Chart-ridge Lodge, Chesham, Bucks, where he was employed for a period of three years, mainly in the fruit and plant houses.



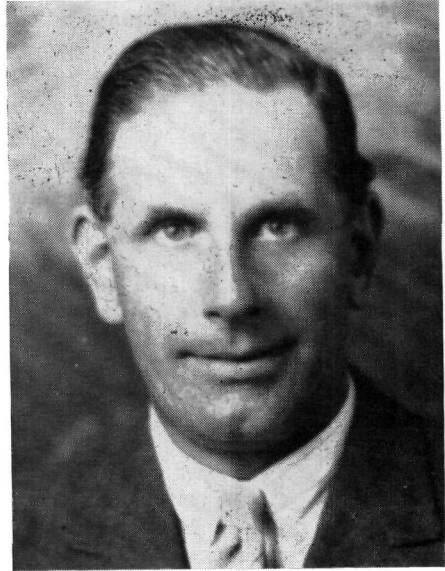
Reginald entered Kew as a Student Gardener in March 1928 and worked mainly in the Tropical Department. Under the exchange system which was in operation during this period, he spent a period from March 1928 until May 1929 in the famous gardens at La Mortola, Italy. He returned to Kew for a further period from June 1930 until March 1933, during which he served for one year as Sub-Foreman of the Decorative Department.

On leaving Kew he was appointed as Deputy Superintendent to Fleetwood Parks Department where he served until November 1938. He remained in his next appointment, that of Parks Superintendent to Leyton Borough Council until he retired in July 1969. His responsibilities increased after the creation of the Greater London Borough, when Waltham Forest was added to his responsibilities. We send our sincere sympathy to his wife, Marjorie, to his son and daughter, and grandson.

## LEONARD K. STRACHAN

We regret to record that Mr. Strachan died on the 20th July, 1972, he was 69 years of age.

Prior to the Great War he worked in various private establishments such as Ewenny Priory in South Wales and Woodhall Park in Hertfordshire. Mr. Strachan was at Kew as a student during the years 1925-26, when he gained very good passes in the examinations, most of his marks being above 80%. This love of learning remained with him throughout his life, and his favourite pastime was to read of plants and horticulture generally. During the Second World War he saw service in the Scots Guards and afterwards he joined Wandsworth



Borough Council, and was there until the 19th August, 1946, when he was appointed Head Gardener of Barnes. Among his responsibilities was the provision of floral decorations for civic functions in this work. During his period of service he was responsible for the layout of bowling greens at Sheen Common, Vine Road and Rocks Lane, and the planting of shrubbery borders at Fife Road, Berwyn Road, Sheen Common Drive, and on other sites within the Borough.

Upon the formation of the London Borough he was appointed Street Amenities Officer for Richmond-upon-Thames and was responsible for the care and repair of 12,000 street trees, the provision of new trees, and the maintenance of grass verges and roadside shrub plantings. Also he undertook the construction of the Craneford Way Stadium grass areas and its day-to-day running. After 25 years' service to three Boroughs he retired on the 30th April, 1971.

In the passing of Leonard Strachan, the profession has lost a man of great knowledge and skill. We send our sincere sympathies to Mrs. Strachan.

(Compiled with the help of Mr. P. M. Painting, Street Amenities Section, Engineers Dept., London Borough of Richmond-upon-Thames.)



## MISS E. M. WAKEFIELD

Miss E. M. Wakefield, formerly mycologist in the Herbarium of the Royal Botanic Gardens, who retired in 1951, died at her home in Richmond on 17th June, 1972. Her professional career was summarised in the *Journal* for 1944, the year of her election as President of the Guild, and instead of repeating the details here it may be appropriate instead to attempt a preliminary estimate of her permanent status and impact on mycology. At the outset it is well to admit that she was not a great taxonomist of the calibre of Boudier, Fayod, Fries, Patouillard or Thaxter and her published work bears no mark of originality or taxonomic insight. But in the position she held such qualities may be more of a liability than an asset. The primary function of a great herbarium is to conserve specimens in perpetuity in such a manner that any one required can be found at short notice. In such a place a brilliant innovator, reshuffling collections in accordance with his latest inspiration, could be a menace and a serious source of confusion. Nor did her conditions of work favour innovation. For most of her long career at Kew Miss Wakefield worked alone, in sole charge of a large and highly diversified group of organisms which have little in common with the flowering plants and vascular cryptogams curated by her colleagues. It is a striking indication of her mental and moral toughness and sense of duty that, though she strongly felt and in some degree resented her isolation, her rigorous standard of accuracy and reliability in routine identifications was never relaxed and the collections were kept in perfect order, fully laid in and accessible at all times. Only those who have worked alone and unsupervised among apparently indifferent colleagues can appreciate the moral and intellectual integrity and strength of will implied in maintaining standards unimpaired for so many years. These same characteristics led her to refuse to be evacuated to the country with the rest of the Herbarium staff during the war and the collections of fungi and mycological books remained at Kew with her. While one may have reservations about this as regards security of the collections, it indicates a degree of cold courage and stubborn obstinacy, perhaps, too, a certain lack of imagination.

Though she was a specialist in Basidiomycetes, with an international reputation as an authority on the Aphyllorphales, she was always willing to attempt identifications in any group of fungi and thanks to her patience and meticulous and accurate observations her determinations seldom needed revision. Her critical annotations are to be found on sheets throughout the fungus collections and are always worthy of careful consideration. Unfortunately her encyclopaedic knowledge of Aphyllorphales was not in the main transmitted to posterity. To some degree this may be because it depended on a keen visual memory rather than on critical analysis—if asked why a certain specimen was referred to a particular species she would say, "Because it looks like it". But circumstances in her day did not favour publication of monographs, "research" was not considered part of one's duties at Kew. Indeed, even when the

present writer joined the staff as her assistant in 1944 he was told his duties were to advise the Director in mycological matters when called upon to do so and that any research he sought to do must be done outside official hours. Given such a cramping and discouraging environment, coupled with the necessity of coping alone with a constant stream of routine determinations of all kinds of fungi from all parts of the globe, it is not surprising that her publications are not extensive and consist largely of annotated lists of species rather than taxonomic monographs. Far more than her publications her true monument is the mycological herbarium, maintained and passed on to her successors in meticulous condition and full working order, with a tradition of duty and integrity for them to live up to in easier times and pass on in their turn if they can. A lifetime of care and maintenance and the solving of other people's problems of identification sounds much less exciting and memorable than one of phylogenetic speculation and taxonomic innovation but it is of much more permanent value to science. Accuracy, courage, devotion to duty, reliability and tenacity were her characteristics, prosaic and unexciting virtues but such as Kew can still profit by, if it can find them.

R. W. G. DENNIS.

Miss Wakefield was President of the Kew Guild, 1944-45 (*K.G.J.* 1944, pp. 343-4).—ED.

### BERNARD W. HARBORNE

We regret to record the death of B. W. Harborne in Watford Hospital on 16th April, 1967. He was aged 74. Bernard started his horticultural training at Harewood Gardens, Rickmansworth, Hertfordshire. After military service in the 1914-18 War, he entered Kew in 1919, serving in the Tropical Department and as Sub-Foreman in the Ferneries.

Leaving Kew in 1923 he entered Cardiff Parks Department. His next move was to the King's Acre Nursery, Hereford, where he remained until 1934, when he moved to William Wood and Sons, Taplow.

In 1943 Bernard was appointed Horticultural Adviser and Representative in the



Home Counties for Carters Tested Seeds, where he remained until he retired in 1964. Then he and his wife moved back to their native Rickmansworth.

Many of the older Kewites and other members of the profession have missed him at the R.H.S. meetings and shows during later years when his congenial conversation and charm of manner endeared him to many friends. An outstanding and brilliant cricketer, especially rated for his fast left-arm bowling, he was a member of the Old Kewites team when they played in the annual match against the Kew staff and students on Kew Green during the 1930's and late 1940's. These were for him happy days.

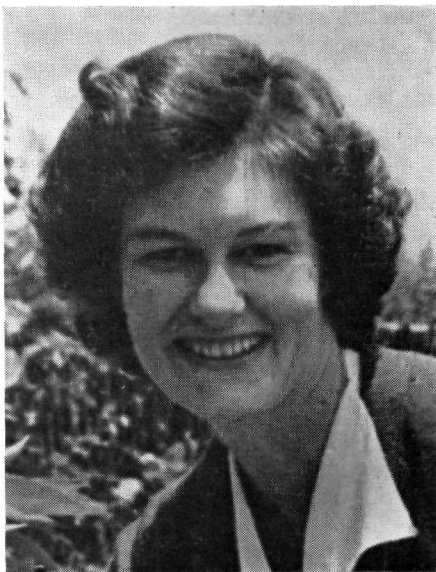
To his wife, brother and sister we extend our sincere sympathy.

CYRIL JONES.

#### DIANA MARGARET NAPPER

The death of Miss Diana Margaret Napper on March 31st, 1972, at the early age of 41 years came as a distressing shock to her friends and colleagues at the Herbarium. She had returned to work after a severe operation and it was hoped that she would soon become her usual cheerful self. However, it was not to be and in a short while she was again in hospital from which she never returned.

Born on August 23rd, 1930, she went to school at Swanage and Bournemouth and afterwards entered the University College of the South-West where she gained a London B.Sc. Special Degree in Botany in 1953. In January 1954 she started work as a laboratory assistant at the Coffee Research Station at Ruiru in Kenya. The following year she joined the staff of the East African Herbarium at Nairobi as a Scientific Assistant and worked with Dr. P. J. Greenway, who became President of the Kew Guild in 1971-1972 and also with Dr. B. Verdcourt, who is now a member of our own Herbarium staff. Her work in Kenya consisted in naming large numbers of plants sent in by officials and amateurs all over eastern Africa. Interested in grasses and sedges, she published with K. W. Harker an illustrated book on the grasses of Uganda and subsequently a handbook on the grasses of Tanganyika which she illustrated herself.



She also published a number of papers on the family *Cyperaceae* together with a useful synopsis of the East African species. At one time Miss Napper acted as Botanist-in-Charge of the Herbarium for a period of six months.

In 1965 she joined the staff at Kew as a Scientific Officer with the Ministry of Overseas Development working on the Flora of Tropical East Africa. She completed accounts of four small families and at her death was well advanced in her studies of the *Acanthaceae*, a large and very important family in East Africa. In 1967 she was transferred to the M.A.F.F. staff and promoted to the rank of Senior Scientific Officer a year later. When the work of the Herbarium botanists was reorganised she was put in charge of the section covering *Flagellariaceae* to *Cyperaceae*.

While in East Africa Miss Napper made collections of wild plants from areas as far apart as the eastern Congo and northern Zambia, amounting to nearly 2,000 items. During periods of local leave she also collected marine algae.

Diana Napper was a quiet and friendly person whose presence in the Herbarium will be much missed. To her mother and sister we extend our sincere sympathies.

F. BALLARD.

#### ALEC WILLIAM BETTESWORTH

The sad news reached us in 1971 that this very popular Kewite had died. After leaving Kew in 1949 Alec joined the staff of Ealing Parks Department before deciding to emigrate to South Africa. He first worked in the Johannesburg Department where he earned a reputation for cheerful co-operation and hard work, and became an Assistant District Superintendent in April 1960.

In September, 1960, he joined the Amenities Department, Salisbury, Rhodesia but returned to the service of the Johannesburg Parks and Recreation Department. He became a South African citizen in March 1965.



His decease, at the age of 47 years, following a few weeks of illness came as a shock to all his colleagues. Even during his suffering his characteristic cheerfulness did not leave him. He left no dependents.

G. E. D. BRISCOE (1961).

## KEW STAFF LIST

(1st December, 1972)

† Formerly a Student Gardener. \* Life Member.

*Entered  
Kew*

### DIRECTOR'S OFFICE

Director .....	Professor J. Heslop-Harrison, M.Sc., Ph.D., D.Sc., F.R.S., F.R.S.E., M.R.I.A., F.L.S., F.I.Biol. ...	1971
Senior Personal Secretary.....	Miss M. P. Roberts ... ..	1970
Deputy Director, Keeper of Herbarium (D.C.S.O.) .....	J. P. M. Brenan, M.A., B.Sc., F.L.S. ...	1948
Secretary (Principal) .....	R. W. King, D.F.C.... ..	1959
Higher Executive Officer.....	E. N. Johnson ... ..	1969
Executive Officer .....	W. C. W. Grimes ... ..	1967
"    "    (Acting) .....	J. A. Vaughan ... ..	1966
"    "    .....	E. Timbs ... ..	1972
Clerical Officer .....	Mrs. H. M. Hyde ... ..	1966
"    "    .....	Mrs. B. Lewis ... ..	1970
"    "    .....	Mrs. V. O. M. Clark ... ..	1967
"    "    .....	Mrs. F. L. Upton ... ..	1964
"    "    .....	Mrs. J. Nicholson ... ..	1969
Clerical Assistant .....	Miss C. A. Duggan... ..	1972
"    "    .....	Miss E. H. Smith ... ..	1966
"    "    .....	Mrs. D. A. McDougal ... ..	1970
"    "    .....	Mrs. C. J. Ballard ... ..	1970
"    "    .....	H. J. Pike ... ..	1972
"    "    .....	Mrs. S. Tillotson ... ..	1970
P/T Clerical Assistant.....	Mrs. C. M. Phillips... ..	1972
"    "    "    .....	Mrs. B. Ure ... ..	1972
Telephone Operator .....	Mrs. C. Lansdell ... ..	1966
"    "    .....	Mrs. J. D. Truss ... ..	1971
Office Keeper .....	G. D. May ... ..	1971

### HERBARIUM

Deputy Keeper, S.P.S.O.....	P. S. Green, B.Sc., F.L.S. ... ..	1966
Senior Principal Scientific Officer.....	R. W. G. Dennis, B.Sc., Ph.D. ...	1944
Principal Scientific Officer.....	R. D. Meikle, B.A., LL.B., F.L.S.	1947
"    "    "    .....	D. A. Reid, B.Sc., Ph.D. ... ..	1957
"    "    "    .....	W. D. Clayton, B.Sc., Ph.D., A.R.C.S., F.L.S. ... ..	1958
"    "    "    .....	F. N. Hepper, B.Sc., M.I.Biol., F.L.S.	1950
"    "    "    .....	L. L. Forman, B.Sc., F.L.S. ...	1951
"    "    "    .....	Miss F. M. Jarrett, M.A., Ph.D., F.L.S. ... ..	1959
"    "    "    .....	C. Jeffrey, B.A. ... ..	1951
"    "    "    .....	D. M. Dring, B.Sc., Ph.D., F.L.S....	1962
"    "    "    .....	B. Verdcourt, B.Sc., Ph.D., F.L.S.	1964
"    "    "    .....	C. C. Townsend ... ..	1951
"    "    "    .....	R. M. Polhill, B.A., Ph.D., F.L.S....	1961
"    "    "    .....	G. Ll. Lucas, B.Sc., F.L.S. ...	1963
"    "    "    .....	R. K. Brummitt, B.Sc., Ph.D., F.L.S.	1963
"    "    "    .....	W. Marais, B.Sc., M.Sc. ... ..	1968
"    "    "    .....	R. M. Harley, M.A., D.Phil., F.L.S.	1968
"    "    "    .....	P. G. Taylor, F.L.S. ... ..	1948

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Senior Scientific Officer .....	D. R. Hunt, M.A., A.R.C.O. ... 1961
" " " .....	A. Radcliffe-Smith, B.Sc. ... 1962
" " " .....	I. K. Ferguson, B.A., Ph.D., F.L.S. 1968
" " " .....	D. Philcox, M.Sc., M.I.Biol., F.L.S. 1959
" " " .....	G. E. Wickens, B.Sc., M.Sc., Ph.D., F.L.S. ... 1967
" " " .....	C. Grey-Wilson, B.Sc. ... 1968
Higher Scientific Officer .....	Miss S. S. Hooper, B.Sc., F.L.S. ... 1954
" " " .....	D. V. Field, B.Sc., M.Phil., F.L.S. 1960
" " " .....	Miss J. K. Bowden, B.Sc., F.L.S. ... 1949
" " " .....	M. J. S. Sands, B.Sc. ... 1959
" " " .....	D. N. Pegler, B.Sc., M.Sc., F.L.S. 1960
" " " .....	B. F. Mathew, F.L.S. ... 1967
" " " .....	Mrs. J. L. M. Pinner (Miss Fletcher) S. A. Renvoize, B.Sc. ... 1952
" " " .....	Mrs. S. M. Phillips, B.Sc., F.L.S. (Miss King) ... 1966
" " " .....	Mrs. S. Holmes, M.Sc. (P/T) ... 1972
Scientific Officer .....	Miss P. Halliday ... 1947
" " .....	Miss V. A. Carder ... 1955
" " .....	Miss I. Blewett ... 1941
" " .....	Miss T. A. Bence ... 1958
" " .....	Miss V. Mann ... 1958
" " .....	J. L. Gilbert ... 1955
" " .....	Mrs. D. M. Bridson (Miss Shepherd) 1963
Assistant Scientific Officer .....	Mrs. D. Polhill (P/T) (Miss Moscoff) 1957
" " " .....	Mrs. F. L. M. Neate, B.A. (P/T) ... 1963
" " " .....	Mrs. J. S. Page ... 1966
" " " .....	P. J. Edwards ... 1967
" " " .....	Miss C. M. Barndon ... 1968
" " " .....	Mrs. S. Dickerson ... 1969
" " " .....	Mrs. C. A. Harvey ... 1972
" " " .....	Mrs. J. Cowley ... 1972
" " " .....	J. J. Wood ... 1972
" " " .....	Mrs. A. D. Sceats ... 1972
" " " .....	R. J. Phillips ... 1972
" " " .....	Mrs. A. E. Ansell (P/T) ... 1972
" " " .....	Miss S. S. Forwood ... 1969
" " " .....	(Herb. Accessions)
" " " .....	Mrs. M. J. Bowen-Jones ... 1963
" " " .....	(Gardens Accessions)
" " " .....	Miss M. A. Wood ... 1966
Botanist (Bentham-Moxon) .....	H. K. Airy Shaw, B.A. ... 1925
" " " .....	H. M. Burkill, O.B.E., M.A., F.L.S. 1969
" " " .....	M. J. E. Coode (Bentham-Moxon) 1972
Scientific Officer (Bentham-Moxon)....	Miss S. A. Forwood ...
Assistant Scientific Officer (Bentham-Moxon)	Mrs. L. Ferguson ...
Botanist (S. African Government).....	J. H. Ross, M.Sc., Ph.D., F.L.S. ... 1971
" (Australian Government).....	G. Chippendale, B.Sc. ... 1972
" (Iraqi Government) .....	E. R. Guest, B.Sc., A.R.C.S., A.I.C.T.A. ... 1959
Keeper's Personal Assistant .....	Miss E. M. Garner ... 1972
Senior Preparer (Sen. Lab. Attendant)	Miss I. L. Taylor ... 1959

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Kew

Preparer (Laboratory Attendant) .....	Mrs. L. C. F. Glenister ... ..	1956
" " " .....	Mrs. M. W. Glover... ..	1960
" " " .....	Mrs. A. Claxton ... ..	1966
" " " .....	Mrs. F. V. Cox ... ..	1966
" " " .....	Mrs. H. Dzilna ... ..	1954
" " " .....	Mrs. I. R. Tinker ... ..	1966
" " " .....	Mrs. V. E. Baker ... ..	1959
Senior Photographer .....	R. R. Zabeau ... ..	1956
Clerical Officer .....	W. J. Nicholas, B.A. ... ..	1967
" " .....	Mrs. C. A. Goldfinch (Miss Heron)	1969
Clerical Assistant .....	Mrs. I. I. Scott ... ..	1963
Shorthand Typist .....	Mrs. D. A. Campbell ... ..	1966
" " .....	Mrs. P. L. Hampton (P/T) ... ..	1971
Gardener, Grade 1 .....	W. A. Mullins ... ..	1942
Index Londinensis (Bentham-Moxon)	Mrs. S. M. Shury ... ..	1960
" " " " .....	Miss C. Newall ... ..	1961
Senior Messenger .....	G. R. Edwards ... ..	1965

## LIBRARY

Librarian and Archivist .....	R. G. C. Desmond, F.L.A. ... ..	1961
Deputy Librarian .....	D. V. Wilson, F.L.A. ... ..	1970
Assistant Librarian .....	Miss K. E. W. Rattue, A.L.A. ... ..	1961
" " .....	Miss G. M. Grainger, A.L.A. ... ..	1964
" " .....	Miss C. M. K. Pope, B.A., A.L.A.	1971
Clerical Officer .....	Miss M. J. Kierans... ..	1934
" " .....	Miss H. M. White ... ..	1959
" " .....	Mrs. K. E. Mortimer ... ..	1964
" " .....	Mrs. P. A. Wilson ... ..	1967
" " .....	Mrs. J. Ashman ... ..	1967
Clerical Assistant .....	Miss M. I. Hutchins ... ..	1967
Typist .....	Mrs. J. E. Taylor (P/T) ... ..	1966
" " .....	Mrs. M. Gazzard (P/T) ... ..	1966
Paperkeeper .....	W. H. McGann ... ..	1970

## TYPING POOL

Clerical Officer/Supt. of Typists.....	Mrs. M. J. Brind ... ..	1955
Audio Typist .....	Mrs. J. L. Ronald ... ..	1966
" " .....	Mrs. K. M. Murphy ... ..	1968
" " .....	Mrs. R. Pfeiffer (P/T) ... ..	1970
Typist .....	Mrs. E. N. Attwood (P/T) ... ..	1964
" " .....	Mrs. J. Bradshaw (P/T) ... ..	1972
" " .....	Mrs. E. J. Fitchett (P/T) ... ..	1965
" " .....	Mrs. J. Bosson ... ..	1972
" " .....	Mrs. G. E. Hole (P/T) ... ..	1970
" " .....	Mrs. J. E. G. Lewison (P/T) ... ..	1971
" " .....	Mrs. I. Pugh ... ..	1971
" " .....	Mrs. P. Apps ... ..	1972

## JODRELL LABORATORY

Keeper (Senior Principal Scientific Officer) .....	K. Jones, B.Sc., Ph.D., F.I.Biol., F.L.S. ... ..	1960
Senior Principal Scientific Officer.....	P. A. Thompson, B.Sc., M.Sc., Ph.D.	1964
Principal Scientific Officer .....	D. F. Cutler, B.Sc., Ph.D., D.I.C., F.L.S. ... ..	1962

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Kew

Senior Scientific Officer .....	Miss M. Y. Stant, B.Sc., Ph.D., F.L.S.	1950
"    "    " .....	T. Reynolds, B.Sc., M.Sc., D.I.C., AR.C.S. ....	1966
"    "    " .....	P. E. Brandham, B.Sc., Ph.D. ....	1969
"    "    " .....	F. R. Richardson ... ..	1934
Higher Scientific Officer .....	Miss M. Gregory, B.A. ....	1961
"    "    " .....	D. J. C. Fox, A.M.I.T.E. ... ..	1966
Scientific Officer .....	Miss C. A. Brighton ... ..	1965
"    "    " .....	Miss S. Ebbels, B.Sc. ....	1971
"    "    " .....	S. J. Owens, B.Sc. ....	1971
Assistant Scientific Officer .....	Mrs. R. Pusey ... ..	1970
"    "    " .....	Miss B. Dix ... ..	1972
"    "    " .....	Miss M. Johnson ... ..	1970
"    "    " .....	Miss J. E. May ... ..	1972
"    "    " .....	Miss P. Humphreys ... ..	1972
Laboratory Attendant .....	Mrs. E. Turrell (P/T) ... ..	1965
"    "    " .....	Mrs. J. O. Ellis (P/T) ... ..	1969
Laboratory Craftsman .....	E. Borez ... ..	1967
Senior Photographer .....	T. A. Harwood ... ..	1965
Shorthand Typist/Receptionist .....	Miss V. Horwill ... ..	1951

## BIOCHEMISTRY UNIT (A.R.C.)

Senior Principal Scientific Officer .....	T. Swain, Sc.D., F.L.S. ... ..	1970
Higher Scientific Officer .....	Mrs. G. A. Cooper-Driver, M.Sc.	1970
Graduate Research Assistant .....	P. Richardson, B.Sc. ....	1972

## MUSEUMS DEPARTMENT

Senior Scientific Officer .....	Miss R. C. R. Angel, B.Sc., Dip.Hort.Sc., F.L.S. ....	1958
Higher Scientific Officer/Guide		
Lecturer .....	Miss L. M. Ponsonby, A.G.S.M....	1965
Information Officer/Exhibition Officer	P. Reid ... ..	1968
Assistant Scientific Officer .....	B. O'Dowd ... ..	1964
Museums Craftsman .....	R. Strong ... ..	1971
Supervisor of House Stewards .....	I. Pryke ... ..	1963
Clerical Assistant .....	Miss D. P. Gaskin ... ..	1971
Typist .....	Mrs. J. Carter (P/T) ... ..	1967

## GARDENS

Curator .....	†J. B. Simmons, N.D.H. ... ..	1958
Deputy to Curator .....	†R. I. Beyer ... ..	1955
Assistant Curator .....	B. Halliwell, N.D.H. (Herbaceous)	1968
"    "    " .....	†J. Warrington, N.D.H., F.L.S., A.Inst., P.R.A. (Tropical) ... ..	1970
"    "    " .....	†G. E. Brown, N.D.H. (Arboretum S.)	1946
"    "    " .....	D. W. H. Townsend, N.D.H. (Decorative) ... ..	1972
"    "    " .....	C. M. Erskine (Temperate) ... ..	1968
Supervisor of Studies .....	†L. Pemberton, N.D.H., Dip.Arb....	1952
Gardens Supervisor .....	W. H. Bridle (Temperate House)...	1948
"    "    " .....	†G. E. Nicholson (Orchids) ... ..	1947
"    "    " .....	†A. G. Cook (Alpine & Herb.) ... ..	1948
"    "    " .....	†A. J. Hale (Tropical Pits) ... ..	1955



Entered  
Kew

Gardens Supervisor .....	R. J. Sadler (Arboretum N.) ...	1951
" " .....	H. J. Jackman (Alpine & Herb.) ...	1949
" " .....	P. G. E. Smallcombe (Arboretum N.) ...	1964
" " .....	E. W. Macdonald (Succulents) ...	1950
" " .....	†R. H. Rule (Arboretum S.) ...	1956
" " .....	†J. R. Woodhams (Ferneries) ...	1959
" " .....	†M. J. Dawes (Tech. Services Dept.) ...	1964
" " .....	Mrs. R. M. Storr (Palm House) ...	1968
" " .....	†G. Pattison (Temperate H. Pits and Arboretum Nursery) ...	1969
" " .....	†H. J. Fliegner (Alpine and Herb.) ...	1963
" " .....	J. H. Mateer (Seed Dept., Decorative)	1952
P. & G.S. V. ....	G. E. Dixon... ..	1948
Scientific Officer .....	J. Keesing ... ..	1967
Assistant Scientific Officer .....	Miss Y. J. Aspland... ..	1972
Clerical Officer .....	Mrs. M. D. Norman ... ..	1967
Laboratory Attendant .....	Mrs. M. J. Freeman ... ..	1968
" " " .....	Mrs. D. M. Lower ... ..	1969
Acting Gardens Superintendent.....	†A. Titchmarsh ... ..	
" " " .....	†P. Everitt ... ..	

## WAKEHURST STAFF (Ardingly, Sussex)

(W behind the year indicates direct entry to Wakehurst)

Assistant Curator .....	†A. D. Schilling, N.D.Arb. ...	1959
Gardens Supervisor.....	†P. J. Brazier ... ..	1965
" " .....	F. G. Greenough ... ..	1958
Higher Executive Officer .....	R. Forsdike ... ..	1966
Clerical Officer .....	C. H. Izard ... ..	1968W
Audio Typist .....	Mrs. D. Williams ... ..	1971W

## STUDENT GARDENERS ON A THREE-YEAR COURSE

(Commenced 28th September, 1970)

M. R. Abrahams	D. F. Howarth	W. G. Pusey	D. A. Stokes
Miss R. Colson	R. Hughes	A. G. Robinson	A. J. Stuttard
G. Dykes	J. D. McVicar	J. E. Rotherham	T. A. Trafford
S. J. Henchie	G. W. Morgan	K. V. F. Smith	S. J. White
R. G. Holmes	A. J. Mugford	B. L. Stannard	P. Williamson
N. J. Hoskins	R. A. Paterson, N.D.H.	G. J. Stanfield	

(Commenced 27th September, 1971)

D. F. Allen	J. A. Darbyshire	J. Lonsdale	A. Ross
C. Bulmer	P. J. Gibson	A. B. Marsland	T. Watt
G. W. A. Chalmers	Miss P. Holt	D. Matthewman	
J. R. Craig	D. J. Hutchings	D. R. Perham	
D. P. Cummings	R. Ivison	L. Phillbert	

(Commenced 25th September, 1972)

N. Boyes	R. E. Fox	R. P. Jones	S. J. Robbins
N. J. Derrick	B. T. Gornall	B. Mowforth	Mrs. E. J. Soper
M. G. Dick	J. W. Hacker	K. F. R. Pearson	R. J. Wiseman
J. E. L. Faure	Miss V. C. Hodge	W. Y. Quek	
Miss S. Fountain	E. Hopper	J. G. Rickards	

## INCOME AND EXPENDITURE ACCOUNT

1971 £	DEBIT	1972 £	£
	<b>To Kew Guild Journal:</b>		
	Printing 1971 Journal (including blocks) ... ..	420.89	
	Postage ... ..	32.86½	
		453.75½	
	Less Journal Sales ... ..	7.89	
403.93½			445.86½
	<b>To Guild Annual Dinner:</b>		
	Cost of Dinner, Printing, Gratuities, less Receipts ...		22.18½
28.35	<b>To Prizes awarded by the Guild, 1972, including John Simmons' Presentation</b> ... ..		56.45
	<b>To Annual General Meeting:</b>		
18.12½	Printing, Postage, Envelopes ... ..		24.74½
31.21	To Hon. Officers' Expenses ... ..		17.25
27.60	To Benevolent Payments and Wreaths ... ..		13.80
30.39½	To General Printing, Postage and Stationery ... ..		10.74½
23.65	To Typing and Clerical Expenses ... ..		19.36
1.92	To Insurance, Bank Charges ... ..		4.06
	<b>To Guild Journal Supplement:</b>		
	Cost of Printing (including blocks), less Receipts ...		10.93
	<b>To Deteriorated Christmas Card Stock:</b>		
	Cost of Printing, Envelopes, less Receipts ... ..		29.80
565.18½			655.19
274.90	Income Exceeds Expenditure ... ..		85.70
£840.08½			£740.89
4,289.91½	Balance as per Balance Sheet ... ..		4,387.44
£4,289.91½			£4,387.44

## THE KEW GUILD BALANCE SHEET

1971 £	LIABILITIES	1972 £	£
	<b>Capital Fund:</b>		
4,289.91½	As per attached Statement of Assets ... ..		4,387.44
	<b>Current Liabilities:</b>		
	Life Subscribers—		
	66 @ £1.00—half rate ... ..	33.00	
	76 @ £2.00—half rate ... ..	76.00	
	74 @ £3.15—half rate ... ..	116.55	
	6 @ £5.25 ... ..	31.50	
	15 no record ... ..	—	
268.87½			257.05
£4,558.79			£4,644.49

## FOR THE YEAR ENDED 31st DECEMBER, 1972

1971 £	CREDIT	1972 £	£
463.24½	By Annual Subscriptions and Arrears ... ..		420.66
135.47½	By Life Subscriptions and Donations ... ..		84.22
	By Dividends:		
195.61	From Charities Official Investment Fund ... ..		199.39
	By Interest from Barclays Bank:		
	Savings Account ... ..	7.26	
	Deposit Account ... ..	23.26	
34.91		<u>30.52</u>	
	By Guild Annual Dinner:		
10.84½	Receipts from Sale of Tickets less cost of Dinner, Gratuities, Fees, etc. ... ..		—
	By Guild Annual General Meeting Tea:		
—	Receipts from Sale of Tickets less cost of Tea ... ..		6.10
<u>£840.08½</u>			<u>£740.89</u>
	Balance as at 1st January, 1972 ... ..		4,289.91½
	Reduction of Life Subscription Liabilities ... ..	11.82½	
	Add Excess of Income over Expenditure ... ..	85.70	
			<u>97.52½</u>
<u>£4,289.91½</u>			<u>£4,387.44</u>

## FOR THE YEAR ENDED 31st DECEMBER, 1972

1971 £	ASSETS	1972 £	£
3,100.00	<b>Invested Assets:</b>		
	Charities Official Investment Fund ... ..		3,450.00
	<b>Current Assets:</b>		
	Journals: Nominal Value of Stock ... ..	89.60	
	Guild Emblems (Purchase Value) ... ..	49.07½	
228.46		<u>138.67½</u>	
	<b>Cash at Barclays Bank:</b>		
	On Deposit ... ..	697.90	
	In Current Account ... ..	340.61	
1,216.53		<u>1,038.51</u>	
13.80	<b>Cash in Hand</b> ... ..		17.30½
<u>£4,558.79</u>			<u>£4,644.49</u>

Audited and found correct,  
C. M. ERSKINE  
J. S. KEESING

Hon. Auditors.

26th January, 1973.

## ADDRESS LIST OF OLD KEWITES (January 1973)

*(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)*

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.

- 1959 -Adams, R., 69 Selwyn Avenue, Richmond, Surrey.  
 1938 \*Addison, G. H., Lot 5, Owen Road, Darlington, W. Australia, 6070.  
 1957 -Addison, P., N.D.H., 6 Walney Road, West Derby, Liverpool, L12 5EW.  
 1960 Adsheed, 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 Lacy, Hereford.  
 1945 \*Albert, Mrs. H. (Miss H. J. Stent), 65 Summet Street, Oyster Bay, Long Island, N.Y., U.S.A.  
 1969 Alderson, M. J., 21 Blue Road, Tiptree, Colchester, Essex.  
 1962 -Aldous, J., 504 Grace Way, Almonds Spring, Stevenage, Herts.  
 1946 Allen, Miss B. (See Mrs. F. Christopher).  
 1948 Allen, F. H., Coombe Villa, Wootton-under-Edge, Glos.  
 1961 -Allen, J., 21 Shepherds Walk, Cove, Farnborough, Hants.  
 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.  
 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., "Dawn," Inglewood Drive, Alswick, Bognor Regis, Sussex.  
 1954 -Appleby, J., 53 Rathbone Road, Liverpool, L15 4HG.  
 1964 -Armony, A., M.A., D., Parks D., The Municipality, 35 Bialik Street, Ramat Gan, Israel.  
 1947 \*Armstrong, C. E., N.D.H., H.L., Kesteven Farm Inst., Caythorpe Court, Nr. Grantham, Lincs.  
 1970 -Armstrong, G. D., Botanical Garden, 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.  
 1931 -Atkins, L. G., N.D.H., Flat 1, 187 Stanwell Road, Ashford, Middlesex.  
 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 -Axton, M. R., 41 Wilmot Way, Banstead, Surrey.

- 1968 -Baas, Dr. P., Rijks Herbarium, Schelpenkade, 6, Leiden, Netherlands.  
 1935 Bachelor, P. L., Glenchaim, Dover Ridge Avenue, Carlton, Nottingham.  
 1906 \*Badgery, R., 47 King's Ash Road, Paignton, Devon.  
 1920 \*Baker, E., The Myrtles, Bucknalls 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.  
 1961 -Ballard, F., B.Sc., A.R.P.S., 24 Grove Park Road, Chiswick, London, W.4.  
 1971 -Bamkole, C., 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, Somersetshire.  
 1962 -Baren, M. E., 99 Lightwood Hill, Smethwick.  
 1958 -Barker, L. P., 120 Victoria Road, Fulwood, Preston.  
 1923 \*Barker, W. H., N.D.H., M.C., Loxton, Behind Berry, Somerton, Somerset.  
 1966 -Barnes, A. L., 14 Goodwood Road, The Ridings, Royston, Herts.  
 1960 -Barnes, H. P., Supt., P.O. Box 42, Wigmore, Pennyhill Lane, West Bromwich.  
 1962 -Barnett, R. C. A., Landscape Architect, 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 4BL.  
 1930 \*Bate, C., D.I.P.A., S., Park Lodge, Bedwellty Park, Tredegar, Mon.  
 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., 50 Cresswell Road, East Twickenham, Middlesex.  
 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., B.Sc. (See Mrs. Martin).  
 1963 Bell, H., 61 Evington, Tanhouse, Skelmersdale, Lancs.  
 1918 \*Bell, Miss V. S. (See Mrs. Danes).  
 1964 -Bentall, M., Horticultural Superintendent, c/o The Permanent Secretary, Min. of Works and Housing, P.O. Box R.W.65, Lusaka, Zambia.  
 1947 \*Benton, P. S. L., Area Office (M.P.B.W.), St. Vincents, Grantham, Lincolnshire.  
 -Bernard, D. J. W., Royal Botanic Gardens, Kew, Surrey.  
 1937 Berney, M. J., La Plaine, Geneva, Switzerland.  
 1967 -Bessler, W. E., Dip.L.D. (Newcastle), Gorse Cottage, Beaulieu Road, Dibden Purlieu, Southampton, Hampshire SO4 5PW.  
 1967 -Beswick, J., "Southcott," Cartridge Lane, Grappenhall, Warrington, Lancs. WA4 4SA.  
 1952 Bett, J. R., The Vineries, Harby, Nr. Newark, Notts.  
 1957 Bewley, I. K. (See Mrs. S. D. Hitt).  
 1955 -Billett, M., 32 Grosvenor Gardens, London, S.W.1.  
 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).  
 1919 \*Bishop, Miss S. W., The Homestead, East Stoke, Stoke-under-Ham, Somerset.  
 1933 Blackman, J. A. E., N.D.H., Plumpton Nurseries Ltd., Sussex.  
 1972 -Bletsoe, R. C., 104 Stapley Road, Hove, Sussex BN3 3FF.  
 1945 -Blowers, J. W., A.H.R.H.S.,  
 1946 Blowfield, A. H., S., 298 Limpsfield Road, Sanderstead, Surrey.  
 1951 -Boddington, H. P., D.I.P.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, Box 23, Nigel, Transvaal, South Africa.  
 1938 -Boreman, A. E., S., 58 Ferndale Road, Ashford, Middlesex.  
 1948 -Borrett, A. H., 31 Barton Road, Woodbridge, Suffolk IP 121 Q5.  
 1947 -Bourner, E., Garage Flat, Nuffield Lodge, Redhill, Surrey.  
 1966 -Bowen, R. D., Flat 2, No. 1 Park Road, Tunbridge Wells, Kent.  
 1949 -Bowles, H. A., The Lodge, Baker's Park, Totnes Road, Newton Abbot, Devon.  
 1947 -Boyle, J. J., Parks Supt. House, Morrab Gardens, Penzance, Cornwall.  
 1970 -Boys, P. A., East Mall Research Station, Maidstone, Kent.  
 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.  
 1963 -Breach, D. J., Beaulieu Drive, Pinner, Middlesex.  
 -1939 -Bridges, S., 437 North Street, Greenwich, Connecticut, 06832, U.S.A.  
 1962 -Bridgeman, P. T., N.D.H., "Nonesuch," Chalford Hill, Stroud, Glos.  
 1964 -Bridgeman, P. H., N.D.H., 21 Jubilee Drive, Ash Vale, Surrey.  
 1960 Briggs, Miss B. (See Mrs. Cole).  
 1961 -Briscoe, G. E. D., 52 Anreith Street, Roosevelt Park, Johannesburg, S.A.  
 1903 †\*Brooks, A. J., F.L.S., F.C.S., A.H.R.H.S., 3 Somerville House, Manor Fields, Putney, S.W.15.  
 1963 -Brooks, P. S., 45 Woodhall House, Welwyn Garden City, Herts.  
 1930 Brown, A. J., S., Parks and Cemeteries, The Lodge, Wigston Cemetery, Leics.  
 1950 Brown, D. A., F.Inst.P.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.  
 1959 Brown, J., 4 Bignor Street, Cheetham, Manchester, 8.  
 1926 Brown, Jas., S., Registrar's Office, St. Woollos Cemetery, Bassaleg Road, Newport, Mon.  
 1950 -Brown, L. R., Dept.P.S., 33 Parkland Grove, Ashford, Middlesex.  
 1946 -Brown, R. M., Stuart, F.Inst.P.A. (Dip.), 45 Windy Hill Lane, Marske, Redcar, Tees-side, TS11 7HR.  
 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., A.C., Dept. of Ornamental Plant Research Inst., C.E.F., Ottawa, 3, Ontario.  
 1947 Buller, Miss A. G., c/o Mrs. Anne Wolfe, Iferm, Pontblyddyw, Nr. Mold, Flintshire.  
 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.  
 -1903 -Burton, H., 317 Jefferson Road, West Palm Beach, Florida.  
 1949 -Bury, W., Parks Superintendent, Piel View, Public Park, Barrow-in-Furness, Lancashire.  
 1924 \*Buss, L., The Cree, Smarden, Ashford, Kent.  
 1921 \*Butcher, H. G., 11 Bridle Road, Epsom, Surrey.  
 1955 Butcher, I. A.,  
 1922 Butler, P. J., Bedford College, Regents Park, N.W.1.  
 1919 \*Bysouth, Mrs. R. A. (Davies), Pioneer Lodge, Lloydminster, P.O., Alberta, Canada.  
 1953 Cameron, J. D., Horticulturist, Parks Dept., East London, South Africa.  
 -1913 \*Candler, S. R., H.G., P.O. Box 278, Southampton, N.Y., U.S.A.  
 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 MIL 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., 46 Merlyn Road, Anchorsholme, Blackpool, Lancs. FY5 3AZ.  
 1953 Castree, F., 120 Nether Street, West Finchley, N.2.  
 1958 Catchpole, P. A., Glenwood, 284 Cowley Road, Uxbridge, Middlesex.  
 1970 -Catling, Miss D. M., 317 Hook Road, Epsom, 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., 83 Kitchener Crescent, Waterloo, Poole, Dorset.  
 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., N.D.H., F.Inst.P.A., S., Parks Dept., Seear's Park, St. Dunstons Hill, Cheam, Surrey.  
 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., 14 Brantfell Road, Blackburn, Lancs.  
 1946 -Christopher, Mrs. F. (Allen, B.), Boro Farm, Tresco, Isles of Scilly, Cornwall.  
 1961 -Chuter, R., Dip.Arb., 66 Maple Grove, March, Cambridgeshire.  
 1957 -Claiden, R. J. T., 78 Graham Avenue, Patcham, Brighton, Sussex.  
 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.  
 1923 -Clark, T. E., P.P.Inst.P.R.A., "Harrowby," New Church Road, Smithills, Bolton, Lancs.  
 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.,  
 1958 -Clift, M., Westfield, Thorndown Lane, Windlesham, Surrey.  
 1970 Clothier, P. F., N.D.H., 22 Heathcote Road, Twickenham, Middlesex.  
 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.  
 1971 -Cole, G., 28 Brentford Avenue, Whiteleigh, Plymouth, Devonshire.  
 1960 -Cole, T. J., 876 Maitland Avenue, Ottawa 13, Ontario, Canada K2A 253.  
 1960 Cole, Mrs. T. (Miss B. Briggs), ditto.  
 1967 -Coleman, D. V., 5 Eildon Street, Edinburgh, 3.  
 1958 -Collett, M. J., 125 Mandeville Road, Enfield, Middlesex.  
 1959 \*Collin, H., 13 Defoe Avenue, Kew Gardens, Richmond, Surrey.  
 1939 \*Collins, C. J., F.I.P.A., S., 42 Gainsborough Road, Colchester, Essex.  
 1955 -Collins, G. E., N.D.H., SronDubh, Poolewe, Achnarheen, Ross-shire.  
 1955 -Comber, J. B., Djl. Hang Djebat 3, P.O. Box 301, Medan, Sumatra, Indonesia.  
 1935 -Commeau, J., 28 Avenue de Mendiguren, 06, Nice, France.  
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- 1924 -Coventry, T., 210 Towcester Road, Northampton.
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- 1968 Cowley, R. C., 40 Minford Gardens, W.14.
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- 1971 -Cox, J. P., 50 Forest Road, Kew, Surrey.
- 1920 \*Craig, Mrs. A. P., The Hall, Headcorn, Kent.
- 1940 \*Cramer, Johannes D. W., 395 Zephyr Street, Denver, 26, Colorado, U.S.A.
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- 1955 -Crowder, G., Supt., Walton Hall Gardens, Higher Walton, Nr. Warrington, Lancs.
- 1968 -Cudd, M. R., 125 Crescent Lane, Clapham Park, London, S.W.4.
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- 1956 \*Curtis, E. W., S.D.H., Curator's House, Botanic Gardens, Glasgow, W.2.
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- 1954 Dalgeish, J., The Flat, Sudley, Mossley Hill Road, Liverpool, 18.
- 1927 -Dandy, J. E., M.A., F.L.S., "Rowans," Grove Road, Tring, Herts.
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- 1940 -Davies, P. W. C., S. of Parks, 20/22 St. George's Chambers, Merrial Street, Newcastle-under-Lyme, Staffordshire.
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- 1951 -Davies, R. S., Hawthorn Nursery, Lower Common, Longden, Nr. Shrewsbury.
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- 1936 \*Dean, R. E., Regional Grounds Maintenance Officer, Reg.H.Q., Dept. of Env., Lawnswood, Leeds, 17.
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- 1924 De Troyer, Ch. L., D., Grand Etablissement Horticole de Wolverthem, Les Bruxelles, Belgium.



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- 1919 \*Harper, Miss K. M. (See Mrs. Bintner).
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- 1923 Hawkins, F., Min. of Agriculture (Research Division), Dar-es-Salaam, Tanganyika.
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 1952 -Huggett, P. C., N.D.H., Grove House, Chalford, Stroud, Gloucestershire.  
 1948 Hughes, J. C., Cary Court Hotel, Cary Avenue, Babbacombe, Torquay, Devon.  
 1961 -Humphrey, B. E., N.D.H.(Hons.), 143 Greenhill Road, Winchester, Hants.  
 1961 Humphrey, Mrs. B. (Miss J. L. Taylor), ditto.  
 1932 Hunt, H. J., 8 Salisbury Mansions, St. Ann's Road, Harringay, N.15.  
 1971 -Hunt, P. F., 9 Parsonage Lane, Windsor, Berkshire SL4 5EW.  
 1967 -Hutcheson, M., Garden Cottage, Sizergh Castle, Nr. Kendall, Westmorland.  
 1917 \*Hutchings, Miss A., 25 St. Leonards Road, Deal, Kent.  
 1964 -Hyde Trutch, Miss J. A. (See Mrs. Popham).  
 1935 -Hyland, G. A., S., D.Inst.P.A., D., 38 Hove Park Road, Hove, Sussex, BN3 6LJ.  
 1952 Iddenden, J., 1318 Beech Street, Picayune, Mississippi, U.S.A.  
 1952 Ibbotson, D., 79 Capstone Road, Bournemouth, Hants.  
 1969 -Iles, C., 37 Argyll Court, Faygate Road, Hampden Park, Eastbourne, Sussex.  
 1912 \*Illman, G. F., P.O. Box 24860, Karen/Nairobi, Kenya.  
 1966 -Ince, R., Grayfields Lodge, Thornhill Gardens, Hartlepool, Co. Durham.  
 1905 \*Ing, W. J., 5771-53rd Avenue, St. Petersburg, Florida, 33709, U.S.A.  
 1948 Ison, J. H., Director of Parks, Buile Hill Park, Salford, Lancashire.  
 1935 Ivey, A. W. J., 56 Erithway Road, Green Lane, Coventry.  
 1944 -Jackson, Mrs. C. F. (Miss B. Cooper), 2 Essex Court, Temple, EC4Y 9AP.  
 1940 Jackson, Mrs. Clifford M. (Taylor), Ashcroft, Ridgegate Close, Reigate, Surrey.  
 1948 Jackson, F. A., c/o Parks Dept., Southern Area, Stoke-on-Trent.  
 1915 Jackson, P. C. E., 13 Newstead Avenue, Burbage, Nr. Hinckley, Leics.  
 1948 Jackson, R. M., 32 St. Hilda's Avenue, Ashford, Middlesex.  
 1905 Jackson, T., Agric. S., Bot. Station, St. Vincent, B.W.I.  
 1947 Jackson, T., 8 Cherry Crescent, Winsford, Cheshire.  
 1957 Jakobsen, P. R., 31 Chestnut Road, Kingston, Surrey.  
 1936 James, E. B., 23 East Lodge, Brighton Road, Lancing, Sussex.  
 1945 James, Mrs. G. (Wilford), Foxmount, Quedgley, Gloucestershire.  
 1955 James, V. R., Royal Bot. Gardens, Hope, Kingston 6, Jamaica.  
 1960 Jayman, T. N., Pole Hill Park Lodge, Gainsborough Road, Hayes, Middlesex.  
 1961 Jayne, Fairman R., 52 Cumberland Circle, Asheville, N. Carolina, 28801, U.S.A.  
 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.  
 1955 Jew, P. J., Dir. of Res., N.D.H., N.D.H.(N.Z.), A.Inst.P.A., 28 Rewi Road, Epsom, Auckland, New Zealand.  
 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.  
 1958 Johnson, R., 37 Park Street, Barrowford, Nr. Nelson, Lancs.  
 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.  
 1955 Jones, A. S., "Falklands," Maidstone Road, Boro' Green, Kent.  
 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.  
 1966 -Jones, J. E. M., 27 Mountbatten Avenue, Sandal, Wakefield, Yorks. WF2 6HD.  
 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).  
 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.  
 1946 -Joy, G. S., Emmetts Lodge, Ide Hill, Sevenoaks, Kent.  
 1940 Judge, Miss B. H., Min. of Fuel & Power, Room 619, Westminster 7, Millbank, S.W.1.  
 1970 -Kachecheba, J., B.Sc., M.Phil., E.A.A.F.R.O., 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., 3 Nursery Cottages, Rotherby, Melton Mowbray, Leics.  
 1937 -Keith, R. H., 160 Centre St. West, Richmond Hill, Ontario, Canada.  
 1926 Kemp, H. W., H.G., Queen Anne's School, Cavesham, Oxford.  
 1935 -Kennelly, A. G., 80 Ravenswood Road, St. Clair, Dunedin, S.W.1, New Zealand.  
 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, Hoblingwell Wood Rec. Ground, Leesons Way, St. Pauls Cray, Kent.  
 1957 -Killick, Dr. D. J. B., Bot. Res. Inst., P.O. Box 994, 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 440, Mombasa, Kenya.  
 1913 Klaborg, 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 Koepp, K. (20A) Jeinsen N.R., 42 Unber Elze, Hanover Land, Germany.  
 1936 Koning, T. H., 57 Woltersweg, Hengelo (O), Holland.  
 1929 Korn, W. M., Inst. of Bot., Botanic Gardens, Leningrad, 22, U.S.S.R.  
 1946 \*Kruger, H. J., S., Duffryn Gardens, Glamorgan, Wales.  
 1938 Lagoria, E., La Mortola, Ventimiglia, Italy.  
 1933 Lake, E., 36 Gledwood Crescent, Hayes, Middlesex.  
 1941 -Laking, L. D., Royal Botanic Gardens, Box 399, Hamilton, Ontario, Canada.  
 1941 Laking, Mrs. B. M. (Farver), 1064 Unsworth Avenue, Burlington, Ontario.  
 1936 Lancaster, A. P., S., Hort. Divn., P.W.D., New Delhi, India.  
 1919 Landau, Miss M., Prejzdz, 36, Lodz, Poland.  
 1937 \*Langham, H. G., N.D.H., F.L.S., Orchard Heights, Green Lane, Churt, Surrey.

- 1939 Lannie, L., S. of Reserves, Reserves Dept., Nelson Park, Napier, New Zealand.  
 –Lanert, Dr. E., 15 Halford Road, Richmond, Surrey.
- 1969 Lawrence, J. B., 14 Napoleon Road, Twickenham, Middlesex.
- 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., 60 Parkway, Yallourn, Vic. 3838, Australia.
- 1963 Leaver, G. J., 110 Bellhouse Road, Eastwood, Leigh-on-Sea.
- 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., P.O. Box 994, Pretoria, S.A.
- 1937 \*Leith, G. J., Flat 1, The Library, Rose Hill, Hampton, Middlesex.
- 1971 –Leppard, M. J., 51 Ingles, Welwyn Garden City, Herts.
- 1945 \*Letch, Mrs. A. J. (Evans), The Old School, Bradwell, Nr. Braintree, 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, Flintshire.
- 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.
- 1952 –Littlewood, G., 177 Chesterfield Road, Matlock, Derbyshire.
- 1948 –Lockley, R. E., 20 Heather Close, Thurston, Nr. Bury St. Edmunds, Suffolk.
- 1931 Lomas, T., 18 Byron Gardens, Carshalton, Sutton, Surrey.
- 1930 Lorenzi, 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.
- 1971 Lovett, A. R., 9 Dovehouse Street, Chelsea, S.W.3.
- 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.
- 1939 MacCartney, F. M., Route 1, Box 587, Turner, Oregon, 97392, U.S.A.
- 1951 –MacGuffog, D., S., 46 Cobbold Avenue, Eastbourne, Sussex.
- 1938 \*Mackaness, F. G., c/o Portland Gen. Elect. Com., 621 S.W. Alder Street, Portland, Oregon, 97205, U.S.A.
- 1934 Mackenzie, J. G. C., 615 Tomoana Road, Hastings, New Zealand.
- 1942 –Mackinnon, F. H., 74 Grantham Road, London, S.W.9.
- 1925 \*Mackintosh, J. J., S., Park Cottage, Delapre, Northampton.
- 1919 \*Madan, Miss H. P. (See Mrs. Wood).
- 1963 –Maddox, J. A., 12 Barnard Gardens, Hayes, Middlesex.
- 1971 Maguire, D. T., 1 Leybourne Park, Kew, Surrey.
- 1910 †\*Maitland, T. D., M.B.E., A.H.R.H.S., Flat 7, 20 Embankment Gardens, S.W.3.
- 1930 Mann, J. A., D., Newcastle Parks Dept., Newcastle.
- 1969 –Mann, R. B., Stambourne Stores, Stambourne, Nr. Halstead, Essex.
- 1938 Mansell, P. W., "Meliden," Queens Road, Teddington, Middlesex.
- 1970 –Marchant, C. D., Ph.D., 3071 West 28th Avenue, Vancouver, 8, British Columbia.
- 1950 Marden, J. A., 250 Ladyshot, Harlow, Essex.
- 1961 –Marshall, H. S., M.B.E., F.L.S., 14 Holly Road, Stanway, Colchester, Essex, CO3 5HQ.
- 1964 –Marshall, R., 5 Hudson Close, Sturry, Nr. Canterbury, Kent.
- 1958 Marshall, W., S., 47 Sandwich Road, St. Neots, Hunts.
- 1942 \*Martin, Mrs., J.P. (Miss C. O. Bell), 55 Old Castle Road, Weymouth.

- 1919 \*Mash, Miss J. (See Mrs. Flack).
- 1962 -Matthews, T., F.L.S., F.Inst.P.A.(Dip.), M.Inst.B.C.A., J.P., Council Offices, Blaydon-on-Tyne, Co. Durham.
- 1954 -Maunder, P., N.D.H., F.Inst.P.A.(Dip.), Dip.Arb., 89 East Lodge Park, Farlington, Portsmouth.
- 1919 Maxted, Miss M., La Rochelle, Guernsey.
- 1935 May, J. E., Park Lodge, South Park, Ilford, Essex.
- 1930 Mayne, H. F., 68 Victoria Road, Hale, Cheshire.
- 1948 McCartan, J., S., The Bungalow, Coronation Gardens, Rhyl, Flints.
- 1936 -McCormack, P. F., A.H.R.H.S., D.I.P.A., The Bridge, Ibbotsons Lane, Sefton Park, Liverpool, 17.
- 1957 -McCracken, J. S., 69 Somerville Way, Prebendal Farm Estate, Oxford Road, Aylesbury, Bucks.
- 1929 -McCreadie, K., N.D.H., Chief Parks Officer, Civic Centre, Southend-on-Sea, Essex.
- 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.
- 1970 -McGillivray, D. J., P.O. Box 107, Castle Hill, N.S.W., Australia 2154.
- 1935 McKenzie, W. W., F.I.P.A., J.P., 12 Mitchell Street, Kilmarnock, Ayrshire.
- 1952 McLachlan, D. D., "Kanturk," Brant Road, Lincoln.
- 1952 McLachlan, P. A., 3501 Newark Street, N.W., Washington 16, D.C., U.S.A.
- 1966 -McLaughlin, O. D., "Landmark," Jenningsland, Smith Parish, Bermuda.
- 1911 McNab, J., 9 Coniscliffe Road, New Park Estate, Palmers Green, N.13.
- 1924 \*McPherson, J. A., N.D.H.(N.Z.), S. of Parks, Auckland, New Zealand.
- 1948 -Medcalf, J. G., N.D.H., D.I.P.A., Holly Lodge, 165 Hill Lane, Southampton, Hants
- 1947 Meherne, C. D., "Omanu," Upper Clifton Terrace, Sumner, New Zealand.
- 1916 Meili, K., St. Karlstr., 34 Lucerne, Switzerland.
- 1950 -Melles, A. M., 8 Church Street, Madeley, Dawley, Shropshire.
- 1952 -Mellors, G., 13 St. George Street, Hanover Square, London, W.1.
- 1968 -Melville, R., B.Sc., Ph.D., F.L.S., 121 Mortlake Road, Kew, Richmond, Surrey.
- 1957 Messenger, G. W., 11 Mere Close, Great Barton, Bury St. Edmunds, Suffolk.
- 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.
- 1968 Mikaya, S, Parks Dept., P.O. Box 1861, Mombasa, Kenya.
- 1942 -Milburn, Miss P. M. K. (See Mrs. F. Brooks Purchas).
- 1916 Miles, Sergt. S. H., Hill House, Little London, Nr. Basingstoke, Hants.
- 1957 Millard, R., Aylesbury College for Further Education, Hampden Hall, Stoke Mandeville, Bucks.
- 1971 Miller, B. C. B.,
- 1968 Miller, D. H., 81B Blatchington Road, Hove 3, Sussex.
- 1945 Miller, Miss E. M., Periton Farm House, Muirhead, Som.
- 1958 Mills, L. C. R., 50 Alexandra Road, London, N.W.8.
- 1971 -†Milne-Redhead, E. W. B. H., L.S.O., T.D., M.A., F.L.S., Parkers, 43 Bear Street, Nayland, Colchester, Essex, CO6 4HX.
- 1950 Milton, G., Parks Dept., Clacton-on-Sea, Essex.
- 1966 Mitchell, J., 4 Gladstone Avenue, Mosmon, N.S.W. 2088, Sydney, Australia.
- 1947 -Mitchellmore, C. J., N.D.H., Flintshire College of Horticulture, Northrop, Nr. Mold, CH7 6AA, Flintshire.
- 1956 -Moore, D. J., F.I.P.A.(Dip.), P.O. Box 108, Hamilton, Bermuda.
- 1930 Moore, R. E., Municipal B.G., Cape Town, South Africa.
- 1930 Moran, B. J. J., M.B.E., 185 High Street, Codicote, Hitchin, Herts.
- Morgan, Miss B. M., Beech Lane, Goytre, Pontypool, Monmouthshire.
- 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).
- 1935 Mottier, P., Avenue Leopold-Robert 83, La-Chaux-de-Fonds, Switzerland.



- 1937 \*Mowforth, R. K., N.D.H., The Farm Institute, Rodbaston, Penkridge, Staffs.  
 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., Portsmouth Parks Dept., Alexander Park, Northern Parade, North End, 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., Booth Cottage, Charlestown Road, Blackley, Manchester 9.  
 1928 \*Nelmes, W., M.B.E., V.M.H., A.H.R.H.S., F.I.P.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., The Old Dairy Cottage, Moreton-in-the-Marsh, Glos.  
 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 Square, 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, Shubbery Gardens, Wem, Shropshire.  
 1937 Offley, J., 86 The Alders, Heston, Hounslow, Middlesex.  
 1952 Offord, K. A., Cornerways, 5 Larchwood Close, Hadley Road, Ipswich.  
 1969 -Oliver, E. G. H., Bot. Res. Unit, Box 471, Stellenbosch, C.P., S.A.  
 1927 Orchard, O. B., "Orwinton," New Road, Broxbourne, Herts.  
 1952 O'Reilly, M., 2 Dalton Avenue, Bewsey, Warrington.  
 1928 -Ovenden, S. F., 34 Station Road, 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., Brooksby Agric. Coll., Brooksby, Melton Mowbray, Leics., LE14 2LJ.
- 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., 1 Arden H., Rear of Middlesex Cricket G., East End Road, Finchley, N.3.  
 1947 Parmentier, W. H., 7 New Street, St. Annes, Alderney, C.I.  
 1949 \*Parsons, C. R., The Holding, Shrimpney, Nr. Bognor Regis, Sussex.

- 1913 \*Parsons, T. H., O.B.E., F.L.S., 175 Alberta Avenue, Cheam, Surrey.  
 1958 -Paterson, A. P., N.D.H., M.Ed., Culham College, Nuneham Park, Oxford.  
 -Pattison, G., 28a High Street, Teddington, Middlesex TW11 8EN.  
 1926 Patton, H. S., S., Parks, Lloyd Park, Forest Road, Walthamstow, E.17.  
 1964 -Pead, C. B., 6 Wellmeadow Road, Hanwell, W.7.  
 1960 Pearce, D. G., T.A., Smethwick Park, Cemeteries and Allotments Dept., Greater London.
- 1933 \*Pearce, W., Pound Farm, Brockmanton, Nr. Leominster, Herefordshire.  
 1965 -Pearson, D. J., 26 North Crescent, North End, Durham City.  
 1959 -Pedley, A., D.I.P.A., 10 Parklands Avenue, Leamington Spa, Warwickshire.  
 1967 -Penberthy, B., 15 Atlantic Terrace, Camborne, Cornwall.  
 1950 -Perkins, B. L., F.L.S., Port Reitz, P.O. Box 9807, 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.  
 -Phillips, B., 45 Ennerdale Road, Kew, Surrey.  
 1964 Pierce, D. N., 28 West Hall 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.  
 1942 \*Plummer, Miss E. (See Mrs. Melville Towers).  
 1964 -Popham, C., Downhouse Cottage, Holly Bush Lane, Stoke Bishop, Bristol BS9 1JZ.
- 1964 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, Hersham, Surrey.  
 1957 -Powell, M. C., B.Sc., Ph.D., Flat 1, La Madeleine, Les Hubits, St. Martins, Guernsey.
- 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.,  
 1962 -Preston, W. T., April Cottage, Walmer Gardens, Ealing, W.13.  
 1949 -Price, J., "Greenbank," Sully Road, Penarth, Glam., CF6 2TX.  
 1906 †Pring, G. H., c/o Dr. Siebert, Dir., Longwood B.G., Pennsylvania 19348, U.S.A.  
 1967 -Pring, Miss G. M., 24 Shaftesbury Road, Richmond, Surrey.  
 1956 -Pringle, D. J., P.O. Box 40386, Nairobi, Kenya.  
 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 Neristad (Dosse), Germany.  
 1970 Protheroe, J., Barn Cottage, Redlands, Highworth, Wiltshire.  
 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.  
 1908 Pyman, G. W., 472 Pinner Road, Pinner, Middlesex.  
 1944 Pymont, 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, Bermuda.  
 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.

- 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., Inst.P.R.A., 46 Aberdulais Road, Gabalfa, Cardiff, CF4 2PJ.  
 1949 Richardson, C. L., D.I.P.A., Deputy Parks Supt., c/o Parks Dept., Cheltenham.  
 1931 \*Richardson, L. A., Garden Craft Nursery, 134 Hector Street, Osborne Park, 6017, Western Australia.  
 1969 -Ringia, W. J., Dar-es-Salaam City Council, P.O. Box 9084, Dar-es-Salaam, Tanzania.  
 Rippon, A. V., 567 Moore Road, Durban, South Africa.  
 1958 -Risely, T. F., N.D.H., D.I.P.A., 1 Harvey Road, Dunstable, Bedfordshire.  
 1936 -Robbie, I. R. S., Cemetery Lodge, Castle Road, Wellingborough, Northants.  
 1968 Roberts, J., 10 Little Lane, Ravensthorpe, Northants.  
 1954 -Roberts, M. S. F., 8 Briars Close, Nuneaton, Warwickshire.  
 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.  
 1937 †\*Robinson, G. W., V.M.H., A.H.R.H.S., A.L.S., M.A., 17 Knoll Drive, Styvechale, Coventry.  
 1931 Robinson, J. A. M., 17 Kingwood Place, Abergele, North Wales.  
 1965 -Robinson, K., D.I.P.A., "Woodleigh," High St., Woolton, Liverpool, L25 7TO.  
 -Robson, N. K. B., B.Sc., Ph.D., F.L.S., c/o Brit. Mus. Bot. Dept., Cromwell Road, S.W.7.  
 1970 Roby, B., Royal Botanic Gardens, Kew.  
 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, Scania, Sweden.  
 1948 -Rolls, E. V. H., A.I.L.A., A.Inst.P.R.A., "Summerlea," Breach Hill, Chew Stoke, Nr. Bristol.  
 1939 \*Ronco, L., Bordighera Piani, Borghetto, Italy.  
 1958 -Rooke, I. G., 97 Grove Road, Rayleigh, Essex.  
 1965 -Roome, C. W., East Lodge, Danson Park, Bexleyheath, Kent.  
 1963 Rose, A. J., A.Inst.P.R.A.(Dip.), The Lodge, Gardeners Drive, Newsham Park, Liverpool 6.  
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 1934 \*Rose, W. A., Colonial Research Inst., Freeport, Grand Bahama, Bahamas.  
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 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.  
 1906 \*Russell, P. T., Sunbeam House, Long Hanborough, Oxon.  
 1967 -Russell, T. A., 271 Hills Road, Cambridge.  
 1928 \*Rutter, W. G., H.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).  
 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., 6 The Watton, Brecon, Breconshire, Wales.  
 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.  
 1967 -Saxon, E., H.G., c/o Hawthorn Cottage, Telscombe Village, Sussex.  
 1924 \*Sayer, H. W., 17 Landcross Drive, Abington Vale, Northampton.  
 1962 -Sayers, C. D., 6 Stockton Road, Durham City.  
 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., N.D.H.(S.A.), 1 Medway Road, Westville, Natal, South Africa.  
 1967 -Scarr, Mrs. (Miss J. Nau).  
 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., Penrhas 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., Matthew Arnold School, Cumner Hill, Oxford.  
 1928 \*Shambrook, C. E. W., S., Parks Dept., The Arboretum, Monks' Road, Lincoln.  
 1944 \*Sharps, Miss F. A. (See Mrs. Ashby).  
 1949 Sharps, Miss J. (See Mrs. Hingston).  
 1938 -Shaw, F., N.D.H., Hort. Officer, Shire Hall, Cambridge, and 12 Warren Road.  
 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.  
 1955 -Shepherd, C. E. T., 14 Milner Crescent, Potters Green, Walsgrave-on-Sowe,  
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 1968 -Shepherd, I. L. M., 23 Woodnoor 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, Asamankere, 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 Custfield Avenue, Toronto, 12, Ontario, Canada.  
 1970 -Sinnott, N. H., 6 Eaton Rise, Ealing.  
 1968 -Skan, 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 Slieve Donard Nursery Co., Newcastle, Co. Down, N. Ireland.  
 1954 Smalley, E., Old Surrey Hall, East Grinstead, Sussex.  
 1967 -Smith, A. R., 49 Westbourne Road, Halesowen, Worcestershire.  
 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., 57 Gooderham House, Godman Road, Chadwell St. Mary, Essex.  
 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.  
 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, Moultsford, Walling-  
     ford, 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.
- 1901 †\*Spooner, H., 43 Highbury Avenue, Prestatyn, Flintshire, North Wales.
- 1946 -Sprague, Mrs. T. A., B.A., F.L.S., 7 Hatherley Road, Cheltenham, Glos.
- 1934 Spray, J. R., Eskbank Flower Farm, 48 Lothian Street, Bony Rigg, Midlothian.
- 1966 Sprunger, S., Starenstrasse 41, Basel 4000, Switzerland.
- 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.
- 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.
- Stevenson, Miss J., 19 Dunstable Road, Richmond, Surrey.
- 1908 \*Stirling, E., Danelachan, Colliston, Nr. Arbroath, Scotland.
- 1927 †\*Stock, C. R., P.P.Inst.P.A., 14 The Mead, Beckenham, Kent, BR3 2PE.
- 1953 Stone, C., 87 Crescent Road, Toronto, Ontario, Canada.
- 1950 -Stone, G. E., Orient Leaf Tobacco Co. Inc., P.O. Box 84, Makati, Rizal, Philippines.
- 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., 122A Kew Road, Kew, Richmond, Surrey.
- 1958 -Strabel, J. F., 135 Queen Road, Vicars Cross, Chester, CH3 5HF.
- 1948 -Straughan, R. E., N.D.H., Derbyshire Agricultural College, Morley, Nr. Derby.
- 1930 -Studley, E. W., F.I.P.A., A.H.R.H.S., 60 Southbrook Road, Langstone, Havant, Hants. PO9 1RN.
- 1969 -Styles, P., 52 Cowper Road, Ham Common, Kingston, Surrey.
- 1964 -Summerhayes, V. S., O.B.E., B.Sc., Red Gates, Manstone Lane, Sidmouth, Devon.
- 1969 -Summerwell, P. C., 7 St. Leonards Road, Winchester, Hants.
- 1957 -Summer, R. J., 43 Churchfields Road, Beckenham, Kent.
- 1958 -Sutcliffe, T., Crosse Farm, Cheriton Bishop, Nr. Exeter, Devon.
- 1937 -Swift, H. W., 2330 Euclid Heights, Boulevard, Cleveland Heights, 6, Ohio, 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.
- 1936 \*Taylor, J. C., Ontario Agric. College, Guelph, Ontario, Canada.
- 1961 Taylor, Miss J. L. (See Mrs. B. Humphrey).
- 1947 -Taylor, J. O., N.D.H.(N.Z.)N., 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., Parks Supt. Office, Municipal Offices, Chelmsford, Essex.
- 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., Manager of Parks Dept., Box 4, Alberton, South Africa.  
 1903 Thomas, Ernest, 1514 Chestnut Street, Philadelphia, Pa., U.S.A.  
 1911 \*Thomas, H., Grange, Buccleuch Street, Innerleithen, Peebleshire, Scotland.  
 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., 139 Castelnau, Barnes, S.W.13.  
 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.  
 1960 Toft, K. G., 2 Westlecot Road, Swindon, Wilts.  
 1959 Tomlinson, D., Dip.Arb., 83 Blackstock Road, Stoke Newington, N.4.  
 1959 -Tomlinson, M. J., 89 Linden Crescent, Folkestone, Kent.  
 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., Flat 2, Daisybank Farm, Holmes Chapel Road, Lower Withington, Nr. Macclesfield, Cheshire.  
 1964 Trewinnard, R., 45 Laburnum Road, Cumbernauld, Glasgow.  
 1946 -Trower, Miss S., Little Crown, Ewhurst, Surrey.  
 1970 -Tuck, J., 25 Hillfield Road, Comberton, Cambridgeshire.  
 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 Road, Winchester, Hants.  
 1960 Turton, K. J., 190 Woulton Road, Liverpool 19.  
 1948 Tweedale, F., Dep. Dir., Parks Dept., Newcastle-upon-Tyne.  
 1963 -Tyas, M., 54 Edgbaston Park Road, Birmingham, 15.  
 1956 -Tyte, J. S., 22 Woodhall Close, Downend, Bristol, BS16 AJ.  
 1926 Vallance, J. C. S., 12411 Feldon Street, Silver Spring, Maryland, U.S.A.  
 1938 Van Rynveld, C. C., 808 Old Main Road, Cowies Hill, Pinetown, Natal.  
 1934 \*Vanson, G. H. C., Supt's. Office, The People's Park, Wilholme Road, Grimsby.  
 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), 13/2 Wester Drylaw Row, Edinburgh EH4 2SF.  
 1934 -Walby, A. P. S., Cutteslowe Park, Summertown, Oxford.

- 1902 Waldenburg, N., Alnarps, Tradgardsskola, Nr. Akarp, Sweden.  
 1937 -Walker, W. F., 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., East Park Lodge, Saltwell Park, Gateshead, 9, Co. Durham.  
 1963 -Ward, R. C., 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., 27 Ormskirk Road, Knowsley, Lancs. L34 8HB.  
 1937 -Wass, B. B., 87 Berkeley Avenue, Reading, Berkshire, RHL 6HS.  
 1937 \*Watson, D. P., B.S.A., M.Sc.(Lond.), Ph.D., Univ. of Hawaii, Honolulu, Hawaii.  
 1954 Watson, G., Area Horticulturist, Hort. Section, P.O. Box 5382, Johannesburg, Transvaal, South Africa.  
 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., Friary House, Friary Park, Friern Barnet Lane, Friern Barnet, N.12.  
 1948 -Waumsley, N., 25 Manor Gardens, Shepshed, Loughborough, Leics.  
 1908 \*Weber, A., Niedershausen, Oberlahnkries, Germany.  
 1968 -Webster, A., Top Flat, 43 Bathwick Street, Bath, Somerset.  
 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).  
 1936 -Wells, D. V., A.H.R.H.S., 23 Meadow Close, Ruislip, Middlesex.  
 1923 \*Welsh, H., 19 Highfield Avenue, Harpenden, Hertfordshire.  
 1938 Werder, H. A., 31 Rue Racine, Montrouge (Seine), France.  
 1943 \*Werner, H. F., Myrtenhof Farm, P.O. Berlin, C.P., 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 -Whitehead, J., Merrist Wood Agric. Coll., Worplesdon, Guildford, Surrey.  
 1962 -Whitehill, J. A. E., 2, 3rd Avenue, Genelg East, Helmsdale, Adelaide, South Australia, 5045.  
 1966 -Whiting, Miss M. M., Roxburgh House, Cranbrook, Kent.  
 1969 Wickham, R., The Inst. of Agric., Writtle, Nr. Chelmsford, Essex.  
 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., Agri. Officer, Entebbe H.Q., Nairobi, Kenya.  
 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.  
 1936 -Williams, R. F., Westmead, Kingsland, Nr. Leominster, Herefordshire.

- 1938 -Willis, H. H., S., 259 High Street, Uxbridge, Middlesex.  
 1947 -Wilmott, C. J., Dene Lodge, Saltwell Park, Gateshead 8, Co. Durham.  
 1936 Wilson, A. S., Govt. House Gardens, Bengal, India.  
 1966 -Wilson, P. E., 81 Link Lane, Wallington, Surrey.  
 1972 -Wilton, S. A., 36a Trevean Road, Penzance, Cornwall.  
 1925 \*Wiltshire, T. W., c/o Parks Dept., Wedal Road, Roath Park, Cardiff, S. Wales.  
 1942 Wincott, Mrs. (Miss M. H. Lancaster), The Gardens, Holkham Park, Wells-next-the-Sea, Norfolk.  
 1964 -Winter, J., c/o Nat. Bot. Gdns., Kirstenbosch, Newlands, C.P., South Africa.  
 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., Honister Place, Newton Aycliffe, Nr. Darlington, Co. Durham.  
 1970 -Wood, G. P., N.D.H., "Mauresque," 83 Windlehurst Road, High Lane, Stockport, Cheshire.  
 1950 \*Wood, P. L. D., N.D.H., c/o Box 189, Salisbury, Southern Rhodesia.  
 1947 -Woodward, A., N.D.H., F.Inst.P.A.(Dip.), 275 Tudor Drive, Kingston-on-Thames, Surrey.  
 1923 Woodhouse, P. J. C., Queen's Park, Glasgow, S.2.  
 -Woolliams, K. R., Box 758, Koloa, Kawai, Hawaii, 96756, U.S.A.  
 1967 Wooton, Mrs. H., 6 Arlington Close, East Twickenham, Middlesex.  
 1954 Worraker, E. H. W., Hadlow College of Agriculture, Hadlow, Kent.  
 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.  
 1933 \*Wright, F. H., 31 Elliot Road, Peterlee, Co. Durham.  
 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 \*Ziedenisberg, D., 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.

We are anxious for the above list to be accurate. Please do not fail to advise the editor of any corrections, changes, or if we have missed qualifications or decorations.



## LIST OF OLD KEWITES WHOSE ADDRESSES ARE UNKNOWN

- |      |   |      |  |
|------|---|------|--|
| 1965 | Akance, L. A.                                 | 1931 | *Lee, L. A.  |
|      | Anderson, J. W.                               | 1965 | Manger, G. L.                                      |
| 1954 | Ashley, R. F.                                 | 1934 | Martin, L. P.                                      |
| 1965 | Barber, A. V. H.                              | 1959 | Mason, J. D.                                       |
| 1956 | Baylis, C. L.                                 | 1954 | Massey, A.   |
| 1953 | Bentham, H.                                   | 1949 | May, C. J.   |
| 1958 | Bingham, C. A.                                | 1969 | McKarry, B. G.                                     |
| 1959 | Bird, S. F.                                   | 1942 | Melville Towers, Mrs. Lismore<br>(Miss E. Plummer) |
| 1945 | Blowers, J. W., A.H.R.H.S.                    | 1971 | Miller, B. C. B.                                   |
| 1956 | Boulton, J. B.                                | 1963 | Mitchell, A. J.                                    |
| 1951 | Brooks, V.                                    | 1933 | Mould, A.  |
| 1943 | Brown, J.                                     | 1969 | Norwood, D. A.                                     |
| 1951 | Brown, J.                                     | 1960 | Pierce, A.   |
| 1949 | Child, R. F.                                  | 1940 | Prior, M. C.                                       |
| 1945 | *Clarke, P.                                   | 1934 | Robinson, H. P.                                    |
| 1936 | Cross, G. H.                                  | 1965 | Robinson, K.                                       |
| 1959 | Crossman, J. H.                               | 1967 | Saxon, E.  |
| 1953 | Dally, H. R.                                  | 1951 | Scott, G. S. G.                                    |
| 1965 | Duncan, C. M., N.D.H.                         | 1969 | Shorey, M. J.                                      |
| 1959 | Dunnenberger, W.                              | 1937 | Simmonds, F. L.                                    |
| 1945 | *Farmer, Mrs. W. O.<br>(Miss J. M. Thompson). | 1953 | Smith, I. L.                                       |
| 1942 | Flew, Miss M. G.                              | 1934 | *Stanley, M.                                       |
| 1936 | *Fossum, M. Truman                            | 1948 | Stevenson, Mrs. E.                                 |
| 1967 | Gaskin, G. M.                                 | 1967 | Tennant, J. R.                                     |
| 1934 | *Ginkel, C. van                               | 1913 | *Tindall, H. B. A.                                 |
| 1967 | Goddard, H. N.                                | 1961 | van der Breggan, J. G.                             |
| 1966 | Gordon, C. E. B.                              | 1938 | van Ryneveld, C. C.                                |
| 1955 | Hamblett, N.                                  | 1967 | Vivian, A.   |
| 1971 | Haywood, L.                                   | 1948 | *Ward, O. J.                                       |
| 1956 | Hind, H.                                      | 1968 | Wheatley, G. G.                                    |
| 1947 | James, K. H.                                  |      | Wickens, E. G.                                     |
| 1960 | Johnston, M. A.                               | 1959 | Willis, J. H.                                      |
| 1949 | Lavender, F. R.                               | 1959 | Willoughby, B. J.                                  |

## RULES OF THE KEW GUILD

### *Name of the Society.*

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

### *Objects.*

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

### *Membership.*

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

- (b) before coming to any decision the Committee shall give the member affected proper facilities for stating his case to them either orally or in writing as the Committee may determine.

*Annual Subscriptions.*

- (7) The Annual Subscription which shall be payable on January 1st of each year shall be such a sum as the Annual General Meeting shall from time to time determine and shall entitle members to all publications of the Guild. A member whose subscription is one year in arrears shall not receive further publications until his arrears be fully paid. The annual subscription is at present £1. (Student Gardeners 50p).
- (8) Any member whose subscriptions are fully paid may on the payment of a lump sum predetermined by the Annual General Meeting become a Life Member and be entitled to all the privileges of the Guild without further payment. A sum representing not less than one-half of each life subscription shall be invested in the name of the Trustees and the liabilities to Life Subscribers shall be clearly shown in the annual Statement of Accounts. The provisions of this Rule may be suspended by resolution of an Annual General Meeting for such period as the Annual General Meeting shall think fit. (This rule is at present suspended.)

*Management of the Guild.*

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

*Election of Officers, Committee, and Auditors.*

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

*Meetings.*

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

- (14) At a General Meeting each individual member whose subscription is fully paid up to the date of the meeting shall have one vote and no more except the Chairman who shall have a second or casting vote in the case of an equality of votes.

*Alterations to the Rules.*

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

*Dissolution of the Guild.*

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

*Property of the Guild and Trustees.*

- (17) (a) The Guild may purchase or otherwise acquire and hold property of any nature and may sell lease mortgage or otherwise deal with the same. Any property belonging to the Guild may be invested in the names of not more than four and not less than two Trustees who may be appointed from time to time by the Committee and any vacancy amongst such Trustees shall be filled by the Committee. Such property may also be invested in the name of a limited company established by and under the control of the Guild for trust purposes.
- (b) Such investments may be in or upon such shares, stocks, funds, securities, investments, and property, real or personal, freehold or leasehold in any part of the world upon such terms and conditions (if any) as the Committee shall in their absolute discretion think fit and in all respects as if the Committee were the sole beneficial owners thereof. The Committee may from time to time direct the Trustees to sell vary and transfer such investments and property.
- (c) The Committee may deal with the said investments as if they were the sole beneficial owners thereof.
- (d) If legal proceedings of any kind are resorted to or defended by the Guild the Trustees shall on the instructions of the Committee but not otherwise prosecute or defend such proceedings either in the name of the Guild or in the name of the Trustees or otherwise on behalf of the Guild as may be necessary.
- (e) The Trustees shall in all respects act as required by the Committee and a copy of a minute of the Committee signed by the Honorary Secretary shall be conclusive evidence of its decision.

- (f) Any Trustee may be removed from office by a resolution passed at a meeting of the Committee by a vote of not less than three-quarters majority of the members of the Committee present and voting at the meeting. At least seven clear days' notice of a special meeting to remove a Trustee shall be given to all members of the Committee and the agenda for the meeting shall state concisely the reasons why the removal is considered necessary and the accused Trustee shall be permitted to make his defence orally or in writing.
- (g) The Trustees shall be effectively indemnified by the Committee from and against any liability costs expenses and payments whatsoever which may be properly incurred or made by them in relation to the trusts of the property and investments of the Guild or in relation to any legal proceedings or which otherwise relate directly or indirectly to the performance of the functions of a Trustee of the Guild.
- (h) Except where otherwise provided the Trustees may act by a simple majority of those present and voting at a meeting of the Trustees.
- (i) The Trustees shall from among their number appoint an Honorary Secretary.