

THE
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OF THE
KEW GUILD

AN ASSOCIATION OF MEMBERS OF THE KEW STAFF
PAST AND PRESENT

FOUNDED 1892

EVENTS OF 1970

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(with Index for 1961-70)

ROYAL BOTANIC GARDENS

KEW

Trustees : Sir GEORGE TAYLOR, D.Sc., F.R.S., F.R.S.E., F.L.S., V.M.H.
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Retire 1972

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J. R. WOODHAMS (Meetings). R. I. BEYER (Badges).
 S. W. RAWLINGS (Records).

ORGANISATIONS OF KEWITES OVERSEAS

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President : LESLIE LAKING,
 Director, Royal Botanic Gardens, Box 399, Hamilton, Ontario, Canada.

Secretary : SAM BRIDGE,
 437 North Street, Greenwich, Connecticut, 06832, U.S.A.

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Chairman : NOEL LOTHIAN,
 Director, Botanic Gardens, Adelaide, Australia.

Secretary : TONY WHITEHILL,
 2, 3rd Ave., East Geelg, Helmsdale, Adelaide, S. Australia, Australia 5045.

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

A SPECIAL OCCASION COMMEMORATED

It was too good an opportunity to miss! The Queen at Kew, a new wing of the Herbarium and a new garden to be opened—the Guild had to make a worthy record of the occasion. The Committee long ago decided that a special write-up was called for and this developed into a supplement to the *Journal* with 1,000 copies being issued. Printing costs being what they are, we had to decide how much people would be prepared to spend and five shillings seemed to be the maximum—but could we sell 1,000 copies, as 500 would cost 7/6d. ex-works! By issuing it as part of the *Journal* we could not expect many Kewites to buy it, as the market there was already saturated, so we gave them a bright orange cover, spent even more on a glossy leaflet and got notices in various magazines to bring it to the notice of the public.

Sales have been encouraging. Half the stock has gone and we hope the rest will go during 1971, as it is on sale at the Gardens publication kiosk and the more thoughtful visitors buy them. We sold some at the A.G.M. of the Botanical Society of the British Isles, more were sold at a conference of African taxonomists at Munich, and visitors to the Herbarium are glad to have copies. Requests have come in by post from all over Europe, South Africa and Canada, and we hope many more will be asked for as a review recently appeared in *Taxon*, the journal of the International Association of Plant Taxonomists.

A copy was presented to the Queen herself and I received the following letter from Buckingham Palace, “Dear Sir, I am commanded by The Queen to convey her thanks to you and the members of the Kew Guild for the copy of the booklet *The Queen's Garden and Herbarium* which you kindly sent with your letter of 26th May and which she is very pleased to accept. Yours sincerely, Lt.-Col. Rt. Hon. Sir Michael Adeane, Private Secretary to the Queen”.

F. NIGEL HEPPER, *Hon. Secretary.*

KEW GARDENS FETE

FOR THE FIRST TIME THE STUDENTS ARE HOLDING A FETE ON THE GREEN BY THE MAIN GATES.

DATE — 3rd JULY, 1971, 2.30 p.m. onwards

Ideas and assistance welcomed.

Miss M. Axton, Royal Botanic Gardens, Kew.

PERCY JAMES GREENWAY

President, 1970/71

P. J. Greenway, known as Peter, rather than Percy, was born in South Africa on the 8th March, 1897, but left that country for England in 1906. He was a student at the East Anglian Institute of Agriculture, at Chelmsford from 1912 to 1914, and then at the Royal Horticultural Society's Gardens at Wisley for the next two years. From 1916 to 1919 he served in the Great War, both in France and Italy. After returning to Wisley for a year at the end of the war he entered the Royal Botanic Gardens, Kew, first as a Student Gardener (1920-21) and then as an Herbarium Assistant (1921-24). The following year he worked with Dr. Burt Davy on the Flora of Transvaal. During the period 1925-1928 he was a Demonstrator in Systematic Botany at the Imperial Forestry Institute at Oxford. He received no formal university scientific training but, in 1951, the University of Witwatersrand recognised his botanical work by conferring on him an honorary degree of Doctor of Science and he received the award of an O.B.E. in the New Year's honours of the same year. His name is perpetuated in the generic name *Viridivia* Hemsley & Verdcourt (Passifloraceae).

He arrived at Amani, Tanganyika, now Tanzania, in April, 1928. The herbarium was much as the German botanists had left it, with a large number of plants unnamed and many bundled up in no order. The herbarium amounted to some 10,000 sheets and in that year 205 plants were received for naming. In 1957 the herbarium totalled 110,000 sheets, with possibly a further 20,000 named specimens awaiting mounting or laying away and, during that year, 8,000 plants were received for naming or in exchange. Until 1948, Dr. Greenway worked without any European assistants and the initial building up of the herbarium was entirely due to his energy. It is obvious that the immense amount of work needed to reorganise and build up the herbarium was not confined to normal office hours. He always insisted that service to the public came first and lists of determinations reached collectors with a rapidity that is most unusual in museum work! Visitors have always been received with unflinching courtesy. One of the most noticeable features of the herbarium is the meticulous way in which types are written up and other citations marked on the sheets concerned. The library accompanying the herbarium is rich compared with the size of the organisation mainly due to the fact that it is based on an exceedingly valuable nucleus from the former German Institute at Amani. Whilst in Tanganyika, Greenway also acted as an Honorary Forest Officer.

Dr. Greenway's main interests have always been centred around ecology and collecting rather than pure systematics. He has made considerable collections in Zanzibar, Pemba, Mafia and Northern Rhodesia, as well as in the three East African territories, and has always made a point of collecting in fours.

(continued on page 1114)



PERCY JAMES GREENWAY,
President 1970/71



EDGAR FRANK COWARD,
Vice-President 1970/72

E. F. COWARD
Vice-President 1970-72

Edgar Frank Coward is now in his 76th year. Our Vice-President's early horticultural training was in private establishments in Hampshire. In 1914 he volunteered for the army and served with the infantry in India, Palestine, Belgium and later in Germany where he was in the Army of Occupation for several months before demobilisation in 1919.

His first post after this period was as a gardener with the Imperial War Graves Commission, mainly in the Ypres Area. He took an active part in the formation of the Ypres Social Club and organised the Horticultural and Sporting interests. Coward also worked for the improvement of the social conditions of the War Graves Staff of those days.

In 1921 Coward left the Commission for training at Kew as a student and was in the Decorative Department under the late Mr. Coutts for the entire period of his service in the Gardens. From Kew he obtained an appointment as Foreman Gardener in the Cardiff Cemeteries Department, where extensive developments were in progress. True to his interest in local activities, he joined the Horticultural Society and acted as Secretary for some three years.

In 1928 Coward was appointed Cemeteries Superintendent to the then Metropolitan Borough of Fulham, a post which he held for 33 years until his retirement in 1961. During this period he served for many years both on the Guild Committee and as an Auditor—a fine record of service to the Guild. His interests were wide and in 1929 he became Hon. Secretary of the Southern Area membership of the then National Association of Cemetery and Crematorium Superintendents (now the Institute of Burial and Cremation Administration), a post which he held until 1936 when he was appointed as General Secretary. In 1945 he was forced to resign from this position owing to the extensive bombing which completely disorganised his family and office arrangements. In 1949 he was honoured with the Presidency of the Institute, and later with Life Membership for services rendered. E.F.C. also gave two papers at the Institute's Annual Conferences—in 1932 on "Trees and Shrubs suitable for Cemeteries" and in 1952 on "The construction of Lawn Cemeteries Lay-out".

In connection with this work, Demonstration Plots, organised with the full approval of the Fulham Borough Council, were widely visited by representatives of local government authorities from various parts of the country, including Scotland, and Coward also acted in an advisory capacity.

He is now enjoying his retirement, still in the London Area, with his family and friends and a large garden.

(continued from page 1110)

He never gave his numbers to unicate specimens or only very rarely; such things being brought back and given herbarium numbers.

Sets of his plants are at Kew and Pretoria as well as at Nairobi and a further set distributed to a variety of institutions (according to the nature of the specimens) such as the Imperial Forestry Institute at Oxford, Brussels, Missouri and other places. One of his major tasks was to enumerate the plants growing in cultivation at Amani which possessed a botanical garden of unrivalled excellence. The results of this survey have never been published but are available in a large typescript of which several copies are in existence. A similar typescript covers his exceedingly interesting survey of Mafia Island. The reason that these surveys have not been published is due to the lack of encouragement afforded by the authorities. In his early days his pioneer work was not always assisted as it should have been. His collections will, however, form a nucleus for all work done in E. Africa. Scarcely any genus can be elaborated without citing at least one of his specimens. It was an intense disappointment to him when it was decided by the "Powers that be" to move the scientific research station from the beautiful surroundings of Amani to Nairobi, a most uncongenial locality with all the disadvantages of a large town. The abandonment of the outstanding collection of plants in cultivation at Amani is a crime on the part of the authorities which neither he nor most other lovers of nature will ever forgive or even understand.

Dr Greenway's contributions to literature have been rather few compared with some other tropical workers but they include two editions of an excellent Swahili dictionary of plants, ecological papers concerning Mt. Hanang and Mpwapwa (two areas in Tanganyika) and numerous short compilations on drug and food plants, timbers, etc., published in the local agricultural journal. He rarely ventured into pure systematics and E. Africa is scarcely the place where such a course is advisable since, although the library is good, it is scarcely good enough for research purposes. One of his most valuable contributions were the notes he gave to Mr. Brenan when the latter was writing his voluminous Check List of Tanganyikan woody plants. Greenway's assistance was readily given to a very large number of authors. His meticulous reading of manuscripts has prevented numerous errors, in fact, in many cases, the manuscript has been so improved that his name would be more worthy of a place on the title page than the original author's. For several years he also edited the *East African Agricultural Journal*.

He will be much remembered for his overwhelming hospitality to innumerable visitors, both local and foreign, who frequently stayed with him for months. His houses always became popularly called "Hotel Greenway"! As an employer he was without fault

and exceedingly kind. He has a remarkable aptitude for training African staff to whom he showed his usual patience and kindness.

Since his retirement as Botanist-in-Charge of the East African Herbarium at the end of March, 1958, Dr. Greenway has been, and still is, very active, making official vegetation surveys of the famous National Parks of Tanzania and Kenya. (Adapted from a notice in *Taxon* 7 : 69-71 (1958) by B. Verdcourt.)

ANNUAL DINNER

The Annual Dinner was held on Tuesday, 19th May, 1970, at the Chatham Restaurant, Victoria Station, when a record number of 163 attended.

After the meal, the President, Mr. C. R. Stock, called for the traditional Toast of "Her Majesty The Queen". The Toast to "The President" was proposed by Mr. F. P. Knight. Mr. Stock responded—after a few remarks concerning his experiences of Kew as a student our President developed the main theme of his speech. It concerned the "Future of the Kew Guild".

He contended that we had been content for too long with a pattern which was effective in the early days of the Guild. He asked for a long, hard look at the organisation, not he hastened to add, to change for the sake of change. Mr. Stock quoted the recent Expedition to Guyana as an example of broadening the activities of the Guild. He continued—"I have evidence through Guild Members that further financial support for such ventures could be forthcoming from such bodies as Local Government and Botanic Gardens, both here and overseas".

Other matters which he dealt with included the exchange of students between Botanic Gardens overseas and Kew, and the possibility of an intermediate publication to the *Journal*. Our President's suggestion was—"A full *Journal* once a year with names and addresses as at present, and one or even more, smaller periodicals with a special American, African or Australian number highlighting the activities in a particular area".*

Mr. Stock then concluded with his "pet idea" of increasing the usefulness of the Guild by Associations abroad and gatherings at home. He referred to the response he had received in this connection from Australia and South Africa. The Toast to "The Kew Guild" followed. The Final Toast of the evening, that of "Our Guests" was proposed by a third-year student, Mr. G. Armstrong. Mr. A. G. Harris, the Principal of Merrist Wood Agricultural College, responded, the other Guest being Mr. W. F. H. Harding, Chief Horticultural Officer to the Commonwealth War Graves Commission.

The speeches had been short, thus leaving a good lengthy period for informal discussion and reunions. The Dinner was a very successful one.

* A publication in the form of a News leaflet was produced by our Secretary, Mr. F. Nigel Hepper, and was sent out to Members with the A.G.M. Notices.

ANNUAL GENERAL MEETING, 1970

The A.G.M. was held in the Lecture Theatre at Kew on 19th September, 1970, at 2.30 p.m. The President, Mr. C. R. Stock, P.P.Inst, P.A., took the Chair, with the Hon. Editor, Mr. G. E. Brown, the Hon. Treasurer, Mr. J. B. Simmons, the Hon. Secretary, Mr. F. N. Hepper and 41 other Members present. Mr. Stock opened the meeting by welcoming members and giving a résumé of his year as President. He said he had intended to arouse interest in the Guild at home and overseas, and he now wanted to report on his success. He had corresponded with Kewites in Australia, New Zealand and South Africa. Mr. Lothian in Adelaide agreed to contact other Kewites in Australia, in spite of distance involved. Similarly, Kewites in South Africa are interested in maintaining a closer relationship at home. Mr. Stock also reported on his meeting with Kewites at the Parks Conference in Bournemouth. In the Committee, the members had considered the importance of his proposals and an immediate result was the issuing of a News Leaflet by the Secretary in August. He commented that most of the Officers of the Guild are serving members of the Kew Staff and he would like to see other Kewites giving a hand.

Turning to the Agenda, apologies of absence were read and the minutes of the 1969 A.G.M. adopted.

The Accounts were approved, and the Treasurer reported that while 1969 showed the normal pattern with a satisfactory balance, 1970 showed a deficient position owing to the issuing of the Supplement "The Queen's Garden and the Herbarium". The meeting appreciated Mr. Simmons' hard work in keeping the accounts so well.

Ties, etc. Sales were slow : during the year six ties, two blazer badges and one car badge had been sold. It was decided to discontinue blazer badges.

Membership. 1970 figures showed 367 paid up members away from Kew, 55 staff and 22 students, giving a total of 704, including life-members. We need more paid up members to keep abreast of rising costs.

Journal. Mr. Brown reported that the 1970 issue had met with a good response yet it was with some trepidation that 1,000 extra copies of the Supplement had been printed, as it had involved the Guild in an expenditure of £220. It was also difficult to decide how many extra copies of the *Journal* to print as demand varied : at present 50 extra are printed. The index to the last volume will be issued next year which is a big undertaking and will also be quite expensive.

Photographs. The Secretary reported that the Hunt Botanical Library had expressed interest in the collection and it might be possible for some of the photographs to be copied for inclusion in their collection of portraits.

Dinner. A record number of 163 attended the dinner in May. However, the question of a new venue was proposed by several members, following dissatisfaction with the quality of service and the food. The Committee had therefore appointed a Sub-Committee to look into alternatives and the Imperial College Refectory had been selected by them for 25th May, 1971, after much investigation and discussion.

Students' Prize Day had taken place on the previous day, 18th September, and the prizes were presented by Mr. F. W. Shepherd in the presence of Sir George Taylor, the Director, and Mr. C. R. Stock representing the Guild.

Retiring members of Committee were as follows: Mr. R. Desmond, Mr. J. Middleton, Mr. L. Ronco and Mr. C. W. Rudd.

Mr. E. Milne-Redhead and Mr. F. Ballard also completed their term as Past President and Vice-President respectively. Mr. G. D. Armstrong was the retiring student representative.

Alterations to the Rules. The proposal was to reword Rule 3a and 3b. After considerable discussion the amendments were carried and the rules now read as shown on p. 1192. During the discussion Mr. Prockter said he was not sure what was meant by Kew Staff and it seemed that anybody could be a member—the Guild started for the students, but now few are members, yet they receive the prizes. Mr. R. C. Ward proposed (by letter) that the phrase “by unanimous decision of the Committee” be inserted in 3b, but this was rejected when Mr. Storey pointed out that it would give one member a right of veto. Mr. Eul, too, had faith in the good sense of the Committee to admit the right people. Mr. Simmons in proposing the amendment said there were 500 on the staff of whom 250 were non-industrial, but there was often a fine division without a logical point of separation, and the changes would allow experienced staff to join the Guild.

Election of Officers, Members of the Committee and Auditor. Those nominated by the Committee were all elected unanimously. Their names appear on the inside of the title page of this issue of the *Journal*.

Any other business. Mr. Lycett suggested a questionnaire be circulated to members requesting ideas for implementation by the Guild. Mr. Eul gave greetings from Mr. Jimmy Harris who left Kew in 1899, and Mr. Eul had been called to his death-bed three times in recent years but he wouldn't give in.

The business was completed at 4.5 p.m., and members and friends joined up for tea, which was held in the Herbarium owing to the closure of the Orangery for repairs. The Herbarium staff room proved to be very suitable.

F. NIGEL HEPPER, *Hon. Secretary.*

INCOME AND EXPENDITURE ACCOUNT

1969		DEBIT	1970	
£	s.		£	s.
		To Kew Guild Journal:		
		Printing 1969 Journal (inc. blocks)	425	2 4
		Envelopes	4	18 9
		Postage for Journal	15	5 10
410	13 8		<u>445</u>	<u>6 11</u>
		Less Journal Sales	18	12 3
				426 14 8
40	19 0	To Prizes awarded by the Guild, 1970		49 7 0
		To Annual General Meeting and Teas:		
		Printing, postage, envelopes, etc....	17	2 8
		Less Loss on Tea	1	5 0
13	0 10			18 7 8
19	14 1	To Hon. Officers' Expenses ...		20 16 7
23	16 3	To Benevolent Payments and Wreaths		14 0 6
		To General Printing, Postage and Stationery		31 10 6
20	4 8	To Typing and Clerical Expenses ...		31 19 6
16	15 0	To Insurance, Bank Charges and Engraving		2 17 3
1	1 0			
				<u>595 13 8</u>
546	4 6			78 9 7
123	4 8	Income exceeds Expenditure ...		
				<u>£674 3 3</u>
				<u>£699 9 2</u>
3,919	4 8	Balance as per Balance Sheet ...		4,004 15 9
				<u>£3,919 4 8</u>
				<u>£4,004 15 9</u>

THE KEW GUILD BALANCE SHEET

1969		LIABILITIES	1970	
£	s.		£	s.
3,919	4 8	Capital Fund:		
		As per attached Statement of Assets		4,004 15 9
		Current Liabilities:		
		Life Subscribers—		
		73 @ £1 Os. Od.—half rate ...	36	10 0
		83 @ £2 Os. Od.—half rate ...	83	0 0
		78 @ £3 3s. Od.—half rate ...	122	17 0
		7 @ £5 5s. Od.	36	15 0
		14 no record		
286	3 6			<u>279 2 0</u>
				<u>£4,205 8 2</u>
				<u>£4,283 17 9</u>

FOR THE YEAR ENDED 31st DECEMBER, 1970

1969		CREDIT	1970			
£	s.	d.	£	s.	d.	
415	16	9	By Annual Subscriptions and Arrears	391	7	0
25	2	6	By Life Subscriptions and Donations	43	5	0
			By Dividends:			
			From Charities Official Investment Fund	191	18	9
172	5	1				
			By Interest from Deposit Account (Barclays Bank)	41	11	10
45	11	4				
			By Guild Annual Dinner:			
			Receipts from sale of tickets ...			
			Less cost of dinner, gratuities, fees, etc.	6	0	8
2	5	0				
<hr/>						
£699	9	2		£674	3	3
<hr/>						
			Balance as at 1st January, 1969 ...	3,919	4	8
			Reduction of Life Subscriptions Liabilities	7	1	6
			Add Excess of Income over Expenditure	78	9	7
				85	11	1
<hr/>						
£3,919	4	8		£4,004	15	9
<hr/>						

FOR THE YEAR ENDED 31st DECEMBER, 1970

1969		ASSETS	1970			
		Invested Assets:				
3,100	0	0 Charities Official Investment Fund (3,155 Shares @ cost) ...	3,100	0	0	
		Current Assets:				
		Journals: nominal value of stock...	89	12	10	
		Guild Emblems (Purchase Value)	109	7	1	
		Christmas Cards (Purchase Value)	29	16	0	
		Booklet—"Queen's Garden" (Purchase Value)	120	7	3	
157	15	5		349	3	2
		Cash at Barclays Bank:				
		On Deposit	664	15	6	
		In Current Account	162	9	1	
934	16	3		827	4	7
12	16	6	Cash in hand	7	10	0
<hr/>						
£4,205	8	2		£4,283	17	9
<hr/>						

Audited and found correct,

J. S. KEESING
G. A. PATTISON

} Hon. Auditors.

7th January, 1971.

PRESENTATION OF KEW DIPLOMAS AND PRIZES

This was held on 18th September in the Jodrell Theatre. The speech of introduction was made by the Director, Sir George Taylor. During his interesting speech he referred to the exchange scheme with botanic gardens abroad, which had become more popular than ever. The students' projects were given detailed comment during which he explained—"The subjects vary, some being botanical in nature and others in the commercial field. The best of them are very good and not infrequently excite interest outside Kew—one of last year's for example, concerned with the use of growth regulants on Garnet Roses was of interest and use to staff at an experimental station". At the end of his speech Sir George concluded—"Among the jobs to which Kew students go when they leave Kew is that of employment in the National Advisory Service. The recruitment standards of that service are so high that we are always very pleased when one of our students manages to satisfy the board that he or she is the kind of person the N.A.A.S. wants. The man who sets and maintains that standard, I am very pleased to say, is with us today. Ladies and Gentlemen, may I present Mr. F. W. Shepherd, the Senior Horticultural Adviser of the N.A.A.S., who has very kindly consented to present the Diplomas and Prizes".

After a few opening remarks Mr. Shepherd said that he thought there was still a place for training of this type for horticulturists and others. He continued—"Those leaving Kew today had far more to learn and were going into a rapidly changing industry". He instanced that far greater control of plant growth which we can now exercise by controlling the light, temperatures, the wind speeds and the many chemicals. These chemicals were far more precise in their effect and all of this meant that there was far greater need for careful training and careful control of staff and the work they undertake. Mechanization had changed horticulture very considerably and this again required greater skill both in maintaining the machinery, but in particular in ensuring that the work was done as thoroughly as possible.

All these and many other changes are taking place in all sections of horticulture whether it be for amenity or commercial purposes. He was concerned with commercial horticulture which was an industry worth £200 million a year in this country and the Ministry were still recruiting those with the National Diploma in Horticulture, as well as those who had been to University and obtained a degree. In fact he valued the practical training and experience implicit in the possession of the N.D.H. The N.A.A.S., which was to become part of the new Agricultural Development and Advisory Service next March, was expected to continue providing advice and undertaking experiments in much the same way as in the past.

Mr. Shepherd said that he felt sure that students leaving today were far better equipped to deal with modern horticulture but

warned them that in a rapidly changing industry it was necessary for everyone to continue their own education and training in order to avoid getting left behind in a rut. In the N.A.A.S. members of the staff were assisted in this by spending almost 10 per cent of their time in training visits, courses and conferences of one sort or another, but still encouraged those who wished to do so to follow their own interests in order to develop a greater expertise in the whole of horticulture or more particularly in some specialist section. He thought that all Kew and similarly trained men would have the great advantage of a knowledge of plants which was not always obtained at university or college and this could be both valuable to them and of general interest throughout their lives.

The presentation of the Kew Diplomas and Prizes followed.

The awards were :—

Kew Diploma. Honours : T. R. B. Storr ; Pass : G. D. Armstrong, C. Beardsley, P. A. Boys, A. G. Burgess, A. P. Child, P. F. Clothier, E. Fenwick, R. Johnson, D. R. Owen, D. M. Painter, J. Protheroe, B. Roby, J. Tuck and G. P. Wood.

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

The Ernest Thornton-Smith Travelling Scholarship (Value £800)—G. P. Wood. *G. C. Johnson Memorial Prize*—T. R. B. Storr. *Kingdon-Ward Prize*—D. T. Maguire. *Landsman Bookshop Prize*—P. F. Clothier. *Sir Joseph Hooker Prize*—D. T. Maguire.

The following prizes were presented by the Kew Guild :—

Matilda Smith Memorial Prize—G. D. Armstrong, P. F. Clothier and T. R. B. Storr (Jointly). *C. P. Raffill Prize*—A. Herscovitch. *Dümmer Memorial Prize*—B. Roby. *Proudlock Prize*—P. A. Boys. *Prize for the best garden plot*—M. Holloway. *Prize for the best individual study*—T. R. B. Storr. *Refund of N.D.H. Examination Fees*—A. P. Child and P. F. Clothier.

Other Prizes : *Mutual Improvement Society's Prize*—M. Wilkinson. *Students' Union Prize*—Plant Identification Tests, 1969-70—M. J. Whitehead. *Photographic Society* (presented by Mr. Rawlings)—D. J. Trevan.

STUDENTS' UNION REPORT

The year will be remembered for the introduction of block release for the Student Gardeners Course. The radical changes from which we are now benefiting are due, in part, to the unselfish efforts of previous student members. This in itself reflects the attitude of the Union, Foundation for the Future. In a final assessment of the improvements made, we thank Sir George Taylor (Director), Mr. R. Shaw (Curator) and Mr. L. Pemberton (Supervisor of Studies) for their careful and shrewd forethought toward this new attitude in Botanic Gardens Training.

During the past year Colin Hilton has served the Union admirably, his perseverance and dedication have led the group to the present enviable solidarity, and through this media we give him our sincerest gratitude and thanks. At present the S.U. is possibly enjoying the greatest period of unity ever seen here, not only within the student body, but also with the Gardens Staff.

Now we look to the future, not only ours, but also to that of future intakes. The past has given us improved study conditions and in turn we must strive to consolidate this gain for those who follow.

To conclude I would like to thank Geoff. Cole for his stalwart work as General Secretary and also the other officers of the Union, who have striven admirably to achieve the aims of our members.

R. C. BLETSOE, *President.*

SOCIAL ACTIVITIES

Social Section. This has been a very active year. Some of the highlights included a dance at York House, Twickenham, after the Kew-Wisley Race, when over 400 attended. A dance also followed the Round Bredon Race at Pershore when 30 Kew supporters enjoyed the music of the Ground Hogs. Other successful events were the Annual Cheese and Wine Party for the new students, the barbeque and bonfire at The Grotto and the Christmas Dance and Revue at St. Luke's Church Hall, Kew.

We thank all concerned for a very successful year.

S. A. WILTON, *Hon. Secretary.*

Music Circle. As a result of the efforts of Roger Johnson the music circle continues to flourish. Weekly meetings are held in the Jodrell Common Room where we cater for progressive, in addition to classical music.

In the Carol singing we raised a record sum of £18, and this was sent to Dr. Barnardo's Homes.

S. A. WILTON, *Hon. Secretary.*

Cricket Section. As usual, the weather played a part and one match had to be cancelled while a fixture with Wisley was postponed. Only five games were played out of a total of nine fixtures.

—Against St. Matyr 2nd XI—lost.

—Against R.H.S. Gardens, Wisley—won by 36 runs.

—Staff v. Students—win for staff by one run.

—Against Richmond Nomads—lost.

—Against Wisley (return match)—lost.

Batting average—D. Painter, 12.5 ; A. Lovett, 10.5 ; A. Child, 9.0.

Bowling average—A. Child, 16 ; D. Painter, 12.

M. WILKINSON, *Hon. Secretary.*

Tennis Club. At the beginning of the 1970 season David Hunt retired from the post of Hon. Secretary/Treasurer. David had held this key post since 1963, and on behalf of the members I thank him for all he has done for the Club.

The exceptionally fine weather at the beginning of the summer encouraged plenty of people to play tennis although enthusiasm waned somewhat towards the end of the season. Due to the absence of Dick Brummitt, who was in Malawi for much of the year, the office of Match Secretary was bestowed temporarily upon the Secretary/Treasurer. Only one away match was played, against Queen Elisabeth College Lawn Tennis Club and it proved impossible to form a team for the return home match. There was no Nathismus tournament and an insufficient number of people were interested in competing for the Proudlock Cup.

Maintenance of the courts was continued by Mr. A. Child and Mr. D. Owen.

S. A. RENVOIZE, *Hon. Secretary/Treasurer.*

Table Tennis. Last year saw the passing out of two of our star players, Messrs. A. Child and R. Storr. Their departure has left an appreciable gap in our team. The first-year students have been occupied with their studies during the three-month block release. Now that they are on practical work, it is hoped to recruit some of them into our team.

Arrangements for this are well in hand and more players should come to light during Inter-Departmental championships that are to be held at Kew.

C. B. BAMKOLE, *Hon. Secretary.*

Football Section. The Season 1969-70 was quite a favourable one. Out of the 10 games we played, 3 were won, 4 lost and 3 drawn. The best game was a 2-2 draw with Cambridge Botanic Garden, who were unbeaten at the time. We managed to play a consistent team, hence the improved results toward the end of the season. Unfortunately the annual six-a-side matches with Wisley and The Grotto had to be cancelled.

So far during this season, 1970-71, we have played 6 games, of which we have won 4 and lost 2. With still a few matches to play we hope we can keep up the promising start to the new season.

I. MANDERS, *Hon. Secretary.*

Kew Mutual Improvement Society. The Society has continued to create and consolidate its status as one of Kew's evening lecture series during the winter months. Attendances together with keen participation by both staff and students has markedly improved during the 1969-70 session. Keen interest was sparked off by the Society's Social which appears to be increasing in its popularity. One disappointment was the failure to hold the Kew/Wisley Debate. However assurances from both parties were received stating

that the debates, long standing in history, would be built upon by future continuity.

Finally, I would like to thank both the staff and students for their support and a special thanks to the committee members, who formed the nucleus of the effort and the necessary determination which was needed to make the 1969-70 session a great success.

T. N. SAVAGE, *Hon. Secretary.*

Hockey Section. During this season hockey has become more popular and several matches have been played with the majority still to come. During the 1969-70 season few people were really interested in the sport and many of the fixtures were cancelled.

Those matches ended usually in losses for the Kew side, although we did manage to win a game against Gipsy Hill College with the result being 4-2 to Kew. One of the best matches was played on a very wet and sticky pitch at Maria Grey College and although we lost 13-0 everyone enjoyed the game.

This season, with the new intake of students, we have been able to raise a team for every fixture and many students have become keen players. The first match to be played was against Gipsy Hill College, a team that usually consisted of girls, had now become a men's team and with the majority of our players not having played before the result was a loss for Kew, 4-0.

A victory was gained over Digby Stuart College when we played throughout a thunderstorm. Within minutes everyone was drenched, but play continued and after a really good game the result was 2-1 to Kew.

We lost the match with the Veterinary Laboratory, Weybridge, 3-1. Possibly our greatest success to date was a drawn game against East Malling Research Station. This match, for the past few years, has usually been lost by Kew. On this occasion Kew definitely had the upper hand, scoring the first goal, and only after continuous pressure from our opponents Kew conceded a goal. We hope that the rest of the season continues to be favourable to the Kew team.

A. R. LOVETT, *Hon. Secretary.*

(Reports completed on pages 1163 and 1164)

ATHLETICS REPORT, 1969-70

Clog and Apron Race (22nd October, 1969)

The race, which was started by Sir George Taylor, was entered by twelve competitors which included one of our lady staff.

After a very fast race A. R. Lovett broke the tape first in front of B. McKarry and C. Bamkole.

Round the Gardens Race (29th October, 1969)

This year only six competitors lined up for this event, which was started by Sir George Taylor.

Though dull and humid, running conditions were good; Mike Holloway took the lead from the start and finished victor. Brian

Roby ran home second with R. Bletsoe, A. Perrot, B. McKarry and P. Dunwood following respectively.

Kew-Wisley Road Relay Race (14th March, 1970)

The twentieth Annual Road Relay Race, this year from Wisley to Kew, was started from the R.H.S. Gardens, Wisley, by Mr. C. Brickall, the Wisley Director.

Conditions did not favour a fast race, since the teams were competing, for the most part, against a fierce north-easterly wind. However, this did not deter the runners from obtaining excellent individual stage times. Kew gained the lead during the second stage through B. Roby, who took full advantage of the position he was given by M. Holloway. The lead was held comfortably by the next four runners to give Kew victory, Oaklands ran home second, followed by Wisley.

Kew Individual Timing :

Mike Holloway, 21 min. 38 sec. ; Brian Roby, 19 min. 02 sec. ; John Harris, 15 min. 12 sec. ; Robin Bletsoe, 18 min. 46 sec. ; Roger Johnson, 17 min. 57 sec. ; Ian Manders, 19 min. 09 sec.

Team Placings and Times :

1st Kew—1 hr. 51 min. 41 sec. (Pring Cup, Invitation Cup and 1st Team medals).

2nd—Oaklands—1 hr. 52 min. 33 sec. (2nd Team Descanso Shield and Medals).

3rd Wisley—1 hr. 52 min. 48 sec. (Maori Batons and Medals).

Others competing in order of finishing : Pershore, Writtle, Hadlow, Rochford, Kew Guild, Grotto, John Innes, Windsor and Wisbech.

At the dance which followed, the Deputy Director of Kew, Mr. J. P. M. Brenan, accompanied by his wife, presented the awards. This year, for the first time, a shield was presented to the second team, which was kindly donated by Mr. R. Shaw, Curator of the Gardens. The Shield will be called the "DESCANSO" shield.

Clog and Apron Race (21st October, 1970)

This event was started by Sir George Taylor. Fourteen competitors, including one lady, who was given a 75-yard start advantage over the men, lined up for the commencement of the race. The race was hard run with I. Manders just beating Miss P. Trezise.

Result :

1st I. Manders, 55 sec.

2nd Miss P. Trezise, 56.5 sec.

3rd B. Phillips, 57 sec.

Round the Gardens Race (5th November, 1970)

The race was held on a cool, crisp Guy Fawkes evening. Seven athletes assembled on the starting line for the start of the gruelling 3.5-mile run. Mr. J. P. Brenan kindly started the race. From the outset, I. Manders took the lead and was first home in 14 minutes 33 seconds. He was closely followed by F. Holland.

Result :

- I. Manders, 14 min. 33 sec. (1st Year Student).
- F. Holland, 15 min. 30 sec. (Tropical Department).
- P. Edwards, 15 min. 30 sec. (Herbarium).
- D. Hunt, 16 min. 20 sec. (Herbarium).

Departmental Cup : Herbarium.

Round Bredon Race, Pershore (16th May, 1970)

After our success in the Kew-Wisley Race our expectations of achieving a good position were high.

Unfortunately, through no fault of our own, one of our runners was given incorrect directions, which resulted in our finishing last out of six teams. However Ian Manders showed his courage and enthusiasm in the last lap to gain the fastest time of the day for the sixth leg—14.26 min.

Team placings :

- 1st Writtle (Essex), 1 hr. 43 min. 34 sec.
- 2nd Oaklands, 1 hr. 45 min. 15 sec.
- 3rd Pershore, 1 hr. 50 min. 11 sec.

The teams thanks go out to all the supporters who encouraged us in both of these races and we sincerely hope that in future the support will be as stimulating.

Ministry of Agriculture Sports Day (June, 1970)

Though we had many entrants for this year's Annual Sports Day, our successes were limited to the novelty events, which, unfortunately, do not count towards the final team placings.

The football six-a-side teams had stiff opposition from the outset. Our cricket three's were unlucky in their first game and were beaten by a couple of runs.

On the track, B. Roby won his 440-yard heat, in the final he was just unplaced due to the "in form" Ministry runners producing very fast times. In the 880-yard final R. Bletsoe crossed the line in third position. These two runners entered the mile race and after a hard run gained fourth place. The day was entertaining, if not apparently materially successful, sport is for enjoyment and certainly everyone from Kew had a splendid time.

My sincere gratitude and thanks go to all the many folk who have ensured the successful running of all the events reported, the Director and the Curator for their encouragement, the Assistant Curators for their co-operation at all times, last but not least, all the people who worked so hard to make the Annual Road Race such a tremendous success. Finally, the team would like to wish Mike Holloway every success and happiness in his new post, and also to thank him for giving the section the team spirit needed to win.

R. C. BLETSOE, *Hon. Secretary (Athletics)*.

THE ROLE OF THE HERBARIUM IN THE WORK OF KEW

Mr. J. P. M. Brenan, Deputy Director, Keeper of the Herbarium and Library, gave a talk during the Open Day on May 2nd to visitors in the Jodrell Theatre. His subject, as implied by the title, concerned the role of the Herbarium in the present day work of Kew.

Very kindly Mr. Brenan passed a copy of this talk to the Guild with permission for extracts to be published in the *Journal*. The subject we considered would be of such vital interest to members, that we at once seized upon this opportunity. The article will also serve as a suitable "follow-up" to the Supplement of last year—"The Queen's Garden and Herbarium".

"The title of the talk I am going to give you today, the role of the Herbarium in the work of Kew, makes it necessary for me first of all to place the Herbarium in the framework, so to speak, of the rest of Kew. The Royal Botanic Gardens, Kew are, although the general public don't all know this, part of the Ministry of Agriculture, Fisheries and Food. We are not a park. The general control of the Gardens is by The Director, who works through a central administrative office called the Director's office. The rest of Kew is divided into a number of different departments. First of all there is the Jodrell Laboratory, where research into plant anatomy, cytology and physiology is conducted. Next, I must mention the Museums which, besides doing what their title implies, also play an important part in what I may best describe as putting Kew across to the general public. The third and largest of the research departments is the Herbarium and Library about which I shall have much more to say later on, and last, but far from least, there are the living collections under the control of the Curator. The living collections together with the Museums include most of those parts of Kew accessible to the general public and are together what is implied by Kew in the minds of most people.

"Members of the public quite rightly come to Kew, not only to see and study the unrivalled collection of the many different sorts of plants that have been gathered here over the years, but also to find a place of peace, serenity and beauty. The main purpose, however, of the Gardens is not to act as a public park but to provide the raw material, if I may use such an uninspiring term about the wonderful collections of living plants, for the research carried out principally in the Jodrell Laboratory and in the Herbarium. In other words, Kew is primarily a scientific institution.

"Having roughly, and I realise inadequately, outlined the structure of Kew, we must now come on to the more central theme of the Herbarium itself. Now what is the Herbarium? Obviously, in many minds there is a great deal of confusion, not to say mystification, about what goes on there. This is to some extent shown by the variety of different spellings which the title of the place undergoes on some of the envelopes of the many letters which

come to us. In fact I saw one quite recently (perhaps in allusion to my own name), addressed to the Hibernian. What particular function that person imagined went on here I don't care to think about. However, to summarise what I am going to say in a moment, it is primarily a vast collection of dried plants housed in a range of buildings on the North side of Kew Green. These buildings not only contain the Herbarium itself but also other subordinate collections and the Library, which I must make clear at this point is a general library for the whole of Kew.

“The Herbarium at Kew, which is now housed in four wings, contains probably between 4 and 5 million dried specimens from all parts of the world. These are mounted on standard-sized sheets of paper and filed in cupboards which are now mainly made of metal as a protection against fire. There is an extraordinary wealth of what is called type-material, the original specimens used by authors when describing new genera, species or varieties. The exact number of types is difficult to compute but certainly runs into several hundreds of thousands. The collection as a whole provides a wonderful and perhaps unrivalled representation of the flora of the world. Additions are constantly being made and some 50-70,000 specimens are received annually. These come not only from the amateur and professional collectors in many different countries, but also by means of exchanges with other botanical institutions almost throughout the world.

“Supplementing the Herbarium are the subordinate collections which I mentioned briefly earlier. The main one is of specimens in liquid preservative—alcohol, water and a certain amount of formalin and glycerine. These are preserved in jars of which there are now more than 30,000. Specimens preserved in this way are quite indispensable when it is necessary to examine flowers or fruits of fleshy or very delicate texture. The orchid family in particular has flowers whose shapes it is almost impossible to restore after they have been dried and the use of material preserved in liquid is very necessary.

“There is also an extensive carpological collection of bulky fruits and pods, too unwieldy for pressing or mounting, stored in a similar way to herbarium specimens except that they are in boxes or packets. In addition there is a collection of seeds and also a collection of illustrations. This last, under the control of the Librarian, is a wonderful assemblage of drawings, engravings and photographs of flowers and plants mounted on more than 150,000 sheets. Some of the pictures are original, sometimes paintings of great interest and value, sometimes they are taken from books, sometimes they are quite amateur sketches whose value may be that they were done on the spot in some remote part of the world. Together they comprise a wonderful and beautiful picture gallery of a very large number of the world's plants. I have I hope given you some idea of what the Herbarium is and how it is housed.

“Kew is one of the three great National Herbaria in Great Britain, the others being at the British Museum (Natural History) in London and at the Royal Botanic Garden in Edinburgh. Although these three great institutions are all conducting research into the same field of knowledge, the co-operation between them, both official and unofficial, is so close and friendly that the obvious danger of overlapping in their work is reduced as much as possible. Indeed, a few years ago an agreement, under the auspices of the Treasury, was made between Kew and the British Museum whereby certain fields of research were assigned exclusively to one or other of the two. As an example of this, official research on the plants of Britain and Europe as well as on those of North America is now carried out exclusively by the British Museum and not by Kew. The Museum also has exclusive responsibility for the algae and the bryophytes. Conversely, Kew deals with all research on the fungi, while the phanerogams or flowering plants are divided between the two institutions on a geographical basis. Though the Museum contains on permanent loan the collections of algae and bryophytes formerly at Kew, and Kew has the fungi which used to be at the Museum, the collections of ferns and flowering plants remain as they were. However, each of the two places in general refrains from making additions to its collections in those sectors which are the responsibility of the other.

“The original reason for the founding of the Kew Herbarium and indeed of the other national herbaria was to fulfil public needs, and this has controlled their work and activities ever since. It is inevitable that this public service must take a high place among their function, and this is as much true today as it has always been. This service embraces a wide range of people and bodies—ordinary private members of the public, amateurs of botany, individual research workers, horticulturists, as well as universities, training colleges, research institutes and government departments both at home and abroad. The general objective of the Kew Herbarium is the accurate classification and identification of plants and plant material, and the making of this information available as it is needed.

“The process of accurate identification is at one end of the scale often called routine naming. I will now try to tell you briefly what this is. Almost every day, letters arrive containing requests for the correct names of plants unknown to the senders, plants perhaps from a garden or perhaps found wild in hedges, fields or woods. These enquirers must be answered courteously and without undue delay. At the other end of the scale there are frequent requests for the identification of large collections made often for special purposes, often economic, in distant parts of the world. Thus, such collections may be sent in by Forestry Departments for example, in the course of their work of making an inventory of trees growing in local forests.

“Extensive collections made for this purpose have been recently received at Kew from such places as the Solomon Islands,

the New Hebrides and Borneo. Large collections from Ethiopia and Kenya have been identified for the United States Department of Agriculture in order that samples of plants collected might be subsequently tested chemically for the treatment of cancer.

"I will mention one other example, gorillas and monkeys are used quite extensively in connection with medical research on organ transplants. Their behaviour and diet often throw light on human activities and physiology. Recently we have been asked to identify specimens of plants from the Cameroon Republic used for food by these animals.

"In some parts of the world local needs have naturally resulted in the formation of local or regional herbaria, some of them of great importance. In Nairobi, for instance, the East African Herbarium serves Kenya, Uganda and Tanzania. Many of the routine identifications needed by the countries in which these regional herbaria are situated are carried out there. These institutions are a valuable source of duplicate specimens for Kew but they also send many of their more difficult problems for our advice and help. This development is likely to increase and is to be welcomed because the time needed to send material to Kew from more distant parts of the world means inevitably that a more speedy service can often be offered locally. Nevertheless, there are still many problems for which local resources are still inadequate.

"The second main activity of the Kew Herbarium which I want to discuss is the preparation of floras covering extensive parts of the globe. What are these floras? They are printed works containing descriptive enumerations of the plants of a given region, country or district, produced for the benefit of the public. There is much variety; some of them attempt to describe all plants from the algae and the fungi to flowering plants and trees. Such comprehensiveness is however exceptional. More frequently they are conventionally restricted to flowering plants alone, or often with the addition of some of the most highly developed cryptogamic or flowerless plants such as the ferns and their relatives. A flora is often written for a special purpose. Forest floras deal only with the woody or tree species of a given region; others are restricted to herbaceous plants for instance, to weeds, to poisonous plants, to garden plants, and so on.

"The usual main purpose of the flora is to tell people who use it about the different species of plant growing in a given region, and how to identify and classify them. Descriptions of the different sorts or species of plant and keys to help the process of identification are the bare bones of the work. These keys are a sort of short cut based on successive choices of alternatives, enabling the user to arrive (with a certain amount of good judgment and possibly a little good luck) at the right name of the plant he is endeavouring to identify. Often the characters used in these keys are deliberately chosen because they are easy to see or judge. For example flower colour is often an obvious feature distinguishing different species.

“ Additional information, for instance about the habitat and altitude at which the different plants grow, variation, geographical range, and sometimes although not always, economic notes may also be given.

“ Every year considerable sums of money, probably in the aggregate many thousands of pounds, are spent by various governments on the preparation of floras, particularly for underdeveloped countries in the tropics. What is the justification for all this expenditure, what is being obtained, and what is the practical use of a flora once it has been written? I ought to make it clear that floras are not only needed for underdeveloped countries; the most highly civilized and cultured countries of the world are still often in need of floras and indeed one of the major ones being produced at the moment is for the continent of Europe.

“ Let us now briefly look at some of these uses. It is often valuable to be able to identify plants exactly, because they are indicators of differences in soil and climate and a knowledge of both is often of vital importance for the utilization of land. Each species of plant normally lives under certain limiting conditions of soil and climate, sometimes the range being narrow, sometimes wide. The narrower its range, the more value is the plant as an indicator. The mangrove, for example, is an obvious indicator of salt water conditions; others are less obvious but just as useful.

“ Precise knowledge of plant species may be indispensable in seeking to improve pasture for the use of cattle. Improvement often depends on increasing fertility by augmenting the nitrogen in the soil, this being essential for sustained growth of plants. This need has resulted in an extensive search and survey for suitable members of the great family *Leguminosae*, the pea family, which have the property of fixing atmospheric nitrogen by means of bacteria in nodules on their roots. This family is so large and so varied that it is probably quite safe to say that the potentiality of the majority of the herbaceous species as pasture improvers is still unknown. Much pasture is covered by grass of which there are thousands of different species. There can be little doubt that large areas of difficult or inhospitable land could be improved for grazing if we were able to utilise all the grass species available.

“ Some floras are, as I have said, restricted to weeds or to poisonous plants and others to forest trees. The practical uses of such are obvious. A fuller knowledge of the species of plants growing in a given area may also lead to the discovery and improvement of plants which are or whose products are of economic importance, for example as timber, crops, etc.

“ Agriculturists and plant-breeders are increasingly aware of the need of ‘genetic banks’ for the future developments in plant-breeding. Wild strains of important crops and related wild species must be located, identified and kept available. The economic potential of the majority of plant species in the world is still very imperfectly known, or unknown.

“Constant search is also made for new plants which may be used for ornament in our gardens and homes. One of the popular house plants in Britain, *Peperomia caperata*, with deeply and attractively wrinkled leaves, was first described scientifically as recently as 1958, though since then it has probably found its way to every important florist in the land.

“There are many other practical uses of floras, though I can only mention a few. Many drugs, the alkaloids for example, are produced by plants and no adequate means of manufacturing these drugs synthetically has so far been discovered. The plants producing these alkaloids often belong to rather obscure groups, mainly tropical, of which many species are still imperfectly known. The alkaloid reserpine, for example, much used as a tranquilliser and also in reducing blood pressure, was found in the roots of an Indian plant belonging to the family *Apocynaceae* as recently as 1956.

“Another example of the sort of situation where precise identification is economically very important is where plant species are indicators of the occurrence of heavy metals such as nickel, cobalt and copper. An extensive literature dealing with plant indicators of these various metals has recently come into existence, particularly in Belgium, the Congo and Rhodesia. Another interesting link with metals is the tendency of certain plants to accumulate them. This may occur to such an extent that the plant itself becomes toxic and can cause disease in sheep and cattle. This has been found to occur both in the United States and South Africa, particularly with certain species which accumulate selenium.

“In western Europe plants have been carefully studied for many years and nearly all the species, particularly those used for teaching purposes, are well known. It is obviously absurd, however, to use common European species as examples, for schools or university teaching in tropical countries where they are scarcely known at all. One must use local examples but adequate text books for many countries can hardly be written until the species which are to be used as examples in them are better known than they are at present.

“I have spent rather a long time discussing the uses of floras because they take up a large amount of our research work. But it must not be forgotten they are only one way of conveying fundamental taxonomic information. This is the common factor underlying the preparation of a good flora. Revisions of many genera cannot be made on a local basis. It can thus happen that large, widespread and economically important groups of plants, the genus *Solanum* is an example, have not been adequately revised in their entirety for many years, in this instance for more than a century. Much of our work in the Herbarium at Kew does consist of this basic taxonomic research—the revision of groups of species, sometimes of whole genera, sometimes even of families.

“There can be little doubt that this basic work will increase in the future and will provide a much more secure foundation for

the writing of local regional floras than individual studies of difficult groups undertaken specially for these floras and restricted to the geographical areas concerned. In order to carry out this sort of research we shall need to muster all the evidence possible from the most recent advances and developments in plant taxonomy. The use of such techniques as anatomy, cytology and palynology has now become relatively commonplace in generic revisions. Where however does the future lie? Some people think that the computer will be the answer to all our troubles; that if we feed enough information into the computer we shall be able to get simple answers to all the difficult questions that have plagued us hitherto. I am afraid that I take a more pessimistic view. I have heard it said that if you feed an obscure question into a computer you will get an obscure answer. And many of our problems seem obscure at this stage because we have not got the full evidence. Undoubtedly the computer will be a tool of immense value to taxonomy, but it will I think be no more than another tool, though a very sophisticated one, and not a magic key to open all doors hitherto locked. Other techniques are round the corner. The use, for example, of the electron-scanning microscope in plant taxonomy has scarcely begun. At the moment we are still in a stage of exploring and marvelling at the wonderful world of minute structure revealed in deep focus by this instrument. Its power for taxonomy cannot fail to be great.

“Will the Herbarium and the botanists who work there however be supplanted by all these new developments? I think undoubtedly not, though I know that I am speaking from a rather biased position!

“I would like to mention one aspect of the Herbarium that I think has not been adequately realized, but which I believe will become of increasing importance in future taxonomic development. I refer to its role as an unrivalled record of plant variation over wide areas. With all the resources of modern travel, it will still be economically impossible for most people to study in the field a wide-ranging species in all its habitats, and over a sufficiently representative portion of its range for them to assess its variation as a whole. The Herbarium can provide a close approach to random sampling of a species over its range, assuming that it has been adequately collected. In practice I have found that one can very often get a surprisingly accurate picture of the variation behaviour of species, especially when it turns out to be correlated with geography. The physiological behaviour also of a single species may be very different in different parts of its range, and a knowledge of such variation when (as it often is) it is genetically controlled, is of tremendous importance in plant cultivation and plant breeding. For this sort of information the Herbarium provides an unrivalled source.

“Taxonomy in its role as handmaiden to other disciplines indicates how co-operative research projects between the Herbarium and other departments of Kew have developed and will increasingly

do so in the future, serviced by the resources of the living collections and the skill of those who look after them.

“In whatever discipline of botany research on plant species is carried out, it is an essential ingredient of that research, that the plants shall be correctly named. If the work is to be checked by repetition it is essential to have exact knowledge of the materials used. As far as plant identification is concerned the Herbarium is still an indispensable source of information. It may also serve as a place where examples of plants upon which research in other disciplines has been carried out may be preserved for posterity.”

MUSEUM EXHIBITS IN 1970

As everyone knows, 1970 was European Conservation Year, so we had a large exhibit on conservation in Museum I from April to September. The exhibit was a great success, due to the help we received from many people, both staff and others. I only hope that it did some lasting good to those who saw it.

It seemed to the Museums staff that eyebrows would be raised justifiably if, with an exhibit on conservation at one end of the Museum, we had our usual display of wild flowers at the other. So the plant tables were scrapped for the season, except for the moss-box, and we then fully realized how much time “doing the plant-tables” takes during the summer—this year for the first time we managed to continue work on the reference collections. However, we will have the plant tables fully operative during 1971, so all contributions will be gratefully received.

A new, co-operative, venture was started during the winter of 1969-70. Some time ago, members of the Gardens and Museums staff thought it would be a good idea to have exhibits which used living plants but also had museum style labels and diagrams. It was decided to adapt part of the South Octagon in the Temperate House for this purpose and with the help of people from every department at Kew, an exhibit was staged on “Plants and their Environment”. This was a success and was followed by one on root-cuttings which was adapted from Kew’s 1970 Chelsea exhibit. Being more technical than the first exhibit, this was not quite so attractive to the general public, but it was followed by one which they did enjoy—“To Get to the Top”, on climbing plants. Free leaflets were issued for each exhibit and in addition we had a short questionnaire asking for opinions on the exhibits, whether people think this a suitable thing for a botanic garden to do, etc. Fortunately, most people do think it a good idea—which pleases us! This winter the Octagon exhibit is on “Trees in Winter” and how they manage to survive the adverse conditions, and trees with decorative barks, etc. This will be followed next spring by one on the genus *Senecio*.

ROSEMARY ANGEL.

THE GARDENS REPORT

It may be a surprise to some to learn that the Royal Botanic Gardens employs almost 500 staff, although only half of these approximately are concerned with the living collections. The departments, including the scientific sections (Herbarium, Jodrell and Museums), are physically separated from each other. Within the Gardens this had led to the development of almost completely independent organisations. There are advantages and disadvantages to this, but it has led to a considerable variation of standards and techniques. This last fact, linked to the difficulties of obtaining trained staff has inevitably led the management to make various reorganisational changes. One aspect of these has been the creation of specialised posts for which new staff can be trained to work to a good standard with comparative ease.

The concept of service sections started with the machinery and with a fitter and a fully equipped workshop, mechanisation has followed a progressive course. The seed department, although part of Arboretum South, collects, cleans and stores seeds for the whole of the Gardens. Emphasis is placed upon the collection of seed from plants of known wild origin whose progeny have a reasonable chance of being true to type. These sophisticated storage and testing techniques have been evolved and organised in co-operation with the physiology section of the Jodrell Laboratory.

More recently the tree gangs from Arboretum North and South have been amalgamated with a supervisor in charge who is responsible for all tree work. One supervisor post has been saved with the amalgamation of the Temperate House Pits and Arboretum Nursery. This has been used to create a new unit, the Technical Services Section (Gardens), which deals with the planning of new works schemes, i.e. buildings, glasshouses, irrigation layouts, etc. This section also handles the Arboretum records and labelling, but it will retain a flexible role, dealing with problem areas of development within the Gardens.

The glasshouse collections have also seen a change. Basically the principle is to display the plants in more effective landscape settings with the added advantage of easing the problem of maintenance. The living reference collections and stock plants for propagation are grown behind the scenes in modern automated houses. The first fully automated glasshouses have been installed and successful equipment such as the Wembley Capillary Watering System is now being installed throughout the Gardens. With the new houses the design has been towards maximum utilisation of glasshouse space, for example, the new triple span (105 ft. wide) in the lower nursery is designed to give over 70 per cent ground space utilisation.

The Three-Year Student Course has been reorganised on a block basis and it is proving successful so far. On the practical side it allows the students to become useful members of the staff

and they gain the very real benefits of experience. The three-month full-time block study periods provide an intensive academic training. Staff training is also gaining impetus, and most of the supervisory and managerial staff have attended short courses on management training and other relative topics.

Finally, within Descanso House the Library and Enquiry Office have been reorganised, the latter, also in the trend of change, is now equipped with dictaphones and suspending filing.

Extracted from a report by J. B. SIMMONS, *Deputy Curator*.

Tropical Department

The New Fern House in the lower nursery is used for propagation, there being conditions for tropical, intermediate and cool species. One of the old fern propagating houses is used for Bromeliads but the main collection of these is planted in the new landscaped layout in House 11. Here they are looking healthier than ever before.

Work is on hand for the landscaping of Houses 7, 8 and 9. The former is intended for the *Rhipsalis* collection and Gesneriads, while 8 and 9 are to be used as the new Orchid and Show Houses. Those already in use for this purpose will in turn be available for the ever-increasing scientific collection. There have been other minor changes, for example, the collection of *Impatiens* spp. has been housed in 11A and 12A, formerly occupied by the Pelargoniums while the small Hartley house in the Melon Yard is taken over by the new Orchid propagation section for freshly pricked-off seedlings. This new section has been established in co-operation with the Jodrell Laboratory.

Extracted from a report by S. W. RAWLINGS, *Assistant Curator*.

Palm House and Temperate House Departments

The main work in the Palm House has concerned the collection of climbers. Duplication has been reduced, new supports given, while the beds have been resoiled. The collection of *Agapanthus* spp. and *Kniphofia* spp. in the beds outside the house have been increased.

In the Temperate House the central section has been closed to the public since September as the roof is unsafe. Plans for re-roofing are in hand, but the work may take as long as two years. In the Australian House the benches are to be converted to capillary watering. The new Frampton-Ferguson House mentioned in the last report is now fully stocked and in operation. This is in the area of the Temperate House Pits and another of a similar type is to be erected by this which has two temperature zones—50° F. and 65° F. This will be used as a stock house.

Extracted from a report by C. M. ERSKINE, *Assistant Curator*.

Decorative Department

Following the minor alterations to No. 4 which were mentioned in the last report, the benches are being modified for

capillary watering. In the lower nursery a considerable number of rose stocks have been raised partly for student demonstration and practice, but also to supply replacements for the Rose Garden. Experiments have been carried out to ascertain compatibility of rose species and their variants with *Rosa multiflora* rootstock.

The accommodation building is under construction and this will house an office, a first aid room, changing rooms, a mess/lecture room, potting and soil mixing areas, also a machinery store under one roof.

As a means of reducing maintenance, the process of laying metal banding around the outer edge of the Rose Garden has been continued. The installation of irrigation equipment in the Dukes Garden has the same purpose in mind.

A number of climbers have been removed from the walls and borders within the department. They were of little horticultural or botanical interest and have been replaced with climbers and shrubs of tender nature. A collection of *Ceanothus spp.* raised from seed gathered from natural sources has been planted against the wall of Museum 1.

Extracted from a report by B. HALLIWELL, *Assistant Curator*.

Arboretum North

One major task for the winter has been the renovation of two of the Rhododendron beds by Broad Walk. These were planted during the first year or two of this century and some of the plants have become old and worn out. Future policy will be to replace these as necessary using varieties which will tolerate the exposed and sunny position and if possible, to improve the colour range. Future plans also concern the *Rhododendron* hybrids in the No. 1 and Orangery Borders for these will be required for the Rhododendron Dell. The borders will be used for a wide range of shrubby material including the Viburnum collection which will be moved to this site.

Preliminary plans have been drawn up for a new Azalea Garden near the Bamboo Garden. Material for this collection has been obtained and a start will be made on the plantings during 1971.

Concerning the machinery, the problems with mowing have been reduced by the introduction of a new range of mowing units, while the collection of rubbish has also been rationalised and improved.

Extracted from a report by R. I. BEYER, *Assistant Curator*.

Arboretum South Department

One of the major operations during January and February was the lake dredging. The work was undertaken by a contractor, but the tidying up and the actual levelling of the mud, which was dumped in the woodlands nearby, fell to the Department. By mid-summer most of the areas where the mud was deposited had grown over, while the appearance of the lake itself was much

improved by the reshaping and repair of the banks, where stretches had eroded. The eastern island in particular has benefited from the counter measures against erosion.

The policy of nature conservation has continued in Queens Cottage Grounds. It is pleasing to record that there has been some natural regeneration from the clump of *Lilium martagon* which was planted some years ago. One or two seedlings actually flowered for the first time this year. They were 20-30 yards from the main clump.

A new site is also being developed for the *Hydrangeas*. The position is in partial shade by Oak Avenue and behind the Redwoods. It has proved to be very successful and will be extended to include some of the outstanding hybrids, in additions to the species.

Extracted from a report by G. E. BROWN, *Assistant Curator*.

Alpine and Herbaceous Department

Natural Order Beds. Throughout the year steps to implement the policy of growing only plants of known wild origin have been given much thought. Specific requests were made to botanic gardens and institutions in Europe, S. Africa and N. and S. America. The response was encouraging from Europe and by early summer some 700 items, either of seeds or other living material had been received. These included annuals, herbaceous perennials and alpiners. The majority germinated freely and a large proportion have now been planted.

Iris Garden. The display during June was outstanding. The collection is made up of modern tall bearded varieties which have a wide range of colours with improved form, size of flowers and branching. Weed control experiments among bearded Iris have been carried out in the nursery and "Bladex" appears to be very effective so far. All the beds in the main collection have now been treated with this.

Extracted from a report by G. H. PRESTON, *Assistant Curator*.

(We apologise that space does not permit the publication of full reports, but we thank all concerned including the Curator, Mr. R. Shaw, for his support.)

THE HERBARIUM

On 2nd November, 1970, a complete change in the system of working in the Herbarium took place, which will have a marked effect on all Departments of Kew. From that time the geographical sections were abandoned in favour of systematic sections. In other words, each botanist has responsibility for certain families throughout the world, instead of all the families in a geographical region. This should encourage the family specialist who can undertake world-wide monogams and hence region floras. However, there is a long way to go before this happens and at the moment most of us are floundering in new literature and trying to get to know the detailed geography of other lands. The other Departments at Kew will now be able to deal with family specialists in a way that was

previously only possible with certain groups, like orchids and grasses that have long been separated.

From time to time specialist seminars are now being held in the Herbarium, as well as regular staff meetings. The seminars are given by members of the Kew staff on certain aspects of their work or by distinguished visitors currently working here. The Herbarium "Tuesday Lectures" continue to be held in the Lecture Theatre and the following were given during 1970: 6th January, Mr. C. C. Townsend—"To Russia with Press"; 13th January, Mr. R. N. Kepp—"St. Helena Flora"; 20th January, Dr. J. C. Woodburn—"Hadza tribe, Tanzania"; 10th February, Dr. R. M. Harley—"A botanist in Mato Grosso"; 3rd March, Mr. F. N. Hepper—"Plant collecting by hovercraft"; 20th October, Dr. D. A. Reid—"Travels in South Africa"; 3rd November, Mr. B. Hawkes—"A naturalist in East Africa"; 24th November, Mr. P. J. Green—"New Caledonia"; 1st December, Mr. C. Jeffrey—"Botanist in Ulong Bator"; and 15th December, Dr. R. K. Brummitt—"Six months in Malawi".

More overseas field visits are being made by staff than ever before and this trend is an essential part of our work. During 1970 the following expeditions took place, besides visits by others to various European herbaria: M. J. S. Sands (August, 1969-April, 1970, Celebes, New Zealand); W. D. Clayton (January-March, Ceylon); R. K. Brummitt (February-August, Malawi); B. Mathew (March-May, Kenya); Miss M. Grierson (Israel); Miss J. K. Bowden (March-June, Nigeria); D. A. Reid (April-August, S. Africa); C. Jeffrey (July-August, Mongolia); F. M. Jarrett (September-December, India); and R. G. W. Dennis (September, Switzerland).

A VISIT TO ISRAEL

By means of a generous grant from the Bentham-Moxon Trust I was able to attend the International Horticultural Congress in Tel-Aviv in March, 1970, also to extend my stay to include field trips and visits to horticultural establishments.

With the help of University and Field School staff I was able to collect and study plants in the Negev desert and N.E. Sinai, the Gilboa (occupied Jordan), the Dead Sea Region, Mt. Meron on the Lebanon border and the Golan Heights (occupied Syria). This covered the extremes from the arid desert with its African floral elements such as the Douan Palm to the snows of the Northern mountains with cyclamen and anemones flowering in abundance on the lower slopes.

Visits to various research stations and commercial holdings growing bananas, citrus and other crops were of particular interest as was the time spent in the Tel Aviv and Jerusalem Botanic Gardens. Added to this the places of biblical association made the visit particularly memorable.

J. B. SIMMONS.

THE GUYANAN EXPEDITION

I am at present sitting in an old, weathered caravan tucked away in one of the quieter parts of the Lake District. Beyond the network of sturdy walls some of the lesser mountains stretch up from the shrouding bracken to stand bluish-grey in the still afternoon. It is this pregnant silence which moves me to write of the Guyanan Expedition, for it was a setting very similar to this that enclosed us in the Tropical Rain Forests of Guyana. Looking back now the whole scheme seems to be as far away in time as South America is in miles.

The venture arose from a *mélange* of professional enthusiasm, youthful adventure and a desire to do something really worthwhile. A venture which would draw upon the historical example of Kew's early collectors, the contemporary knowledge of its present staff and our energy, seemed well worthy of effort. The first steps were taken in November, 1968.

Before long a fairly flexible policy was formed and much of the strategy formulated. In the early stages, the proposed expedition consisted of six members, each responsible for a specific aspect of the work. We had planned to leave Britain during October, 1969, but by July of that year it seemed highly unlikely that we would procure the necessary funds. We were banking on the Ernest Thornton-Smith Award of eight hundred pounds, but this was by no means a foregone conclusion. More emphasis was put on the fund raising aspect and this included an approach to the Kew Guild Committee. Would the Guild give the expedition its blessing? A special meeting was convened by the President, Mr. Milne-Redhead and there our plans were examined. As a result the Kew Guild gave not only its blessing, but permission to use the Guild's address list in order that we might appeal to the Guild Members personally for support. Most of you now reading this article will have received the appeal and many of you donated generously.

In the month previous to the departure date, the expedition complement stood at two. The tenuous condition of our bank-balance and other factors led to the retirement of the other members. But the slim bank balance began to swell as Guild members responded to the appeal. The proposed Guyanan Expedition won the Ernest Thornton-Smith Award and became a reality. The boxes and crates were soon ready and on October 12th I left my wife in Twickenham and took the supplies, first to Manchester and then on to Liverpool. On October 14th Mr. Evemy joined me at my home in Manchester. The following day found us on the West Harrington Dock at Liverpool and we boarded the m.v. "Booker Viking", a cargo vessel which was to take us over the ocean to the object of all our planning. The voyage lasted 21 days and our ports of call included Glasgow, the British Virgin Islands (Tortola St. Kitts, Antigua) and Paramaribo, Dutch Guiana. On November 6th we sailed up the Demerara and docked in Georgetown.

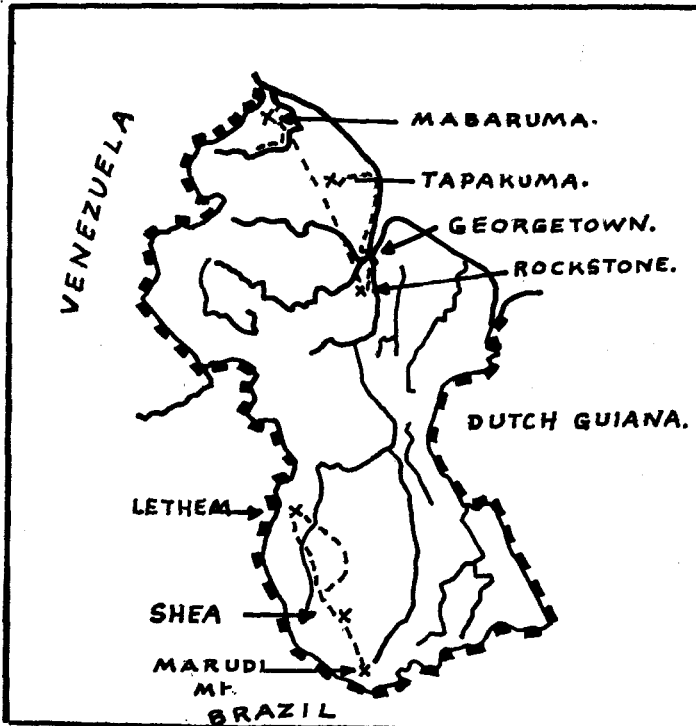
Our first contact was with our advisers in Georgetown and before long one of these had arranged for us to stay at the Park Hotel. This was to be the haven to which we returned after trips into the bush. In the past its walls had echoed to the exclamations of successful gold-miners and absorbed the careful whispers of the clandestine diamond-dealers but we neither whispered nor exclaimed. We simply appeared on the scene, between trips, tired, dirty, bedraggled and clutching plants. Most of the first week in Georgetown was spent in the Immigration and Customs Houses, but in this time we succeeded in laying the plans for all our plant shipments. Mr. Adrian Thompson gave us advice on many matters and this led us to make a short excursion to an area north of Georgetown, Dawa, on Lake Tapakuma. This involved crossing the Essequibo River, an experience never to be forgotten. The river is very wide and in the evening thousands of parrots fly in pairs across the reddening sky. Tapakuma proved to be a good collecting area and we vowed to return at some later date when Indian labour was more plentiful.

We returned to the Park Hotel for a stay of two days prior to leaving for the swamp-forests of the North West District of Mabaruma. A light aircraft flew us 140 miles north over the jungle, finally coming to rest on a hillock rising from the surrounding swamps. It was planned to spend two weeks here with one of the United Nations Survey Teams. Sir George Taylor had made it possible for us to solicit the help of the U.N. Forestry Advisory Officer in Guyana and to both of these gentlemen we are deeply indebted. All the plants collected in this area had to travel with us on our return to Georgetown. The Customs checked our shipments and together with the necessary phyto-sanitary certificates the plants were flown to Kew.

There are few metalled roads outside Georgetown and the only decent one we saw connected the capital with Mackenzie. The road passes through the "white sands area". This type of deposit is common in Guyana and it supports very poor forests, but interspersed throughout with damper areas, peaty in nature. The *pegasse* as it is called supports terrestrial orchids and thus proved a good hunting ground.

December 13th found us again on the Essequibo, bound for Adventure (a place name) and Dawa, Tapakuma. Although the location was north and 60 miles distant from Georgetown, we were to be no less isolated than in any of the other locations. A camp was made at Dawa and the land-rover driver instructed to pick us up on December 23rd. We were extremely busy for the ten days collecting plants from the unstable Amerindian canoes or *coreoles*. Alligators abounded in the still, black waters of the flooded forest which was to be our favourite hunting ground. It rained heavily every day, for the winter wet season had commenced. On December 22nd it rained all day but the evening began with a lull and we felt happier as we ate the last of our food and checked that all the plants and supplies were ready for our departure the

following morning. As night fell the sky began to flicker. It grew brighter until the whole landscape was lit by the eerie blue light of an electric storm. There was little sleep for anyone that night as thunder cracked all around and enormous forest-trees fell to the ground under the weight and pressure of the rain. Some of these giants fell across the track and thus prevented our jeep



THE GUYANA EXPEDITION.

X = COLLECTING LOCATION.

— = LAND BORDER.

— = MAIN RIVERS.

- - - = ROUTES USED TO REACH COLLECTING AREAS.

from reaching us. This forced us to travel back by boat across the lake. After a long walk and trip over the Essequibo we arrived back in Georgetown, and Christmas Eve was celebrated that night by packing plants. We missed our "near and dear" on Christmas Day, but not the homely feeling, for the British High Commissioner allowed us to join his family for the traditional fare. The Guyanan Christmas is an extended affair, something like three weeks being reserved for festivity. As a result we had to wait for conditions to return to normal before heading south to the Rupununi, a district in the South of Guyana consisting chiefly of poor savanna. We flew down to Lethem and the Rupununi on the 9th January by a route which forms the only connection with Georgetown. The gradual change from tropical rain forest to savanna was very evident. After a security check at Lethem our route extended further south to Aishalton, the site for our base camp. From this camp collections were made both in the savanna and the forests around Mt. Marudi. The long haul back to Lethem was made by using a different route, collections being made on the way.

On January 22nd we arrived back at the Park Hotel and the next ten days were spent despatching plants and in making the necessary arrangements for our departure. Through the m.v. "Booker" arriving a week later than we had anticipated, the last days in the hotel were financially tenuous, to say the least. However, on February 6th we boarded the ship for the return voyage. From that time to our docking at Liverpool on March 4th, we enjoyed our first full rest since the commencement of the expedition.

The fruits of the venture are now growing in the plant-houses at Kew; or are filed away in cupboards in the Herbarium. The experience has enriched us personally and I hope enthused others to some extent. The need for accurately documented collections of living material becomes more important as the numbers of truly natural environments decrease as a result of man's advances in other fields. The horticulturist is worthy of a place on any plant-collecting expedition and his knowledge might ensure that living material collected is suitable for transit and subsequent establishment in the glasshouses of Botanic Gardens or Local Authorities.

I personally hope that this expedition will not be the last of its nature and that young Kewites will realise that much can be achieved with little cost if the effort is put in with determination.

The Guild's involvement in the first expedition has been a positive one. The subject is being followed through under the Presidency of Mr. C. R. Stock. A sub-Committee has been convened to deal with matters pertinent to such ventures.

We of the expedition say thank you all for your support.

A. G. BURGESS.

(Lake District, 1970).

AWARDS

The R.H.S. Veitch Memorial Gold Medal to Dr. C. E. Hubbard (1965) and F. P. Knight (1929); The Westonbirt Orchid Medal to V. S. Summerhayes (1964); C. Grey-Wilson the Bowles Memorial Travel Scholarship; A.H.R.H.S. to J. E. Harris (1899)—aged 94; The Thornton-Smith Travel Scholarship to G. P. Wood; Frank Kingdon-Ward Prize to D. T. Maguire (Student); B.E.M. to J. Lawson (1927) (see Notes and Gleanings).

N.D.H. (S.A.)—E. D. Scarr (1968); N.D.H. Section I—A. P. Clothier and P. F. Child (both students at time of passing); N.D.H. Section VI—B. A. Nash (1967); Final D.I.P.A.—G. N. Graham (1967); Intermediate D.I.P.A.—A. M. Weir (1968) and H. G. Heywood (1968).

NOTES AND GLEANINGS

J. Aves (1939)—see E. D. Scarr (1967).

R. D. Bowen (1966) has recently been appointed as Deputy Parks Superintendent of Tunbridge Wells Parks and Cemeteries Department.

Dr. P. E. Brandham, a Senior Research Fellow in the Cytology Section of the Jodrell Laboratory since 1967, has been appointed Senior Scientific Officer in that Section with effect from July.

J. P. M. Brenan, Deputy Director, Keeper of the Herbarium and Library at Kew, attended the Annual General and Council meetings of the Association for Tropical Biology in Washington, D.C., United States, in June. He is President Elect of this Association.

G. E. D. Briscoe (1961) wrote in recently from Johannesburg where he is in charge of an area of the City's Park Department. His authority is hoping to start a degree course in Park Administration.

H. Bruty, Supervisor, Ferneries, retired on 16th October, after 24 years of service in the Gardens.

Miss D. M. Catling, who joined the staff of the Jodrell Laboratory in October, 1950, as a Scientific Assistant and who was promoted to Senior Scientific Assistant in January, 1964, left Kew to take up an appointment as Experimental Officer at the Forensic Science Laboratory, New Scotland Yard, on 5th October.

George A. Catt (1929) has retired and emigrated with his wife to Western Australia. Mr. Catt's long and varied career has taken him to many parts of the world. We were so intrigued by

the extent of his travels that we requested more information from him. He replied with the following outline: Improver, Chester Lodge Gardens, St. Leonards; Journeyman, Aldenham House Gardens, Elstree; Foreman, Edgewarbury House Gardens, Elstree; Student at Kew, later Sub-Foreman Tropical Department; Assistant Horticulturist, Lancetilla Experimental Station, Tala, Representative of Honduras; Horticulturist, Siquirres Experimental Station, Costa Rica, Central America; Agronomist in Charge, Cedar Grove Experimental Station, Jamaica, B.W.I.; Head Gardener, Ashwicke Hall Gardens, Marshfield; Head Gardener, Whitebarn, Boars Hill, Oxford; Estate Manager, London Film Productions, Denham; Curator University Botanic Gardens, Istanbul, Turkey; Estate Manager, Metro-Goldwyn-Mayer British Studios Ltd.; Studio Manager, M.G.M. British Studios Ltd., Boreham Wood; Company Director and Studio Manager, M.G.M. British Studios; and Company Secretary and Administrator, Borde Hill Garden Ltd.

Frank Clarke (1932) has retired after completing 35 years with the Suffolk County Council where he was Horticultural Organiser. He has taken on a part-time job with Fisons.

T. Deans (1960) took up the post of Lecturer at the Cheshire College of Agriculture, Roseheath, Nantwich, in December. Previously he was Horticultural Officer with Liverpool Parks Department.

Alex G. Dixon (1960) moved from Bexley Parks Department in August and is now Deputy Parks Superintendent with Hove Parks Department, Sussex. He writes—"Heather and the boys are well".

R. Dyer (1934)—see E. D. Scarr (1967).

J. E. Elsley (1964) was appointed as Botanist at the R.H.S. Gardens, Wisley, in January.

Ernest V. Floto (1928) retired from the post of Curator of the University Botanic Garden in Copenhagen during October, 1969. On leaving Kew he became Assistant Curator, taking the post of Curator in January, 1956.

B. Frankland (1967) took over from M. J. Griffin (1963) as Technical Assistant to the London Borough of Bexley.

P. A. Goodbury (1969) took up the appointment of Lecturer in Horticulture at Cheshire College of Agriculture, Roseheath, Nantwich in September.

G. Graham (1967) reports that there was a small gathering of Kewites at Newport during June when Brian Nash (1967) and Alan Rich (1967) visited Geoff and his wife Marion (also 1967) for a weekend recently.

Even more recently he wrote in with the news that he has been appointed to the post of Deputy Parks Manager at the Bebbington Parks Department and commenced duties in September. Geoff wrote—"Both Marion and I were sorry to have missed the A.G.M., but as you will realise we were in the midst of settling in. We will try to attend most of the Guild's functions next year". (See Awards.)

Brian Halliwell, Assistant Curator, Decorative Department, made a private visit to Nepal during the latter part of the year.

Mr. Halliwell has produced a very interesting account of his journeys and experiences (which included a three-week trek into the mountains plant-hunting) in duplicated form. In this he writes: "How does so much beauty affect the Sherpas who live always with it? Would they find a city landscape more attractive? Perhaps civilisation would mean more to them than such intangible beauty. But, with civilisation comes dirt, noise and speed, and a seething humanity. One fights for survival either in the cities or in the mountains but the adversaries are quite different".

R. Hebb (Mr. and Mrs., 1968) of the Arnold Arboretum, Jamaica Plains, U.S.A. Congratulations on the birth of a daughter (Elizabeth Doris) on 1st November.

Harold G. Heywood (1968) wrote in during September with the news that he had been successful in the Intermediate D.I.P.A.—"I started on a correspondence course for the examination in March, 1969. Needless to remark, it involved a great deal of hard work, but I did enjoy it and as a result I was able to enter for the examination this year with lots of confidence". He goes on to explain that he visited many other departments, particularly crematoria.

Continuing—"Earlier this year I was solely concerned with the establishment of two nature trails in our department. This was indeed a tremendously interesting job which was no small challenge. In addition to organising and collecting the information for the trails I was responsible for the design and production of two booklets". These are—*Stewart Park Nature Trail* and *Preston Park Nature Trail*, both produced by the County Borough of Tees-side Parks Department.

P. D. M. Hitchin (1966) has completed a three-year course at a Baptist Theological College in Glasgow.

D. H. Holmes (1962) is Technical Assistant for Northampton Development Corporation.

FRIENDS OF THE 'TWENTIES

C. Jones (1923) (Vice-President 1964/65), wrote in recently and here is part of his letter—"Glancing idly through some of my copies of the *Kew Guild Journal* I noticed in the 1931 copy the late Ernest Dunk (Editor, 1922-38) wrote—"Friendships formed at Kew will stand the test of time and the desire is ever present no matter where Kewites are situated to keep in touch with Kew men wherever they may be".

"I personally find that on retirement these friendships become even more close and valuable and 'Ernie' Dunk's words set me thinking quietly of the past fifty years and of Kewites whom I meet fairly regularly. Jim Watson, Ted Coward, Harry Butcher, Frank Squibbs, R. Mason, Jock Mackintosh, Ian Coventry, Percy Conn, (Dr.) Charles Hubbard, W. Franklin, Frank Knight, George Robinson, Mrs. Lees (Miss Burrell), Mrs. Davies (Miss Rudolf) and Charlie Coates, all of the 1921-23 period. In addition, Charlie Stock, George Catt, Clem. Poulter, Syd. Pearce and George Joy. Of later periods George Preston, John Simmons, Stan Rawlings and our editor, George Brown—all still at Kew. The two Kewites I meet most regularly are Charlie Coates and Charlie Rudd, both of whom are natives of the district of Yorkshire in which I reside.

"Charlie Coates, after 34 years of service at Kew, returned to his native Catterick. Any Kewite who visits me is taken along to Charlie and Mrs. Coates. He is fortunate in having a walled garden at the rear of his house. It is wonderful to wander around his collection of plants. Charlie is a member of the Catterick Church choir and many members of the Guild were delighted to view him on their T.V. sets when the massed district choirs were singing at the Christmas Carol Service last December, 1969. The camera operator, no doubt noting his age, appeared to concentrate on Charlie. Truly a remarkable man for over 80 years of age.

"Charlie Rudd, who always accompanies me to visit Catterick when in Yorkshire, departed during August, 1970, for a visit to Australia and New Zealand. His itinerary includes the Park Conference in Melbourne, a Cricket Test match and of course visits to Kewites in both countries. We expect him home in time for the 1971 dinner, still a bachelor, 'we hope', otherwise I will have to purchase the blankets I promised him once 30 years ago for his wedding day. Jim Watson continues to travel extensively to find and view his beloved alpine and rock plants. During late spring, 1970, he was in Greece and in July he toured the West coast of Ireland by car, visiting many famous gardens."

Walter J. Karami (1965) has returned to Nairobi from Australia. He wrote—"I had a very interesting time in Australia where

I visited all the state capitals. I picked up some very useful material on the administration side." He has left Nairobi Parks Department and now holds the post of Head of the Advisory Service of the Tea Research Institute of East Africa at Kericho.— "I started on my new job in June and I have been in Uganda for three weeks studying tea cultivation in this part of East Africa. My work involves technical advice to all tea growers in Kenya and also acting as a liaison officer between the Institute and the growers".

P. A. Ketley (1969) now holds a Temporary Labour Certification Permit which will allow him to live in the U.S. Virgin Islands to take up his duties as Horticulturist in Cancel Bay Plantation until 1971. During this period he is hoping that his application for a permanent visa will be approved by the State Department in Washington.

J. Lawson (1927) was awarded the B.E.M. in the Queen's Birthday Honours, June, 1970. Mrs. Jock Lawson was listening to a radio news broadcast when she was startled to hear that her husband had been honoured in this way. It was awarded for long and devoted service as Overseer of Parks and Gardens at Yallourn and for his outstanding contribution to the field of horticulture generally.

Born in Fife, Scotland, 69 years ago, Jock served a gardener's apprenticeship at Dundas Castle. Service in other large private gardens were followed by three years at Glasgow Botanic Gardens. Training at Kew followed. Leaving Jock to continue his story— "I left Kew in May, 1927, and arrived in Melbourne in July. I spent a year in Ballarat Botanic Gardens before taking the position of Overseer to Yallourn in 1928. This is the power (electric) centre for Victoria and is controlled by the State Electricity Commission. This organisation was set up in 1919 and commenced operations in 1921. The township dates back to 1924. Power is transmitted to every corner of the state, 98 per cent of the industrial requirements being met.

"My contribution to Yallourn (aboriginal for coal) has been to the layout and maintenance of parks, gardens and playing fields. This terminated four years ago, in May, 1966, when I reached the age of 65.

"The early men I am in touch with are Noel Lothian (1940) and Percy Trevaskis (1927). Percy was married in England and honeymooned his way to Australia. I came here on 'spec' and my fiancée followed and we were married in Yallourn."

J. Lewis (1941) has taken up employment with the Napier Parks and Reserves Department. He writes—"It is rather a coincidence that four Kewites now live in this small city and all with the initial L.—L. Lannie (1939), Mr. and Mrs. Low (1961 and

1964) and myself. So far I have not had much opportunity to contact New Zealand Kewites to any extent, but I did have the pleasure of a few hours with J. Short (1940) at Wellington University. We were together at Messrs. Duncan and Davies of New Plymouth in 1936-37 and later in the same 'digs' at Kew in 1939-40, thus we had a great deal in common to talk over. I have also talked with J. G. C. Mackenzie (1934) of Hastings on the phone, but haven't seen him in person yet, although he is only eight miles from here.

"I find New Zealand very much advanced horticulturally since I was here on exchange in 1936-38. All the major towns have excellent parks and other recreational facilities while most private households take a pride in their gardens which are usually a joy to behold. There is a great diversity of plants which are hardy in this very favoured district of Hawkes Bay with its high average sunshine, reasonable rainfall of 32 inches a year and only a few frosty nights during the very short winters."

Mrs. Mollie Longman (née Miss Sillitoe), Copy Typist, retired on 1st May after exactly 23 years at Kew during which time she worked in most of the departments, ending in the typing pool. Her father, the late Mr. F. S. Sillitoe (President 1931) collected plants for Kew when he was serving in the Anglo-Egyptian Sudan.

G. L. Lucas (Senior Scientific Officer, Herbarium) became one of the Joint Honorary Secretaries of the Council for Nature on 1st January, 1971.

Dr. C. G. Marchant, Senior Scientific Officer in the Jodrell Laboratory Department, left during September to take up an appointment in Canada as Research Scientist in the Botanical Garden, and as Assistant Professor at the Ministry of British Columbia. He will be working under the direction of Dr. R. L. Taylor. The garden is being developed on the theme "Plants and Man", and to a considerable extent will be utilising the Cordilleran Flora of the area for both decorative and scientific purposes.

Dr. C. R. Metcalfe. "During our recent visit to the U.S.A., we met the following members of the Kew Guild, all of whom send their greetings to old friends: D. A. Brown (1950), T. H. Everett (1927) Past President, both of New York Botanical Gardens; G. P. de Wolfe, Mr. and Mrs. Hebb (1968), both of the Arnold Arboretum. The Hebbes are expecting their first child.

M. Norton (1969) is in charge of the Arboretum at Batesford Park, having taken over from R. Wickham.

J. O'Connor (1966) is teaching rural studies in Shropshire. In a recent letter to Mr. Pemberton he wrote—"We have landscaped

most of the school buildings, adding a large shrub ground cover bed, an island herbaceous border, some two dozen climbers and a herb garden, etc. I put up a very successful baby 'bubble' greenhouse, 12 ft. x 12 ft., and this has withstood severe gales and several power cuts. During August I took fifty children to an outdoor field centre which the Shropshire Education Committee have set up at Arthogl on the North Wales coast. It is an elaborate set-up with landrovers and all the equipment for mountaineering, pot-holing, canoeing, etc., and facilities for ecology, geography and other studies."

B. L. Perkins (1950), who retired recently (*K.G.J.* (1968), Vol. VIII, No. LXXIII, p. 895), is now a Horticultural Consultant. In a recent letter he wrote—"Since retiring in late 1967, I hardly anticipated undertaking any further work in an official capacity, but, in a moment of weakness, did agree to keep my eye on the planting of some fifty coconut palms on the beach of a new hotel in Mombasa.

"That modest beginning led to the designing of the gardens and their layout at this hotel. Then my activities included gardens of the two wildlife lodges in Tsavo Game Park, now nearly completed. Even then I was not allowed to rest and become an 'orchid cabbage' in Mombasa, for now my activities include the redesigning of the gardens at the lake Manyara Hotel in Tanzania, gardens at two new lodges in Serengeti, a further two at Dar es Salaam, sundry others are now on the waiting list at Zanzibar and Mafia Island. I shall need to live to a ripe old age to get all these finished. In the meantime my orchid collection is beginning to show certain signs of deterioration with so little time being spent on them. Needless to say not even the finest orchid could now tear me away from this absorbing new work, so the sooner they realise this the better it will be for them!"

C. G. W. Poulter (1928) retired from the post of Deputy Director of Parks in Glasgow in late December, 1969.

Noel James Prockter (1937) of *Amateur Gardening* fame (he was appointed Assistant Editor of this publication in March, 1946) is, we found recently, Gardening Correspondent of the *Sun* newspaper, but we are obviously out of touch for he has been since 1967. We contacted him about this and find that his other activities have included radio talks and contributions to the *Gardening Year*, *Readers Digest* and *The Marshall Cavendish Encyclopaedia of Gardening*. We all know his books *Simple Propagation* and *Garden Hedges*. Now again by chance we find he was Hon. Secretary of the British Delphinium Society, 1950, 51 and 52 and Hon. Secretary of the Hardy Plant Society, 1957, 58 and 59. After leaving Kew he was manager of J. Cheal and Sons Ltd., Crawley, and Assistant Horticultural Manager of Ed. Webb and Sons, Ltd., Stonebridge.

C. W. Roome (1965) was appointed in March to Area Supervisor in Danson Park with the London Borough of Bexley. He has 189 acres in his charge with 28 men (40 in summer). There are various sports facilities with Flower Shows, hydroplane racing, cycling, etc.

The park was landscaped by Capability Brown, including, of course, the extensive lake. Dorothy Stroud in her book on Capability Brown (published by *Country Life*) writes of Danson Park—"it provides a pleasant oasis in a heavily built-up neighbourhood".

E. D. Scarr (1967). In a letter dated 20th June wrote—"I have had the examination results. I now have the N.D.H. (S.A.). My wife, Jennifer (née Miss J. Nau (1967)), tackled the first half last year".

Errol was promoted to District Officer—Technical and Training—with the Durban Parks authority in May. He continues—"The technical work involves estimates, planning and specifications with a considerable amount of correspondence. The training involves students and staff. At present we have 16 pupils but I am also helping the senior staff to get through the N.D.H. This qualification is becoming more and more essential here and there are staff in their 40's who are getting back to studying. Block release courses have also started in Pretoria."

Errol followed this with a letter in August—"Last week I had to fly up to Pretoria to see our pupils at the Pretoria College of Advanced Technical Education. While up there I arranged a visit for several of our pupils who were on a course at that time. It was to the National Museum. I had a long chat with Dr. R. Dyer (1934) and Miss J. Verdoon (1927) both doing a good job with our flora. Another Old Kewite I met was J. Aves (1939), who is Deputy Director of Parks, Pretoria."

R. Shaw, the Curator, made a tour of the West Indies and the Americas including Miami, the Bahamas, Jamaica, Chile, Brazil, St. Vincent and Antigua where he met horticulturists in botanic and other gardens of note. Mr. Shaw, accompanied by Mrs. Shaw, left on 9th November, and returned after what they described as the most thrilling experiences of their lives, on 20th December.

J. R. Sieben (1952). An interesting letter arrived from J. R. Sieben, Park Superintendent, Queenstown, Cape Province — "Queenstown is a comparatively small town, with a population of 30,000, of which 20,000 are Bantu (Natives). The town is progressive and has its own parks department. It lies on high ground surrounded by mountains reaching 3,500 feet. The summers are hot, with temperatures of over a 100°F. in the shade during the day. Luckily the night temperature usually drops to 60°F. In winter the nights are cold with up to 15° of frost, while the days are warm, temperatures of up to 80°F being registered. These low

night temperatures limit the vegetation and sub-tropical plants do not survive. The mainstay of the gardens here are the usual plants found in the English gardens, mostly deciduous. Roses are particularly good here as the soil is a heavy clay. Street trees are mainly the smaller type of elm, ash and acacia. These appear to be the only trees which can survive the severe drought conditions prevailing here. Oaks do grow but are very slow.

The rainfall on average is 20-22 inches, but the last five years have been approximately half of this. Our rain comes in storms, sometimes hailstones in which two inches of rain or hail may fall in half an hour, doing more damage than good. All our glass-houses and frames are protected by half-inch chick wire, some hailstones being one inch in diameter. After such a storm it probably does not rain again for a couple of months.

Miss E. Stevens (1968) wrote in during May that she had been sent on three months detached duty to Cleppa Park E.H.S. from Luddington.

A. D. Stevens, Supervisor, Arboretum South, retired on 30th September, after 14 years of service in the Gardens.

G. E. Stone (1950) was appointed as Director Adjoint de Plantation, Manufacture de Cigarettes du Cambodge Phnom-Penh, Cambodia in October. Previously he was Leaf Manager in Tobacco at Sierra Leone and Trinidad.

J. O. Taylor (1947) wrote in recently with the news that his company, J. O. Taylor Ltd., had combined with Bedford Seeds Ltd., and Martin Ormondy Ltd., to form a new horticultural division of Crothall and Co. Ltd. John will manage this division. Crothall and Co. is a large world-wide service organisation with a staff of approximately 8,000. They operate in New Zealand, Australia and Great Britain. Mr. E. A. Crothall formed the public company in Christchurch in 1964, and since that year diversification has been into catering, dry-cleaning and horticulture, the latter being in the plant-hire field and production for chain stores.

Jim Thomas (1946) is now in charge of the Parks and Reserves Department, Townsville, North Queensland. He wrote in July—
“In Townsville I am happily settled in a tropical atmosphere which is my favourite climate. We are in a dry spell and have had water restrictions (in parks) for two years.

“The city of Townsville has plenty of provision for open space, the town plan reserving some 18,000 acres for parks and reserves. Some 8,000 acres will soon be declared a flora and fauna reserve. On Magnetic, five miles off shore, which is also part of

the city of Townsville, approximately 6,000 acres is a National Park. I do not know of any other place with such extensive areas set aside within the city boundaries."

R. G. Thomas (1958), who is the Caribbean Area Horticulturist, writes—"Should any Kewite be offered employment in the U.S.A. perhaps you would advise him that it may now take two years to process an application for a work permit into this country. Fortunately in our case we were able to offer Mr. Ketley (see P. A. Ketley) suitable employment in the British Virgin Islands some 40 miles away."

A. M. Weir (1968) is still enjoying life with the S.S.H.A. where he has been since August, 1969. In his spare time he is working with a group on the restoration of Livingstone Mill. He is also interested in the preservation and conservation of the Union Canal running between Edinburgh and Falkirk. The local history of the Livingstone area also takes much of his time. "Fortunately", he writes, "I find time for my wife and children—Clare and Allison".

Mrs. Ann White (née Magor), who at one time worked in the Gardens (Temperate House and Arboretum Nursery), visited the Herbarium in July, 1970. She plans to make a journey with her husband in an Arab Dhow, from Mombasa via the Seychelles and Madagascar to Portugal. She hopes to collect seeds and dried specimens en route.

R. Wickham (1969), who left Kew to take charge of the Arboretum at Batesford Park, Moreton-in-Marsh, Gloucestershire, is now a student on the N.D.H. course at Writtle.

Miss J. Verdoon (1927)—see E. D. Scarr (1967).

During June three students taking the M.Sc. course in plant taxonomy at Reading University visited Kew learning about various aspects of the work. Their visit lasted for six days.

The Royal Botanic Gardens, Kew, are now recognised as an Associated Institution of Reading University. The Director has been given the title of Visiting Professor and certain other members of the Scientific Staff have been given membership of the Academic Staff of the University.

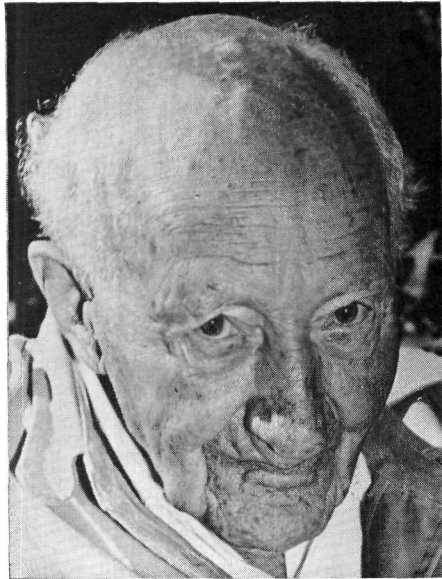
The rare Madagascan orchid, *Eulophiella roempleraea* (cv. 'Brodbeck') presented to Kew early in the year by M. Marcel Lecaule of Boissey-St.-Leger, France, after being awarded the Certificate of Cultural Commendation at the R.H.S., was also successful in being awarded the Westonbirt Orchid Medal. It was awarded this year for the most finely grown specimen orchid shown to the R.H.S. during the year. In 1969 the medal was awarded to V. S. Summerhayes (Vice-President 1966-68) for his literary and scientific work in connection with orchids.

IN MEMORIAM
W. H. PATTERSON

A treasured link with the "Three of the First Lady Gardeners at Kew (1898)" has been broken with the passing of William Henry Patterson. He died on October 30th, aged 97.

The following account, written by his daughter, Mollie Patterson, will give readers some measure of his great work—

"W. H. Patterson was born on June 12th, 1872, at Colchester, Essex. He left Kew in 1901 and in 1902 married Alice Hutchings,⁽¹⁾ who had also been trained at Kew (and was one of the first



five women) and at Swanley. At this time he was lecturing in Horticulture at Reading University College. In 1904 they went to the West Indies, first to Antigua and then to St. Vincent, where he was resident master at the Agricultural School. He transferred to Aburi, Gold Coast, in 1912, where he became Entomologist. During the Empire Exhibition at Wembley he was in charge of the Gold Coast section; for his work on this he was given the M.B.E. At 55 years of age he was retired in 1929. Feeling too fit and young to do nothing he offered his services again to Africa. Through his friend, Rev. F. H. Wright of Reading University, he met the Bishop of Central Tanganyika, Dr. Chambers, who invited him to the Australian C.M.S. station at Katoke, an agricultural school, where he spent about three years. Later, he was invited to Uganda and was offered by the Church Missionary Society a variety of jobs. He chose that of "beautifying the Cathedral grounds". His work is best known to Africans who have known him over all his years of service in Uganda; most Europeans have seen him over their own much shorter spells in the country. He came in 1933 and remained, without taking time out of the country, until his death on 30th October, 1969. This work, of course, has been voluntary. He was living on his pension.

"Both African and European friends who have written to me since his death have praised his faithfulness to his work. In his early days he did not spare himself; he also expected his men to work hard.

"I am told that he transformed the hill on which Namirembe Cathedral stands from wild elephant grass to its present sweeps of cut grass, ordered paths and the small well-kept, flower-planted graveyard.

"He continued to employ men and to oversee their work up till two weeks before he died—but of course this was then taking just all the strength and energy he had.

"When he first came to Uganda he did a certain amount of scout work. He was always keen that boys and young men should get on and take their opportunity to help themselves. It troubled him when he felt a lad was not making an effort where he could."

The following account of Patterson's work appeared in *New Day*, 11th November, 1965—a newspaper for all Uganda.

HIS TOIL MADE NAMIREMBE BEAUTIFUL
by Lilian Mukwaya

Some time ago, when I was a young girl, I used to walk bare-foot to the Cathedral, helping my father, who was the Vicar of the Cathedral, with his bookcase. At that time the Cathedral was surrounded with a compound of bare earth and eroded soil. In those days, no one knew anything of the wonderful beauty of Africa's green grass and the beautiful shrubs and flowers and trees being planted and cared for at a place where God is worshipped by thousands of people. The great answer to the problem of this bare hill, which is one of the seven hills of Kampala City, was provided just by one humble, quiet, hard-working man, whose name is W. H. Patterson. He is the father of Miss M. F. Patterson, a teacher at Gayaza High School.

This man had his own plan for making the Cathedral a better place. He selected the various plants, trees and flowers, and he managed most of the hard work by himself. When you go round this place now, you may think that there were hundreds of porters, and tractors to toil and tackle this hard labour. The fact is that the first tremendously hard work was done almost by one man. He planned the work, supervised it, and supplied the capital. He might have had some assistance in a few items. He had unskilled and untrained labourers whom he trained, and they were all Africans.

Mr. Patterson's hard work, and his determination to create beauty to surround God's Temple, gave a wonderful example to his porters. He was the first Namirembe white man who showed an example that this kind of unskilled job is not only done by African porters, as most of the people in those days used to think. He used to wake up very early in the morning, and he trained his porters to do the same, and he kept regular working hours. He trained the public to keep off the growing grass, because at most

times narrow paths were made by the public as short cuts through the lovely new grass. He kept watch over the young plants and flowers almost day and night to keep them from being pulled out by people who wanted them for their own gardens, and this was a tough job. He stopped heavy soil erosion which kept washing away the soil. What was most amazing to me and my other sisters and brothers was that we hardly ever heard him shouting at people, or taking them to the police when they tried to steal his plants. He would only wave his walking stick instructing you to keep off the grass, or move away. You can now see from the variety of trees and shrubs that his collection comes from various countries. Nobody knows how he managed to buy all of them!

Nowadays our Cathedral is one of the famous beauty-spots of Uganda, and it has a name for the quiet beauty of its atmosphere. All the heavy, wonderful work was the dream of one single man, who never wrote or talked about his vision, but who got up and changed the dream into reality. I do not think any of us who saw this man in his early Namirembe years, when he started this work has adequate words to thank him for the wonderful, beautiful place he created for us, and we feel proud of this place. Now that he is very old and weak, let us try and follow his example of creating beauty in this wonderful land God has given to us. By doing so, we shall be adding to and developing what Mr. Patterson has done during the length of his thirty years on Namirembe. Let this be an important example to our younger generation who are gifted with their hands to use their talents without shame. We can always do better than we are doing now if we are determined, and willing to put effort into everything we do in life.

Let us hope that another person will be found to follow Mr. Patterson in order that his tremendous work may be carried on for many years to come.

Miss Mollie Patterson concludes her letter—"I was born in St. Vincent and my school days were spent in England—no children being allowed 'on the Coast' (Gold Coast) in those days.

"When Dada came to East Africa I had just started teaching and spent holidays with my mother who, after years in West Africa, was not well enough to make a new start at once in another part of Africa. She planned to join him when she had regained her energy. However the war intervened and in 1944 my mother died in January after a very short illness. ⁽²⁾ This led to my coming to Uganda in 1946.

"My Aunt—Miss Annie Hutching—is still living in Deal."⁽³⁾

(Miss M. Patterson is a teacher at Gayaza High School, Box 7029, Kampala.)

(1) *K.G.J.*, 1959, Vol. VII, No. LXIV, page 705.

(2) *K.G.J.*, 1944, Vol. VI, No. LI, page 403.

(3) *K.G.J.*, 1963, Vol. VIII, No. LXVIII, pages 299 and 300

E. K. THOMAS

We deeply regret the passing of a great Kewite, Ernest K. Thomas. He died on 12th June, 1970. He was 87 years of age. Dr. E. K. Thomas was the Guild's Vice-President from 1962 to 1964 and a full account of his career with a photograph was published in the *K.G.J.*, 1962, Vol. VII, No. LXVII, page 137.

In view of this, and in order to publish a more personal appreciation of his work, we wrote to the Rhode Island Horticultural Society of which he was a prominent and important officer. His son, Mr. S. B. Thomas, the Treasurer of this Society, replied as follows:—

“I've reviewed the profile you published in the *Journal* and considered on a professional level there is not much more to be added. This is explained when one understands Mr. Thomas was in his 79th year when the biography was published. His last years were confined to private consultation and advice.

“So many of his friends and associates commented that he lived the kind of life he really wanted to live and I detected a faint hint of envy which for me is a fine tribute. His passing was acknowledged by the City's Mayor, the State's Governor and our U.S. Senator.

“I'm certain it will come as no surprise to you that my father had a warm spot in his heart for Kew and all it represents. I can still recall many of the stories he told about his youth at Kew. I think one of the highlights of his life was when he found it possible to return during one of his tours.”

We offer his son, Stanley B. Thomas of Providence, two daughters, Miss K. Thomas of Providence and Mrs. James L. Sammons of Narragansett, and four grandchildren, our sincere sympathies

F. G. HARCOURT

It is with great regret that we have to record the death of Frederick George Harcourt on 11th November, 1970, in his 82nd year. Harcourt was President of the Kew Guild, 1962/63, and an account of his career appears in the 1962 *Journal* (pp. 135-6) with a full-page photograph. It seemed more fitting therefore to publish an appreciation from one who was a very close friend, Mr. F. Flippance, who writes—“My first meeting with Freddy Harcourt was 1908. We attended a course of Botany Lectures at the Guildford Technical Institute, before either had thought of Kew. Our next meeting was at Kew in 1913, a pleasant surprise to both. At Kew we engaged in the various activities—lectures, botanising, cricket, football, etc.—always there was the eagle eye of that great teacher and friend of students, C. P. Raffill (Charles to all of us, God bless him). Inevitably we both became embroiled in the Great War of 1914-18.

“With the cessation of hostilities, F.G.H. went back to Kew and resumed duties. In August, 1920, he left to take up his appointment in the West Indies. We met again in a Guildford street in 1947 and we found that we had retired close to each other. We were close friends and grew more so as the years rolled by.

“Like many Kewites in the past, Harcourt set himself the task of carving out a career abroad but it was most unusual as it ran between agricultural and horticultural posts until he was transferred to the Colonial Administration Service, a very rare occurrence at any time. This brought him a well deserved honour with becoming modesty.

“Over the last 25 years we have spent many happy times together. One such occasion is worthy of mention—four, including myself, of 1913-14 vintage were able to meet and spend a happy day together—A. F. Baker (South Africa), A. Braybon (Far East and Argentina) and F. G. Harcourt (W. Indies). We had lunch at Kingston and visited Hampton Court. We enjoyed the day and felt that a high standard was being maintained.

“Finally, his genial manner and warmth of interest in the troubles of others is an example of the best type of Old Kewite and is worthy of emulation by present and future Kewites. We all mourn his passing and send our deepest sympathies to his wife Louise and his daughter Yvonne.”

F. FLIPPANCE, *President, 1958-59.*

CYRIL N. WARREN

On July 1st, 1970, we received the following letter from Mrs. Anita S. Warren — “We received the 1969 copy of the *Kew Guild Journal* Monday morning, June 22nd, about ten hours after Cyril died. It was such a shame that he did not live long enough to enjoy the article as much as we did.* It was a most fitting tribute to a ripe old age. His passing was sudden and unexpected—”

We extend our sincere sympathies to his wife, Anita S., and to his son, Neale E.



* “The founding of the Orchid Digest”, *K.G.J.*, 1969, Vol. VIII, No. LXXIV, pages 988-92.

L. N. PROSSER

Mr. L. N. Prosser passed away suddenly on 22nd March, 1970, as the result of a heart attack while he was in church. He was born on 20th March, 1910, at Worthing, Sussex. Long before his schooldays were over he had firmly decided on a horticultural career. He was apprenticed to Messrs. J. Cheal and Sons at Lowfield, Crawley. Prosser entered Kew as a student gardener in 1934 and served in the Tropical and Decorative Departments. Under the student-exchange scheme he spent a year at La Mortola, finally leaving Kew in October, 1938.



His first post was with the City of Salford as Foreman Propagator but later he became Head Gardener. In 1948 he journeyed to Johannesburg to take up the appointment of Assistant District Superintendent in the Parks and Recreation Department. After service in various districts in the Department he spent five absorbing years at the well-known 50-acre indigenous gardens, "The Wilds". He was keenly interested in the South African flora and was very knowledgeable on this subject.

This acquired knowledge was put to good use when he was appointed Deputy Superintendent of Parks to the City of Port Elizabeth in March, 1957. The City was desirous of making Settler's Park a showpiece of indigenous flora. The cliff and valley site had great possibilities and Prosser used these to fine effect. Late in 1958 he was appointed Superintendent of Parks, a designation since changed to that of Director.

Prosser's greatest love was the study of indigenous plants in the environment. He supplied Herbarium specimens to Kew, Witwatersrand, Cape Town University and the National Herbarium, Pretoria. His own Herbarium of several thousand species was the result of wide-range plant collection in S. Africa and Europe (including Britain).

L. N. Prosser was a Past President of the Institute of Park Administration, S.A. He leaves four children, the eldest being Dr. G. Prosser of Cape Town. To them we offer our sympathy in their

loss. Mrs. Prosser predeceased her husband, having passed away last February after a long illness.

We thank Mr. R. R. W. Nixon, Deputy Editor of the *Eastern Province Herald*, for the photograph, it was taken a day before he died. We quote from the gardening column which appeared in this publication—"Little did I imagine that this would be the last picture ever taken of Mr. L. N. Prosser, the former Director of Parks. The plant is the Pelican Flower, *Aristolochia gigas*, and I asked Mr. Prosser, who went with me to see the oddity, to stand beside it and give an indication of its size. We both enjoyed our hour together examining the plant and reading about it in his reference books afterwards. I print the picture now as a little memorial tribute to an intelligent, charming, obliging man, whose going leaves Port Elizabeth a poorer place".

We are sorry for the omission of Mr. Prosser's name in the caption for the group photograph which was published in the *Journal* last year (p. 992). He is third from the right at the back.

W. N. EVANS

William Norman Evans died on July 5th, 1970, aged 80 years, only seven months after the death of his wife, whom he married in 1916.

Evans entered Kew as a student in 1912, and upon leaving commenced service with the Ministry of Agriculture and Fisheries. He was posted as Inspector in Hull and the East Riding of Yorkshire and remained in this area until 1950, when he took up duty in the south of England. Living at Hillingdon he was for several years Treasurer of an I.P.C.S. Branch.



During the First World War he served in the Army, and with the Home Guard when this was formed during the last major conflict. In this latter period and after his retirement, Evans showed a great interest in allotments and was often asked to judge at produce shows.

We extend our sympathies to his daughter, Mrs. M. H. Gowers.

J. N. MILSUM

John Noel Milsum died in Trimmer's Hospital on 4th January at the age of 80. He was born in Hampshire on his father's farm, Wanston Manor, near Winchester. Educated at King's College, Wimbledon, he trained at Veitch's Nurseries, Chelsea, and entered Kew as a Student Gardener.

Mr. D. H. Grist, a friend and colleague, wrote the following notes for "Malaysia":—

"Noel Milsum arrived in Malaya at the time of its most spectacular development, for in that year, 1913, rubber plantations in the East—principally in Malaya, Ceylon and Sumatra—for the first time produced more rubber than was obtained from all other sources throughout the world. During the 35 years of his Malayan service in the Department of Agriculture, Noel Milsum's duties included experimental work on rubber cultivation and later, on new crops such as oil palms and tea as well as on the improvement of coffee, fruits, vegetables and many other crops. He was also engaged in developing the agricultural experiment stations at Maxwell Hill and Cameron Highlands. Later, his work was more of an administrative character, first when he became State Agricultural Officer, Perak, and subsequently, when he was appointed Chief Field Officer, Federation of Malaya. His published work, of which the agricultural literature of Malaysia abounds, is a model of objectivity, clarity and sound information.

"In all his agricultural investigations, Noel Milsum applied his extensive knowledge of botany with a thorough training in gardening acquired at the Royal Botanic Gardens, Kew. His first love was plants and he was an accomplished botanical artist. While in Malaya, he discovered a new and rare grass, which was named after him—*Eulalia milsumi*—and he was elected a Fellow of the Linnean Society of London.

"To many ex-Malayans, Noel Milsum will be best remembered for his services to his fellow-internees in Changi and Sime Road where, as Head Gardener, he organized the production of food, which, in the words of the Men's Representative, E. Collinge, 'he



kept us alive, particularly during the last months of our internment'. For this work he was awarded a well-merited O.B.E.

"After leaving Malaysia, Noel spent two years in the Seychelles as Director of Agriculture before retiring to Tilford, Surrey, where he constructed a charming woodland garden surrounding the house, in which he spent his remaining years.

"Noel possessed a deep sense of duty, a friendly personality and a quiet sense of fun which endeared him to his colleagues and other friends.

"In 1939 he married Katherine Mary Beale who, as 'Kay' Milsum, was known to a wide circle of friends in K.L. and who died in 1957. He is survived by his second wife, Dorothy, *née* Adams, whom he married in 1959, and by his step-daughter, Ruth Barrow, to both of whom Noel's many friends extend their deep sympathy."

Milsum's dictation for an autobiography will help to complete the picture :—

"My appointment as Assistant Superintendent, Government Plantations, Department of Agriculture, Federated Malay States, took effect in October, 1913. The main duties were the supervision of food production on estates to supplement the rice supply to Indian labourers and others, and local supplies of fruit and vegetables for consumption in the towns. Later, I supervised rubber experiment (*Hevea brasiliensis*—Para Rubber) until the Rubber Research Institute was formed and took over all work with Para Rubber, throughout the country.

"After the 1914-18 war, leave was granted, when I joined the School of Agriculture, University of Cambridge and took the Diploma of Agriculture Course. My return to duty was followed by a posting as Assistant Agriculturist and was mainly concerned with new crops, e.g. Oil Palm, Tea, Cocoa and Coffee, chiefly at the Experimental Station, Serdang, Selangor. In addition I was engaged in developing the Hill Stations—Maxwell Hill, Selangor and Cameron Highlands in Barhang.

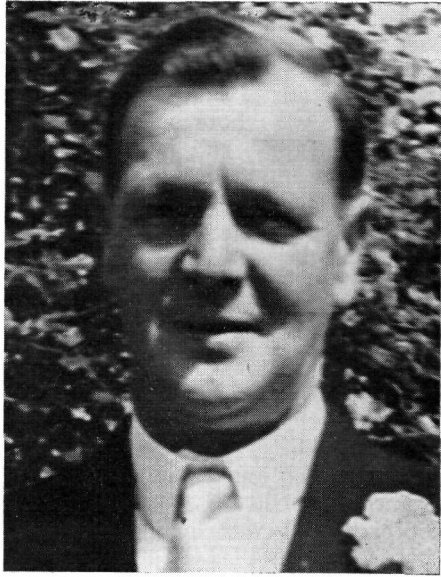
"Appointed as Senior Agricultural Officer in August, 1937, I joined the Field Branch of the Department and was gazetted State Agricultural Officer, Perak.* On the outbreak of war with Japan, my service with the Perak Local Defence Corps ended with Singapore. For this I was awarded the 1939-45 Star, the Pacific Star and War Medal. I was interned in Changi and Sime Road Prison Camps during the period of Japanese Occupation and appointed Head Gardener in charge of food production.

"After repatriation my appointment as Chief Field Officer, Malayan Agricultural Service in April, 1946. On retirement from Malaya in November, 1948, the appointment of Director of Agriculture, Seychelles followed and I held this for two years."

* Important work undertaken was the selection and asexual propagation of Malayan fruits notably "Rambutan" and "Durian".

H. E. WISEMAN

We regret the passing of Alfred E. Wiseman. Wiseman was born on April 23rd, 1907, and after early training he entered Kew as a student. He left in 1932 for a post with the then famous nursery — Messrs. V. N. Gauntlet Ltd., Chiddingfold, in Surrey. He later moved to "The Hoo Garden," Whitewell, Nr. Hitchin in Hertfordshire. From 1935 to 1950 he was Head Gardener at Eton College when he moved to the North London Collegiate School, Canons Park.



His wife wrote—"My husband had an operation for lung cancer in June and after a month of failing health, patiently borne, he died on the 15th November, 1970, aged 63 years".

We offer Mrs. N. Wiseman and her married daughter our sincere sympathies.

(Social Activities—cont.)

Photographic Section. The internal slide competition attracted 84 entries. A relaxing evening was spent viewing the slides and listening to the comments made by the judges, Mr. T. Harwood and Mr. S. Rawlings.

The results were as follows:—

Plant Portrait (Students)—1st Fruit of *Rosa rugosa* by D. Trevan; 2nd *Meconopsis grandis* cv. by V. P. Everett.

Plant Portraits (Staff)—1st *Helichrysum sessamoides* by B. Halliwell; 2nd *Camellia japonica* cv. by Mrs. R. Storr.

General (Students and Staff)—1st "Statue of Liberty" by R. Storr; 2nd "Guildford Cathedral" by C. Sawyer.

Kew came second in the Kew-Wisley-Edinburgh competition.

D. TREVAN, *Photographic Secretary.*

MISS M. W. CRADOCK WATSON

Another Swanley-Kew student has passed away, Miss Mary Winifred Ema Cradock Watson died on 16th January, 1969. She was born in London in 1887, and in her early twenties took a course at Swanley College. For a time she worked in the gardens of Cumnor Place, Oxford. From 1915-19 she was employed at Kew as one of the first women gardeners, and served in the Decorative and Tropical Departments.

In 1919 she joined her mother, who had become widowed and was delicate. Later, in 1932, she



moved to Ditchling in Sussex and after working in various private gardens she set up a small nursery of her own. The deceased's cousin, Miss D. M. Cockell, wrote—"She was a perfectionist, especially in the care of tools. She had many interests, chiefly poetry and drama, and was a great lover of dogs. Miss Cradock always spoke with great affection and pride of her connection with Kew".

But this notice would not be complete without a mention of the interesting little plant catalogue which Miss Cockell sent. It was one which Miss Cradock Wilson issued from her nursery. It was full of old favourites as Pink-Mrs. Sinkins—horticulture has lost much with the disappearance of such small nurseries—they were certainly wonderful training grounds for young gardeners.

We offer Miss Cockell our very sincere sympathies.

Drama Group. This group was formed in the summer of 1970. After a few weeks of play reading we commenced rehearsals for our first production, a Christmas Revue, "Beyond the Compost Heap" which was presented on 18th December. Criticism was very favourable and amply made up for the trying moments in rehearsals. Now we hope to present a play.

Our thanks go to all who helped in getting the revue off the ground, especially to the backstage staff, a much underrated band, who acted as if they had shifted props and worked lights since the day they had been born, and they only had one rehearsal!

A. F. TITCHMARSH, *Drama Representative.*

	<i>Entered</i>
	<i>Kew</i>
Senior Experimental Officer.....	P. G. Taylor, F.L.S. 1948
Experimental Officer	Miss S. S. Hooper, B.Sc., F.L.S. ... 1954
.. ..	D. Philcox, M.Sc., M.I.Biol., F.L.S. 1959
.. ..	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
.. ..	G. E. Wickens, B.Sc., M.Sc., F.L.S. 1967
.. ..	B. F. Mathew, F.L.S. 1967
.. ..	Mrs. J. L. M. Pinner (Miss Fletcher) 1952
Assistant Experimental Officer.....	S. A. Renvoize, B.Sc. 1963
.. ..	C. Grey-Wilson, B.Sc. 1968
.. ..	Miss P. Halliday 1947
.. ..	Miss V. A. Carder 1955
Botanist (Bentham-Moxon)	H. K. Airy Shaw, B.A. 1925
.. ..	H. M. Burkill, O.B.E., M.A., F.L.S. 1969
Botanist (S. African Government)....	J. D. B. Killick, M.Sc., Ph.D., F.L.S. 1969
Botanist (Australian Government)....	J. Carrick, B.Sc. 1968
Botanist (Iraqi Government)	E. R. Guest, B.Sc., A.R.C.S., A.I.C.T.A. 1959
Senior Scientific Assistant	Miss J. Forster 1947
.. ..	Miss I. Blewett 1941
.. ..	Miss T. A. Bence 1958
Scientific Assistant	Miss V. Mann 1958
.. ..	J. L. Gilbert... .. 1955
.. ..	Mrs. D. M. Bridson (Miss Shepherd) 1963
.. ..	Mrs. D. Polhill (Miss Moscoff) ... 1957
.. ..	Mrs. F. Neate, B.A. (P/T)... .. 1963
.. ..	Miss J. M. Shaw 1966
.. ..	Miss P. E. Carman... .. 1966
.. ..	Mrs. J. S. Page 1966
.. ..	P. J. Edwards 1967
.. ..	Miss J. E. Redpath... .. 1968
.. ..	Mrs. C. M. Barndon 1968
.. ..	Miss C. A. Pitts 1969
.. ..	Mrs. S. Dickerson 1969
.. ..	Mrs. A. E. Ansell 1969
.. ..	Miss L. A. Maskell 1970
.. ..	Mrs. M. J. Bowen-Jones 1963
.. ..	Miss M. A. Wood 1966
Senior Preparer (Sen. Lab. Attendant)	Miss I. L. Taylor 1959
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
Senior Illustrator	Miss M. A. Grierson, F.L.S. ... 1960
Executive Officer (Herbarium).....	Mrs. E. J. Everitt 1963
Clerical Officer (Herbarium).....	W. J. Nicholas, B.A. 1967
.. ..	Mrs. C. A. Goldfinch (Miss Heron) 1969
Clerical Assistant	Mrs. I. I. Scott 1963
Shorthand Typist	Mrs. P. M. Hutchinson 1966
.. ..	Mrs. D. A. Campbell 1966
Librarian	R. G. C. Desmond, F.L.A. ... 1961

PROFESSOR JOHN HESLOP-HARRISON

The following Press Notice was issued by the Ministry of Agriculture, Fisheries and Food on August 25th, 1970 :—

DIRECTOR DESIGNATE OF THE ROYAL BOTANIC GARDENS, KEW

The Minister of Agriculture, Fisheries and Food has appointed Professor John 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., to succeed Sir George Taylor, D.Sc., F.R.S., F.R.S.E., F.L.S., V.M.H., as Director of the Royal Botanic Gardens, Kew. Professor Heslop-Harrison will take up his appointment on June 1st, 1971.

Sir George Taylor, who was appointed in 1956, will retire on May 31st, 1971.

BIOGRAPHICAL NOTE

Professor Heslop-Harrison comes from a distinguished botanical family. His father, the late Professor J. W. Heslop-Harrison, was also a Professor of Botany (at Newcastle-upon-Tyne), and a Fellow of the Royal Society.

The new Director Designate of Kew Gardens is 50 years old. He was educated at the Grammar School, Chester-le-Street and Kings College University of Durham. After commissioned service in the Army during the 1939-1945 war he was appointed Lecturer in Agricultural Botany at his college. Subsequently he held the appointments of Lecturer in Botany, Queens University, Belfast (1946-1950), Lecturer in Botany and Reader in Taxonomy, University College, London (1950-1953 and 1953-1954) and Professor and Head of the Department of Botany, Queens University, Belfast, from 1954 until 1960. In 1960 Professor Heslop-Harrison was appointed to the Mason Chair of Botany at the University of Birmingham, where he remained until 1967. In that year he was selected for the Trail-Crisp Award by the Linnean Society. In the same year the University of Wisconsin, in which he had previously held the appointment of Brittingham Visiting Professor, appointed him as Professor of Botany in its Institute of Plant Development.



(continued on page 1170)

Assistant Librarian
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Clerical Officer (Library)
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Clerical Assistant (Library)
Typists (Library)
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Paperkeeper (Library)
Index Kewensis (Bentham Moxon)...
Index Londinensis (Bentham Moxon)
" " " "
" " " "
Senior Messenger
Paperkeeper (Packer)

D. V. Wilson, F.L.A.	1970
Miss K. E. W. Rattue, A.L.A.	1961
Miss G. M. Grainger, A.L.A.	1964
Miss B. R. Fairweather, A.L.A.	1968
Miss M. J. Kierans	1934
Miss H. M. White	1959
Mrs. K. E. Mortimer	1964
Mrs. P. A. Wilson	1967
Mrs. J. Ashman	1967
Miss M. I. Hutchins	1967
Mrs. J. E. Taylor (P/T)	1966
Mrs. M. Gazzard (P/T)	1966
S. F. Lansdell	1970
Miss M. I. Skan, M.B.E.	1919
P. Heawood	1959
Mrs. S. M. Shury	1960
Miss C. Newall	1961
C. R. Edwards	1965
E. W. Holland	1964

TYPING POOL

Clerical Officer/Supt. of Typists.....
Typist
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Shorthand Typist
Gardener, Grade 1

Mrs. M. J. Brind	1955
Mrs. E. N. Attwood (P/T)	1964
Mrs. I. E. Lightman	1964
Mrs. B. C. Davies	1965
Mrs. E. J. Fitchett (P/T)	1965
Mrs. J. E. Turner	1965
Mrs. P. M. Frost	1970
Mrs. J. L. Ronald	1966
Mrs. G. Hole (P/T)	1970
Mrs. R. Pfeiffer (P/T)	1970
Mrs. K. M. Murphy	
W. A. Mullins	1942

JODRELL LABORATORY

Keeper (Senior Principal Scientific Officer)
Principal Scientific Officer
Senior Scientific Officer
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" " "
Experimental Officer
" "
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Assistant Experimental Officer.....
Scientific Assistant
" "
" "
" "
Laboratory Attendant
" "
Laboratory Craftsman.....
Senior Photographer
Shorthand Typist/Receptionist

K. Jones, B.Sc., Ph.D., F.L.S.	1960
P. A. Thompson, B.Sc., M.Sc., Ph.D.	1964
Miss M. Y. Stant, B.Sc., Ph.D., F.L.S.	1950
T. Reynolds, B.Sc., M.Sc., D.I.C., A.R.C.S.	1966
D. F. Cutler, B.Sc., Ph.D., D.I.C., F.L.S.	1962
P. E. Brandham, B.Sc., Ph.D.	1970
F. R. Richardson	1934
Miss M. Gregory, B.A.	1961
D. J. C. Fox, A.M.I.T.E.	1966
Miss C. A. Brighton	1965
Mrs. R. Pusey	1970
Miss S. S. Forwood	1969
Miss M. Johnson	1970
Mrs. C. Parry	1970
Mrs. E. Turrell (P/T)	1965
Mrs. J. O. Ellis (P/T)	1969
E. Borez	1967
T. A. Harwood	1965
Miss V. Horwill	1951

MUSEUMS DEPARTMENT

Senior Experimental Officer	Miss R. C. R. Angel, B.Sc., Dip.Hort.Sc., F.L.S.	1958
Experimental Officer/Guide Lecturer..	Miss L. M. Ponsonby, A.G.S.M....	1965
Information Officer/Exhibition Officer	P. Reid	1968
Scientific Assistant	B. O'Dowd	1964
Museums Craftsman	R. Gilson	1970
Supervisor of House Stewards.....	I. Pryke	1963
Clerical Assistant	Miss A. Burgoyne	1970
Typist	Mrs. J. Carter (P/T)	1967

GARDENS

Curator	R. L. Shaw, N.D.H....	1966
Deputy to Curator.....	†J. B. Simmons, N.D.H. ...	1958
Assistant Curator	†G. H. Preston, F.L.S. (Herbaceous)	1934
” ”	*†S. W. Rawlings, A.R.P.S. (Tropical)	1934
” ”	†G. E. Brown, N.D.H. (Arboretum S.)	1946
” ”	B. Halliwell, N.D.H. (Decorative)	1968
” ”	†R. I. Beyer (Arboretum North) ...	1955
” ”	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
” ”	R. J. Sadler (Arboretum North) ...	1951
” ”	H. J. Jackman (Decorative) ...	1949
” ”	E. W. Macdonald (Succulents) ...	1950
” ”	†R. H. Rule (Tree Maintenance, Arboretum S.)	1956
” ”	†J. R. Woodhams (Ferneries) ...	1959
” ”	†M. J. Dawes (Tech. Services Dept.)	1964
” ”	†G. Pattison (Temperate H. Pits and Arboretum N.)	1969
” ”	†H. J. Fliegner (Alpine and Herb.)	1963
” ”	J. H. Mateer (Seed Dept., Arb. S.)	1952
” ”	L. Heywood (Arboretum N.) ...	1969
Scientific Assistant	J. Keesing	1967
” ”	Mrs. B. C. Brewer	1968
Clerical Officer	Mrs. M. D. Norman	1967

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
” ”	D. W. H. Townsend	1965W
Executive Officer	R. Forsdike	1966
Clerical Officer	C. H. Izard	1968W
Typist	Mrs. G. Turner	1965W

STUDENT GARDENERS ON A THREE-YEAR COURSE

(Commenced 7th October, 1968)

C. B. Bankole	A. P. Harvey	D. T. Maguire	M. Wilkinson
R. Chandler	C. Hilton	J. M. Reed	S. A. Wilton
G. Cole	M. J. Leppard	J. A. Smith	P. C. B. Young
C. D. Hallsworth	A. R. Lovett	G. R. Watts	

(Commenced 6th October, 1969)

✗ A. Andoh	J. C. Emerton	A. Herscovitch	T. N. Savage
R. C. Bletsoe	V. P. Everett	✗ H. B. Hewitt	C. F. Sawyer
J. P. Cox	Miss E. Feerick	✗ R. M. Leach	A. F. Titchmarsh
✗ P. W. Dunwood	T. E. Gilbert	✗ J. Manders	D. J. Trevan
K. E. Eccleston	J. Harris	B. R. Phillips	M. J. Whitehead

(Commenced 28th September, 1970)

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

(continued from page 1167)

Professor Heslop-Harrison has many publications over a wide range of botanical subjects and was Editor of the *Annals of Botany* from 1961 to 1967.

In addition to his Fellowship of the Royal Society, Professor Heslop-Harrison is a Fellow of the Royal Society of Edinburgh, a Member of the Royal Irish Academy and a Fellow of the Linnean Society and of the Institute of Biology.

ADDRESS LIST OF OLD KEWITES (October, 1970)

(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., 45 Cavendish Place, Eastbourne, E. Sussex.
 1957 -Addison, P., N.D.H., 6 Walney Road, West Derby, Liverpool, 12, Lancs.
 1960 Adshhead, P., Hothley, Kingsgate Road, Winchester, Hants.
 1926 Agate, C. J., 7 Beach Road, Great Neck, Long Island, N.Y., 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.
 1918 *Alcock, Mrs. N. L., M.B.E., F.L.S., c/o Dr. Bradley Moore, 3A Bath Road, Thatcham, Nr. Newbury, Berks.
 1969 Alderson, M. J., 3 Shrubend Road, 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., B.G., Singapore, 10, SS.
 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.
 1922 *Andrews, W. G., 15 Lindsay Avenue, Levenshulme, Manchester, 19.
 1968 -Annawetty, Miss L. (See Mrs. M. Nunov-Mensah).
 1962 -Anwyll, R. B., "Dawn," Inglewood Drive, Alswick, Bognor Regis, Sussex.
 1954 -Appleby, J., 53 Rathbone Road, Liverpool, L15 4HG.
 1964 -Armony, A., c/o Dept. of Landscape Architecture, 7 Shearwood Road, University of Sheffield, Sheffield 10.
 1947 *Armstrong, C. E., N.D.H., H.L., Kesteven Farm Inst., Claythorpe Court, Nr. Grantham, Lincs.
 1970 Armstrong, G. D., R.I. Evansville, Wisconsin, 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., N.D.H., Agricultural Education Office, Bridge House, Bakewell, Derbs.
 1959 -Atkinson, G., Kew Cottage, Calstock Road, Gunnerslake, S.E. Cornwall, PL18 9BT.
 1954 -Attenburrow, D. T., c/o Fisons, Levington Research Inst., Ipswich, Suffolk.
 1950 -Attwood, C. A., Atlas, 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.
 1968 -Baas, 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.), A.S. of Reserves, 42 Montague Road, Dunedin, 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.
 1961 Banbury, J. N., 20 Oxford Street, Woodstock, Oxford.
 1962 -Baren, M. E., D.I.P.A., 70 Ashdale Drive, Kings Heath, Birmingham, 14.
 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., 59 Hammer Way, Staplehurst, Tonbridge, Kent.
 1960 -Barnes, H. P., N.D.H., 55 Old Meeting Street, West Bromwich, Staffs.
 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, Bedwellly Park, Tredegar, Mon.
 1932 Bates, W., The Gardens, Witanhurst, West Hill, Highgate, N.10.
 1962 -Bauman, R. C., M.Sc., Mt. Cuba Botanical Park, P.O. Box 3570, Greenville, Delaware 19807, U.S.A.
 1954 -Baverstock, E., N.D.H., 1 The Cottage, Sidcup Place, Sidcup, Kent.
 1936 Beale, Mrs. S. E. (Hampton), Shelvingford, 37 London Road, Liphook, Hants.
 1970 Beardsley, C., 50 Crosswell Road, East Twickenham, Middlesex.
 1905 *Beatty, E. J., "Deva," Church Lane, Eastergate, Chichester, Sussex.
 1953 Bee, R. A., Dir. of Parks, Parks Dept., Cumberland House, Crown Square, Manchester, 3.
 1919 Beer, A., University B.G., Innsbruck, Tyrol, Austria.
 1942 *Bell, Miss C. O., B.Sc. (See Mrs. Martin).
 1963 Bell, H., 49 Kerry Drive, Kirkella, East Yorkshire.
 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 5PN.
 1967 -Beswick, J., 3 Old Tennis Courts, Tibberton, Newport, Shropshire.
 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.
 1929 Billström, G. A., Göteborgs Trädgårdsförening, Göteborg, Sweden.
 1924 *Binnington, R., S., 152 Bellemoor Road, Southampton.
 1958 -Binham, C. A., 21 Haddon Drive, Mickleover, Derby.
 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).
 1959 -Bird, S. F., 4 Prospect Road, Birmingham, 13.
 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.
 1945 -Blowers, J. W., A.H.R.H.S., Wyld Court Orchids, Hampstead Norris, Newbury, Berks.
 1946 Blowfield, A. H., S., 298 Limpsfield Road, Sanderstead, Surrey.
 1951 -Boddington, H. P., D.I.P.A., 20A Westside Common, Wimbledon, London, S.W.19.
 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.
 1959 *Bor, N. L., C.I.E., O.B.E., M.A., D.Sc., F.L.S., 20 Royston Court, Kew Road, Kew, Surrey.
 1938 Boreman, A. E., S., 58 Ferndale Road, Ashford, Middx.
 1948 Borrett, A. H., c/o Messrs. Notcutts, Woodbridge, Suffolk.

- 1956 -Boulton, J. B., 9 Firbank Road, St. Albans, Herts.
 1947 Bourner, E., Garage Flat, Nuffield Lodge, Redhill, Surrey.
 1966 -Bowen, R. D., A.Inst.P.R.A. (Dip.), c/o Park and Cemeteries, Crematorium Office, Benhall Mill 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., c/o Royal Botanic Gardens, Kew.
 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., 7 The Oaks, Greenacres, Aylesford, Kent.
 1939 Bridge, S., 437 North Street, Greenwich, Connecticut.
 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., P.O. Box 5382, Johannesburg, South Africa.
 1927 -Bromley, W. H., Coedmore Cottage, Saundersfoot, Pems.
 1903 †Brooks, A. J., F.L.S., F.C.S., A.H.R.H.S., 3 Somerville House, Manor Fields, Putney, S.W.15.
 1966 -Bowen, R. D., 54 Broad Street, Swindon, Wilts.
 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. Grn., 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, Waterlooof, Pretoria, Transvaal, Rep. of S.A.
 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., 15 Hillcrest Park, Exeter, 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.
 1969 -Burgess, A. G., c/o Royal Botanic Gardens, Kew, Surrey.
 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., Avebury Manor Gardens, Avebury, Nr. Marlborough, Wilts.
 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.
 1959 -Carter, B., N.D.H., 26 Langley Avenue, Surbiton, Surrey.
 1930 Carr, G. E., 51 August Avenue, Scarborough, 704 Ontario, Canada.
 1947 Carr, O., 35 Park Terrace, Dunston-on-Tyne, Gateshead, 11, Co. Durham.

- 1953 Carson, S. A., 3 Drury Lane, Weston, Canada.
 1953 Carn, L., N.D.H., 6 Ixworth Road, Troston, Nr. Bury St. Edmunds, Suffolk.
 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., E.O., Forensic Science Lab., New Scotland Yard.
 1961 -Caton, Miss R. A., Hill Farm, Farnham, Nr. Bishops Stortford, Herts.
 1929 *Catt, G. A., Stone Lodge, Borde Hill, Cuckfield, Sussex.
 1923 *Cavanagh, A. A., 5 Tehidy Road, Camborne, Cornwall.
 1903 *Cave, J. E., Merle Cottage, Foxley Lane, Binfield, Bracknell, Berks.
 1922 Chambers, Mrs. K. (Watson), Bines Common, Partridge Green, Horsham, Sussex.
 1919 *Chandler, P., 205 Reading Road, Wokingham, Berks.
 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., Secar'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., 17 Spring Lane, Hemel Hempstead, Hertfordshire.
 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.
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 -Clemson, Mrs. A. L. M.,
 1958 -Clift, M., West Field, Thorndown Lane, Windlesham, Surrey.
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 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 Piaze, Prov. di Venezia, Italy.
 1959 -Coghlan, R., Trevena, Holders, St. James, Barbados.
 1960 -Cole, T., 876 Maitland Avenue, Ottawa 13, Ontario, Canada.
 1960 Cole, Mrs. T. (Miss B. Briggs), ditto.
 1967 Coleman, D. V., The Grotto, School of Parks Admin., Lower Basildon, Nr. Reading, Berks.
 1958 -Collett, M. J., 34 Fraude Avenue, Torquay, Devon.
 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, Achmarheen, Ross-shire.
 1955 -Comber, J. B., Sapong Estate, Nr. Tenom, Sabah, Malaysia.
 1935 -Commeau, J., 28 Avenue de Mendiguren, 06, Nice, France.
 1923 †*Conn, P. W. H., M.Sc., P.P.Inst.P.R.A., A.H.R.H.S., The Bridge, Surrey Road, Seaford, Sussex.
 1949 *Constable, F., Parks, Cem. and Allotments Dept., The Council House, Corporation Street, Derby.
 1921 *Cook, F. J., S., 16 Seventh Avenue, Walmer, Port Elizabeth, South Africa.
 1962 -Cook, G. A., 209 Portland Street, Ashton-under-Lyme, Lancs.
 1945 *Cook, G. G., M.B.E., War Graves Comm., 180 Rue Jean Guyon, Albert, Somme, France.
 1929 *Cook, L., Hort. Supt., 173 Reddish Road, South Reddish, Stockport, Cheshire.
 1915 *Coombes, G., P.O. Box 179, Northridge, California, U.S.A.
 1944 Cooper, Miss B. (See Mrs. C. F. Jackson).
 1925 *Cooper, E. C. W., "Jescot," Shripney Road, Bognor Regis, West Sussex.
 1935 *Corkhill, W. J., Waen Rodyn Nurseries, Bodfari, Denbigh, Denbighshire.
 1935 Cossam, H. A., 1 Marble Hill House Drive, Evesham Rd., Pittville, Cheltenham.
 1932 Cousin, G. J. D., Dept. of Agric., Lapsi Street, St. Julians, Malta.

- 1924 -Coventry, T., 210 Towcester Road, Northampton.
 1923 *Coward, E. F., 84 Herne Hill Road, Herne Hill, London, S.E.24.
 1932 *Coward, E. J. H., Major, A.H.R.H.S., "The Spinney," Ballarnard Road, Douglas, I.O.M.
 1945 Cowell, Miss M. C., B.Sc., N.D.H. (See Mrs. Smith).
 1968 Cowley, R. C., 40 Minford Gardens, W.14.
 1949 Cox, H., 38 Allen Road, N.E. Atlanta, 5, Georgia, U.S.A.
 1920 *Craig, Mrs. A. P., Hunter Lodge, 12 Arundel Rd., Black Rock, Brighton, Sussex.
 1940 *Cramer, Johannes D. W., 395 Zephyr Street, Denver, 26, Colorado, U.S.A.
 1940 Cramer, Mrs. (B. N. Shepherd), ditto.
 1944 *Cranfield, Mrs. I. E. (Miss Bolton), 30 Bramley Way, West Wickham, Kent.
 1946 Croyley, R., Plant Pathology Section, East Malling Research Stn., East Malling, Maidstone, Kent.
 1955 -Crowder, G., Dept. Supt., Walton Hall Gardens, Higher Walton, Nr. Warrington, Lancs.
 1968 -Cudd, M. R., 125 Crescent Lane, Clapham Park, London, S.W.4.
 1938 Curry, T. G., 40 The Drive, Barking, Essex.
 1956 *Curtis, E. W., S.D.H., Curator's House, Botanic Gardens, Glasgow, W.2.
 1955 Dahampath, U. M. P., C., University Park, Peradeniya, Ceylon.
 1954 Dalgeish, J., The Flat, Sudley, Mossley Hill Road, Liverpool, 18.
 1927 -Dandy, J. E., M.A., F.L.S., "Rowans," Grove Road, Tring, Herts.
 1918 *Danes, Mrs. V. M. (Bell), 21 The Hill, Wheathampstead, Herts.
 1960 Darbyshire, P. J., 17 Vernon Place, Canterbury, Kent.
 1965 -Davenport, R., 12 Woodfield Road, Cheadle Hulme, Cheadle, Cheshire.
 1947 Davenport, W., Court Lees School, Godstone, Surrey.
 1967 -Davidge, R., Palavas, Hatch Close, Addeystone, Weybridge, Surrey.
 1919 *Davidson, Miss H. W., Culver House, Payhembury, East Devon.
 1941 Davidson, Miss I. M., 37 Westmorland Road, Sale, Manchester, Lancs.
 1938 *Davies, H. F., C., Ewanrigg Nat. Park, c/o Nat. Park Board, Salisbury, Rhodesia.
 1940 -Davies, P. W. C., S. of Parks, 20/22 St. George's Chambers, Merrial Street, Newcastle-under-Lyme, Staffordshire.
 1919 Davies, Miss R. A. (See Mrs. Bysouth).
 1951 -Davies, R. S., Hawthorn Nursery, Lower Common, Longden, Nr. Shrewsbury.
 1931 Davis, H. T., 119 Talbot Hill, Brislington, Bristol 4.
 1922 *Davis, Mrs. (Miss O. Rudolph), 3 Dean Road, Cricklewood, London, N.W.
 1944 *Dawson, D., 36 Cross Street, Ware, Herts.
 1948 -Dayson, F. G., 34 Forest Row, Roebuck, Stevenage, Herts.
 1937 Dean, G., D., Parks Dept., Auckland City Council, Private Bay, Auckland, New Zealand.
 Dean, H. A., Stonehouse Farm, Greenmount Lane, Bolton, Lancs.
 1958 Dean, P. J., 7 Lower Park Terrace, Pontypool, Monmouthshire, S.W.
 1936 *Dean, R. E., Regional Grounds Maintenance Officer, Reg.H.Q., Min. of P.B. & Works, Lawnswood, Leeds 17.
 1964 -Deans, R. F., 4 Church Road, Silsoe, Nr. Bedford, Beds.
 1960 -Deans, T., N.D.H., Lecturer, Cheshire College of Agriculture.
 1938 De Clerq, L., Rue de Gand, 227 Mont St. Amand-Gand, Belgium.
 1964 Dennis, Miss M. J. (See Mrs. Griffin).
 1960 -Derrick, A. F., H.J., 44 Rose Valley, Brentwood, Essex.
 1924 De Troyer, Ch. L., D., Grand Etablissement Horticole de Wolverthem, Les Bruxelles, Belgium.
 *1960 -De Wolf, Dr. G. P., B.Sc., Ph.D., c/o Arnold Arboretum, Cambridge, Mass., U.S.A.
 1964 Diedrick, V., Royal Botanic Gardens, Hope, Kingston, 6, Jamaica.
 1946 Dimes, Mrs. D. M., 48 Blake Avenue, New Malden, Surrey.
 1960 -Dixon, A. G., 84 Tamworth Road, Hove, Sussex, BN3 5FH.
 1909 Dixon, J., c/o Messrs. Bees, Sealand Nurseries, Chester.
 1961 -Dodds, B., R.R.I. (King Township), Kettleby, Ontario, Canada.
 1964 -Dodge, M. H., Winterthur, Delaware, 19735, U.S.A.
 1964 -Dodge, Mrs. K. M. (Miss K. Burlingham), ditto.
 1954 Donaldson, C., 1 Northfield Cottages, Univ. Field Stn., Wytham, Nr. Oxford.
 1931 Donnelly, E. J., The Canons Lodge, Madeira Road, Mitcham, Surrey.
 1934 *Douglas, J., S., F.Inst.P.A., 2 Longcroft, Robertson Park, Renfrew.

- 1935 *Downes, W. F., 38 Uxbridge Road, Hanwell, W.7.
 1945 Drewitt, C. E., 5 John Gay Road, Barnstaple, North Devon.
 1944 Drive, Miss M. M. (See Mrs. M. J. Cross).
 1928 Duke, Miss M. M. (See Mrs. Wallace).
 1935 *Dumke, G. P. W., Berlin B.G., Berlin-Dahlem, Germany.
 1957 -Dumont, T., 21 Rue Des Pommiers, Luxembourg, Val de Hamm, Grand Duchy of Luxembourg.
 1953 -Dunball, A. P., D.I.P.A., 3 Crossways, Gidea Park, Romford, Essex.
 1953 -Duncan, C. A. A., P.O. Box 11, Port Maria, St. Mary, Jamaica, West Indies.
 1965 -Duncan, C. M., N.D.H., 50 Hamilton Avenue, Sandycroft, Chester.
 1958 Dunk, Miss A. D. (See Mrs. Sceats).
 1957 Dunn, P. G., Dep. P. Supt., Llandudno, 10 Tan-y-Berllan, Deganwy, Caerns.
 1959 -Dunnenberger, W., Grey Lynn, New Zealand.
 1970 Dunwood, P. A., Royal Botanic Gardens, Kew.
 Durrand, A. M., c/o Town Engineer, P.O. Box 70, Kitwe, North Rhodesia.
 1939 Dusing, G., Sansouci B. G., Potsdam, Germany.
 1968 -Dyall, S. W., 11 Parsonage Way, Cheadle, Cheshire, SK8 2JS.
 1934 *Dyer, R. A., D.Sc., Botanist, Div. of Plant Industry, Pretoria, South Africa.
 1961 -Dyke, D., Flat A, 17 St. Charles Square, London, W.10.
- 1912 Eady, G. H., "Aburi," Clyffe, Dorchester, Dorset.
 1945 *Eady, Miss M. C., 22A St. John's Avenue, Putney, London, S.W.15.
 1946 *Eaton, H. J., N.D.H., Director, Rosewarne Experimental Station, Cornwall.
 1948 -Edwards, D. G., D.F.C., Sundance, Yapton Road, Barnham, Bognor Regis, Sx.
 1947 *Edwards, H. H., 190 Seaview Road, New Plymouth, N.Z.
 1966 Edwards, R. K., 72 Faggs Road, Feltham, Middlesex.
 1951 Egerton, J. A., 6 London Road, Holmes Chapel, Crewe, Cheshire.
 1936 Eickhorst, M., Rangsdorf, c/Berlin, Seebhdallee, Telteus, Germany.
 1955 Ekanayaka, D. T., B.Sc.(Hons.), B.G., Peradeniya, Ceylon.
 1919 *Ellis, Miss C. F. (See Mrs. Somers).
 1934 Elphick, G., Myrtle Cottage, Ide Hill, Sevenoaks, Kent.
 1964 -Elsley, J. E., B.Sc., Anchor Inn, High Street, Ripley, Surrey.
 1927 *Elson, A. S., "Catherine Cottage," 8 Seaview Road, South Hayling, Hants.
 1956 -Elton, T., 6 Alleston Walk, Bushbury, Wolverhampton, Staffs., MV10 8HL.
 1966 -Endall, J., 6 New Road, Sawston, Cambridge.
 1912 *Endres, H. W., 10140 Fieldcrest Lane, Ladve, St. Louis, 24, Missouri, U.S.A.
 1928 England, J. W., S., Parks Dept., Merthyr Tydfil, Wales.
 1932 *English, R. J., 279 Stockingstone Road, Luton, Beds.
 1948 *Eperon, Miss K., N.D.H. (See Mrs. J. Clark).
 -Ercoli, Mario, Via-Girolamo Rossi, 27, Bordighera, Italy.
 1969 -Esmonde, A. J. G., 28 Leeson Park, Dublin 6, Eire.
 1935 *Eul, F. H., N.D.H., P.P.Inst.P.A.(Dip.), P.P.Inst.P.R.A., S., Bourne Cottage, Bourne Road, Bexley, Kent.
- 1962 -Evans, D. T., 13 Sefton Road, Hoole, Chester.
 1938 Evans, H. R., P.O. Box 100, Molo, Kenya.
 1952 -Evans, K., N.D.H., Undergraduate School of Applied Biology, Univ. of Bradford, Great Horton Road, Bradford, 7.
 1945 *Evans, Miss M. J. B. (See Mrs. J. A. Letch).
 1947 Evans, Mrs. I., Pitt Farm, Harberton Ford, Nr. Totnes, South Devon.
 1969 -Evemy, D. G., 4 Browning Avenue, Hanwell, Ealing.
 1927 †*Everett, T. H., M.Sc., N.D.H., New York B.G., Bronx Park, N.C., U.S.A.
 1945 *Everett, W. E., Hort. Instructor, Philanthropic Society School, Redhill, Surrey.
 1928 *Everitt, W., "Kennersley," P.O. Box 2011, Beacon Bay, East London, S. Africa.
 1937 *Ewart, J. W., Myers Road, Otumatai, Tauranga, New Zealand.
- 1932 *Farley, G. C., 5 Harringay Gardens, London, N.8.
 1928 -Farmer, J. E., S., 17 Millstream Gardens, Wannock, Polegate, Sussex.
 1945 *Farmer, Mrs. W. O. (Miss J. M. Thompson), Tunas, Missouri, U.S.A.
 1923 -Farr, B., Oldbury Place Lodge, Ightham, Kent.
 1953 -Farrar, T. H., 39 Fielden Close, Ducklington, Witney, Oxfordshire.
 1967 -Fay, M. E., "Twenty," Market Street, Liangollen, Denbighshire, North Wales.
 1963 -Fellows, K. M., 172 Ayres Road, Old Trafford, Manchester, 15.
 1909 *Feltham, E., No. 3 Flat, The Coombe, Streatley, Reading.

- 1970 Fenwick, E., 54 Haven Avenue, Grimsby, Lincs.
 1929 *Findlay, R. (Capt.), The Ship, Bryn-y-Baal, Mold, Flintshire.
 1939 -Fisher, F. W., Commonwealth War Graves Commission, Northern Region, Place du Marechal Foch, 62-Arras, France.
 1965 Fisher, J. H., N.D.H., Braughton Road, Crosland Moor, Huddersfield.
 1937 Fisher, J. M., S., Hampton Court, East Molesey, Surrey.
 1957 Fleming, J. F., 177 Brigton Road, Derby.
 1915 †*Flippance, F., F.L.S., Lavender Cottage, 17 Paddocks Road, Burpham, Guildford, Surrey.
 1928 *Floto, E. V., Brovaenget 11, 2700 Bronshoj, Denmark.
 1958 Floyer, Miss R. A., now Mrs. R. A. Nicholson, P.O. Box 3, Mbutu, Tanganyika.
 1924 Flynn, G. O., Bede Home, College Grove Road, Wakefield, Yorks.
 1949 -Foat, C. D., Knutsford, Gt. Barton, Bury St. Edmunds, Suffolk.
 1961 Foote, L. A., 85 Roebuck Road, Chessington, Surrey.
 1945 -Ford, F. J. S., 1 Sandown Road, Great Yarmouth, Norfolk.
 1927 *Ford, G. W. J., Box 56, Mendenhall, Penna. 19357, U.S.A.
 1937 *Fordham, A. J., A.S., "Gay Farm," Norwood, Mass., U.S.A.
 1957 -Forster, R. R., 19 Hardwood Grove, St. Catherines, Ontario, Canada.
 1936 *Fossum, M., Truman, 221 East 59th Street, Apt. 5-C, New York, U.S.A.
 1940 Foste, L. J., M.Sc., Agric. Dept., Kuching, Sarawak, Malaysia.
 1946 Fraenkel, Miss E. R. (See Mrs. Gibson).
 1967 Frankland, B. V., N.D.H., West Lodge, Danson Park, Bexleyheath, Kent.
 1926 Franklin, W., 13 Dawson Road, Stoke Green, Coventry, Warwickshire.
 1936 -Freeman, G. W. G., N.D.H., 2 Benton House Cottages, Heath House Road, Worplesdon Hill, Woking, Surrey.
 1926 *Fry, W. G., N.D.H., N.A.A.S., Silver Birches, Catisfield Road, Fareham, Hants.
 1956 Fugard, R. L., c/o Parks Dept., St. George Park, Port Elizabeth, South Africa.
 1918 Fuller, Miss E. (See Mrs. P. Snelling).
 1953 -Fuller, G. M., 25 Victoria Road, New Plymouth, New Zealand.
 1938 Fysh, P., 8 The Goffs, Eastbourne, Sussex.
 1962 -Gabe, M., Upper Lodge, Brackenwood Park, Bebington, Wirral, Cheshire.
 1963 -Gaggini, J. B., N.D.H., L.I.Biol., 18 Oak Tree View, Farnborough Road, Farnham, Surrey.
 1932 Gale, E. W. B., N.D.H., S. of Parks, Poole, Dorset.
 1952 -Galloway, I. D., Director of Parks and Reserves, P.O. Box 2199, Wellington, New Zealand.
 1907 Gammon, F. G., 30 Beechcroft Road, Oxford.
 1961 Ganney, G., N.D.H., Brickendonbury House, Hertford, Herts.
 1959 Gardner, G., 13 Cresswell Road, Twickenham.
 1912 Gardner, G. F., University Gardens, Bristol.
 1913 *Gardner, L. W., Chisholm Warehouse, P.O. Box 48, Fort Jameson, N.E. Rhodesia.
 1953 Garnett, J. B., 38 Princess Street, Woodlands, Doncaster, Yorks.
 1947 -Garwood, T., 188 Campkin Road, North Arbury, Cambs.
 1967 -Gaskin, G. M., 286 La Campana, Nueva Andalveia, Marbella, Spain.
 1949 Gates, F., 12 Rose Hill, St. Blazey, Par, Cornwall.
 1964 Gatrell, Mrs. L. (Miss Tickner), 3 Precinct Road, Hayes, Middlesex.
 1961 -Geddes, A., Mc., Dip. Hort., Landscape Consultant Co., Greys Avenue, Auckland 1, New Zealand.
 1953 -Gibbons, J. E., 56 Warrington Road, Leigh, Lancs.
 1961 -Gibbons, L., 56 Warrington Road, Leigh, Lancs.
 1946 Gibson, Mrs. (Miss E. R. Fraenkel), 2421 25A Street, S.W. Calgary 4, Alberta.
 1967 -Giles, C. J., M.O.P.B.W., Cent. Med. Region, Imriemel, Malta G.C., B.F. P.O.51.
 1960 -Gilkison, D. S., c/o Parks Dept., Civic Centre, Scunthorpe, Lincs.
 1923 Gill, B., Gills Nurseries, Penryn, Cornwall.
 1946 †-Gilmour, J. S. L., M.A., F.L.S., V.M.H., D., University B.G., Cambridge.
 1952 -Gilmour, W. N. G., N.D.H., Deputy Manager, City of Sheffield Parks Dept., Sheffield, S8 9FL.
 1935 -Glasheen, J. L., 123 Upper Woodcote Road, Caversham, Nr. Reading, Berks.
 1950 Glazebrook, A. K., 106 Coldershaw Road, Ealing, W.13.
 1967 Goddard, H. N., Technical Assistant, Eastbourne Parks Dept., Eastbourne, Sussex.

- 1937 *Goldsack, F. G. A., N.D.H., Greystones, Leigh, Sherborne, Dorset.
 1931 Goldsmith, J. E., 12 Cranwick Hall, Lincoln.
 1956 -Goodale, A. E. R., 37 Chessington Road, West Ewell, Surrey.
 1965 -Goodall, Sub.-Lt., J.P., R.N., H.M.S. Triumph, B.F.P.O. (Ships), London.
 1969 -Goodbury, P. A., 3 The Green, Roseheath, Nantwich, Cheshire.
 1964 -Gooding, P. A., Blenheim Cottage, Blenheim Road, Bedford Park, London, W.4.
 1969 -Goodyear, S. A., Parks Dept., City Engineers and Surveyors Office, 7 Southernhay West, Exeter.
 1966 -Gordon, C. E. B., 40 Burdon Terrace, Jesmond, Newcastle-upon-Tyne, 2.
 1932 Gordon, J. D., c/o Elder Park, Glasgow.
 1910 *Gould, A. R., 663 Kingsley, Palo Alto, California, 94303, U.S.A.
 1967 -Graham, G. N., Inst.P.R.A., 31 Shawbury Avenue, Bebington, Wirral, Cheshire, L63 8LR.
 1968 -Graham, Mrs. G. N. (née Miss M. Jones).
 1948 *Grant, E. A., The Lodge, Baylis Park, 45 Woodlands Avenue, Slough, Bucks.
 1928 *Grant, J. G., 77 Tristram Drive, Creech St. Michael, Taunton, Somerset.
 1897 Gray, P. J., Homeville, Ballymin Road, Glasnevin, Dublin.
 1947 Greatrex, T. J., P.O. Box 660, Lusaka, North Rhodesia.
 1925 *Greenway, Dr. P. J., O.B.E., F.L.S., P.O. Box 20209, Nairobi, Kenya, E. Africa.
 1963 -Griffin, M. J., 1 Pinfold Close, Woodingdean, Brighton, Sussex.
 1964 Griffin, Mrs. M. J. (Miss Dennis), ditto.
 1920 *Grout, G., Senegallia, Fort Jameson, N.E. Rhodesia.
 1937 *Groves, G. R., O.B.E., A.H.R.H.S., Dept. of Agric., Paget East, Bermuda.
 1932 Gunn, A. Findlay, 204 Oak Avenue, P.O. Broughton, Ferndale, Randburg, Transvaal, South Africa.
 1961 Gunn, W. A. G., Johannesburg Park Dept., P.O. Box 2824, Johannesburg, Transvaal, South Africa.
 1899 Gutteridge, H. E., Perran Bay Hotel, Perranporth, Cornwall.
 1946 -Hack, H. R. B., Kenana Res. Stn., Abu Na'Ama, Blue Nile Province, Sudan.
 1931 Halik, R., Charles University, Prague, Czechoslovakia.
 1954 -Halhead, J., 2(A) Rosehill Park, West Sutton, Surrey.
 1933 -Hall, H., Rots-van-Riebeeck, Norwich Drive, Bishopscourt, Claremont, C.P., South Africa.
 1955 Hamblett, N., 18 Wastdale Road, Baguley, Wythenshawe, Manchester.
 1952 Hamblin, I. C., c/o Min. of Ag. Res. Inst., Tingeru, P.O. Box 3002, Arusha, Tanganyika.
 1896 Hammarberg, L. M., Gotgatan 111, Stockholm, Sweden.
 1932 Hammarberg, O. M., Gotgatan, 111, Stockholm, Sweden.
 1945 Hammond, Mrs. M., Myrtle Cottage, Castle Street, Porchester, Hants.
 1936 Hampton, Miss N. (See Mrs. Beale).
 1916 *Hansen, C. Bekker, c/o Société du Nadal, Quelimane, Portuguese East Africa.
 1954 Hardie, R. M., Botanic Garden, Adelaide.
 1935 Hardman, R. E., c/o Municipal Parks, Bulawayo, S. Rhodesia.
 1933 -Harper, A. E., S., Westleigh, 10 Pembroke Gardens, Appleton Park, Warrington, Lancs.
 1920 Harper, Miss E. M. (See Mrs. Ash).
 1919 Harper, Miss K. M. (See Mrs. Bintner).
 1964 -Harrington, M. D., Aldon, 55 Park Hill Road, Otford, Sevenoaks, Kent.
 1949 Harrington, P., c/o Parks Office, Lampton Park, Lampton Road, Hounslow, Middlesex.
 1962 -Harrison, R. T., N.D.H., 36 Fallowfield Road, Orchard Hill, Walsall, Staffs.
 1962 Harrison, S. G., B.Sc., Keeper, Dept. of Botany, National Museum of Wales, Cardiff.
 1965 Harris, D. S., co Blackpill Nurseries, Swansea.
 1947 Harris, F. G., 4 Homelands Copse Cottages, Fernhurst, Nr. Haslemere, Surrey.
 1899 *Harris, J. E., N., Blackpill Nurseries, Blackpill, Swansea, Glam.
 1958 -Hart, A., 2 Bicester Road, Richmond, Surrey.
 1966 -Hart, C., N.D.H., Vegetable Res. St., Dept. of Agric., Medina, West Australia.
 1967 Hart, M., c/o Greenwich Parks Dept., Woolwich Town Hall, S.E.27.
 1917 Hart, Miss R. (See Mrs. Jameson).
 1951 Hart, Mrs. V. (Miss V. Hudson), 63 Exmouth Road, South Ruislip, Middlesex.
 1956 -Harvey, T. D., Plovers Hill, Strumpshaw, Norwich, NOR 72Z.
 1946 Haskell, Miss J., The Rectory, Stoke Rochford, Nr. Grantham, Lincs.

- 1923 Hawkins, F., Min. of Agriculture (Research Division), Dar-es-Salaam, Tanganyika.
- 1925 *Hayes, T. R., M.Sc., A.I.T.C.A., c/o Limuru Girls' School, Private Bag, P.O. Limuru, Kenya.
- 1950 -Haywood, P. A., Cert.L.D.(U.C.L.), A.I.L.A., 5 Rowan Park, Quarry Lane, Christleton, Chester.
- 1939 Hazelwood, F. E., 15 Ray Road, Epping, New South Wales, Australia.
- 1968 -Heals, C. J.
- 1942 *Hearn, A., M.B.E., 38 Brakenfield Road, Gosforth, Newcastle-on-Tyne.
- 1968 -Hebb, R. S., 28 Bardwell St. Jamaica Plain, Mass. 02130.
- 1968 -Hebb, Mrs. W. P., ditto.
- 1947 *Hebden, F. J., N.D.H., F.I.P.A.(Dip.), 53 Eastville Terrace, Harrogate, Yorks.
- 1961 -Heine, H. N., Dr. Med., Dr. rer. nat., F.L.S., c/o Laboratoire de Phanérogamie du Museum National d'Histoire Naturelle, 16 rue Buffon, Paris (Ve), France.
- 1964 -Hellewell, J. D., 23 Defford Avenue, High Heath, Pelsall, Walsall, Staffs.
- 1948 *Helm, J. D., "Woodvale," 15 Llandudno Rd., Penrhyn Bay, Llandudno, Caerns.
- 1946 *Helmsing, Miss N. J. (See Mrs. Nelson).
- 1928 Hendon, L. C., Phear Park Lodge, Phear Park, Exmouth, South Devon.
- 1960 -Henshaw, H., Horticulturist, Perth Parks Dept., Perth, W. Australia.
- 1937 *Heppell, J., 19 Westcliff Road, Ruskington, Sleaford, Lincs.
- 1951 Heughes, I. M., Supt. Parks and Allotments Dept., Aldridge Urban District Council, Staffs.
- 1949 Hey, G. E. W., Imperial War Graves Comm., Ypres, Belgium.
- 1968 Heywood, H. G., 10 Westside, Nunthorpe Village, Nr. Middlesbrough, Tees-side.
- 1954 Heyworth, J., 18 Market Place, Ramsbottom, Lancs.
- 1935 Hibbert, J. R., S., The Gardens, Gunnersbury Park, Acton, W.3.
- 1961 -Hickman, N. C., 2 Leighill Nursery, East Carr Road, Saltshouse Road, Hull, Yorkshire.
- 1963 -Higham, J. D., "X" Holding, Roughcote Lane, Cookshill, Caverswall, Stoke-on-Trent.
- 1919 *Higgott, O. A., 108 Secor Road, Scarsdale, New York, U.S.A.
- 1930 Hildyard, H. C., S., 304 Linthorpe Road, Middlesbrough, Yorks.
- 1961 Hill, B., D.I.P.A., 251 Wigton Road, Carlisle, Cumberland.
- 1929 Hillier, Miss C. (See Mrs. Whibley).
- 1948 -Himson, A., Buckland, Tasmania 7271, Australia.
- 1948 *Himson, Mrs. (Miss P. Weston), ditto.
- 1956 -Hind, H., D.I.P.A., "Wadenswil," Barnwill Lane, Cromford, Derbyshire.
- 1968 -Hindmarch, C., Post Grad. S., Newcastle University, Newcastle.
- 1948 -Hingston, J. A., N.D.H., S., 139 Tadcaster Road, York.
- 1949 Hingston, Mrs. (Miss J. Sharps), ditto.
- 1960 -Hitchcock, A. G., c/o Registrar, University of Zambia, P.O. Box 2379, Lusaka, Zambia.
- 1966 Hitchin, P. D. M., 6 West Side, Nunthorpe Village, Middlesbrough.
- 1955 -Hitt, S. D., 209 Whiteway Road, Bath, Somerset.
- 1957 Hitt, Mrs. S. D. (Miss I. K. Bewley), ditto.
- 1925 Hockley, W. A., 19 Beresford Road, Chingford, Essex, E.4.
- 1946 Holcroft, Mrs. N. B. (Miss N. B. Rymer), 84 Woodward Avenue, Brampton, Ontario, Canada.
- 1937 *Hogg, R. D., M.B.E., A.H.R.H.S., Commonwealth War Graves Comm., 32 Grosvenor Gardens, London, S.W.1.
- 1946 -Hollis, D. C., Park House, Buckhold Road, Wandsworth, S.W.18.
- 1930 *Holloway, H. M., P.O. Box 1454, Snr. Dist. S. of Parks, City Council, Pretoria, South Africa.
- 1969 Holloway, M., 4 Nocton Drive, Ermine Estate, Lincoln.
- 1962 -Holmes, D. H., 7 Chase Hill, Geddington, Kettering, Northants.
- 1939 Holt, S., Britannia Nurseries, 34 Peddars Lane, Blackpool, Lancs.
- 1934 *Hoogstad, B. M. E., Silvergeiter, 130 Hart Nibbrigkade, Den Haag, Holland.
- 1936 *Hooper, E. G., Mount Pleasant, Trevu Road, Camborne, Cornwall.
- 1956 Hopkins, Miss A. D. S., N.D.H., 18 Park Road, Radlett, Herts.
- 1926 *Hopkins, A. J., 1 Orchard Close, Bishop Sutton, Bristol, Somerset.
- 1958 -Horsfall, H. R., 15 Pasture Road, Sudbury Court, Wembley.
- 1928 -Horton, D. E., N.A.A.S., 38 Tytton Lane West, Boston, Lincs.

- 1966 -Howard, B. F., Asst. Hort. Adviser, Educ. Dept., County Buildings, Shirehall, Shrewsbury, Salop.
- 1925 *Howell, W., F.L.S., D.I.P.A., 8 Nursery Close, Polegate, Sussex.
- 1966 -Howes, F., D.Sc., I.S.O., 8 Nylands Avenue, Kew Gardens, Surrey.
- 1965 †*Hubbard, C. E., C.B.E., D.Sc., F.L.S., 51 Ormond Crescent, Hampton, Middx.
- 1953 -Hubbard, D., 34 Calbury Crescent, Darlington, Co. Durham.
- 1945 -Hudson, R. A., 30 Oakwood Avenue, Boreham Wood, Elstree, Herts.
- 1951 Hudson, Miss V. (See Mrs. V. Hart).
- 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.
- 1967 -Hutcheson, M., Garden Cottage, Sizergh Castle, Nr. Kendall, Westmorland.
- 1917 *Hutchings, Miss A., 25 St. Leonards Road, Deal, Kent.
- 1948 *Hutchinson, J., LL.D., F.R.S., F.L.S., V.M.H., 12 Kenmore Close, Kent Road, Kew, Surrey.
- 1964 Hyde Trutch, Miss J. A. (See Mrs. Popham).
- 1935 -Hyland, G. A., S., D.Inst.P.A., D. Parks and Cem., 4 Norton Road, Hove 3, Sussex.
- 1952 Iddenden, J., 1318 Beech Street, Picayune, Mississippi, U.S.A.
- 1952 Ibbotson, D., 79 Capstone Road, Bournemouth, Hants.
- 1969 -Iles, C., 44 Harcourt Road, Swindon, Wilts.
- 1912 *Illman, G. F., P.O. Box 24860, Karen/Nairobi, Kenya.
- 1966 -Ince, R., 47 Shay Lane, Crofton, Wakefield, Yorks.
- 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, London, E.C.4.
- 1940 Jackson, Mrs. Clifford M. (Taylor), Ashcroft, Ridgeway 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., Flat No. 2, Queens Park Road, Bolton, Lancs.
- 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.
- 1908 *Jensen, L., Kildetoften, 30 Faaborg, Fyn, 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., Cornwall Tech. College, Treverson, Pool, Redruth, Cornwall.
- 1958 Johnson, R., 37 Park Street, Barrowford, Nr. Nelson, Lancs.
- 1970 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., 9 Frobisher Green, Chelston, Torquay, Devon.
 1966 Jones, J. E. M., c/o 27 Montem Lane, Slough, Bucks.
 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).
 1937 *Joy, C. A., 1 Doyne Road, Branksome, Parkstone, Poole, Dorset.
 1946 -Joy, G. S., Emmetts Lodge, Ide Hill, Sevenoaks, Kent.
 1922 *Joy, Mrs. A. E. C. (Warner), Cleeve Cottage, Brasted, Chart, Nr. Westerham, 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, South Australia.
 1965 -Karani, W. J., Tea Research Institute of E. Africa, P.O. Box 91, Karicho, Kenya.
 1967 -Keevil, A. R., c/o The Grotto, School of Park Admin., Lower Basildon, Nr. Reading, Berks.
 1937 -Keith, R. H., 160 Centre St. West, Richmond Hill, Ontario, Canada.
 1956 -Kemish, G., The North Pavilion, The Playing Fields, Enfield, Middlesex.
 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., 92 Palewell Park, East Sheen, London, S.W.14.
 1964 -Kilby, P., The Flat, Hoblingwell Wood Rec. Ground, Leesons Way, St. Pauls Cray, Kent.
- 1943 King, Miss E. B. (See Mrs. E. B. Brabin-Smith).
 1966 King, E. B., Municipal Council of Mombasa, P.O. Box 440, Mombasa, Kenya.
 1913 Klaaborg, H. J., Gartnerriet Langdallund, Kolding, Denmark.
 1929 †*Knight, F. P., V.M.H., F.L.S., 88 Lower Guildford Road, Knaphill, Surrey.
 1943 *Knight, Miss K. M., Boundary Nurseries, Hillingdon Heath, Middlesex.
 1945 Knowlman, Miss B., Wayside, Wareham, Dorset.
 1936 Koopp, K. (20A) Jeinsen N.R., 42 Unber Elze, Hanover Land, Germany.
 1936 Koning, T. H., 57 Woltersweg, 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. (Tarver), 1064 Unsworth Avenue, Burlington, Ontario.
 1936 Lancaster, A. P., S., Hort. Divn., P.W.D., New Delhi, India.
 1919 Landau, Miss M., Prejazz, 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.
 1969 -Lawrence, J. B.,
 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., 18 Long Lane, Orford, Warrington, Lancs.
 1969 Lee, Miss J.
 1931 *Lee, L. A., Hillside Nurseries, Top of Hillside, Salisbury, S. Rhodesia.
 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.
 1937 *Leith, G. J., Flat 1, The Library, Rose Hill, Hampton, Middlesex.
 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.
 1927 *Lock, J. H., "Meadow View," Broad Layings, Woolton Hill, Newbury, Berks.
 1948 -Lockley, R. E., 20 Heather Close, Thurston, Nr. Bury St. Edmunds, Suffolk.
 1931 Lomas, T., 18 Byron Gardens, Carshalton, Sutton, Surrey.
 1930 Lorensi, O., La Mortola, Ventimiglia, Italy.
 1940 *Lothian, T. R. N., O.B.E., N.D.H.(N.Z.), D., B.G., Adelaide, 5000-Australia, South Australia.
 1948 Lovatt, D. W., 74 Norway Drive, Slough, Bucks.
 1961 -Lowe, B. E., Merrist Wood Farm Inst., Worplesdon, Surrey.
 1961 -Low, J. J. D., 17 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., Fairfax High School, Fairfax Drive, Southend, Essex.
 1966 -Lycett, R., 86 Hall Street, Cambridge, Waikato, New Zealand.
- 1963 -MacArthur, A. D., c/o P.O. Box 2081, Tauranga South, New Zealand.
 1939 MacCartney, F. M., Route 1, Box 587, Turner, Oregon, 97392, U.S.A.
 1951 MacGuffog, D., S., 1A Old Orchard Road, Eastbourne, Sussex.
 1938 *Mackaness, F. G., c/o Portland Gen. Elect. Com., 621 S.W. Alder Street, Portland 5, Oregon.
 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.
 1910 †*Maitland, T. D., M.B.E., A.H.R.H.S., Flat 7, 20 Embankment Gardens, S.W.3.
 1948 Mahon, L. J., 2 Boundary Road, Port Sunlight, Cheshire.
 1930 Mann, J. A., D., Newcastle Parks Dept., Newcastle.
 1969 -Mann, R., 89 Haliburton Road, St. Margarets, East Twickenham, Middlesex.
 1938 Mansell, P. W., "Meliden," Queens Road, Teddington, Middlesex.
 1970 Marchant, C. D., Ph.D.
 1950 Marden, J. A., 250 Ladyshot, Harlow, Essex.
 1961 -Marshall, H. S., M.B.E., F.L.S., 14 Holly Road, Stanway, Colchester, Essex.
 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).
 1933 -Mason, R. H., 62 Horn Lane, Woodford Green, Essex.
 1922 *Mason, R. E., 12 Swail House, Ashley Road, Epsom, Surrey.
 1962 -Matthews, T., F.L.S., F.Inst.P.A.(Dip.), M.Inst.B.C.A., J.P., Council Offices, Blydon-on-Tyne, Co. Durham.
 1943 Maunder, F. G., The Cemetery, St. Peter's Road, Bury, Lancs.
 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., D.I.P.A., The Bridge, Ibbotsons Lane, Sefton Park, Liverpool, 17.
- 1957 -McCracken, J. S., West Lodge, Botanic Gardens, Glasgow, W.2.
 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., 35 Fitzroy Road, New Plymouth, Taranaki, New Zealand.
 1969 -McKarry, B. G., 1 Cambridge Cottages, Kew, Richmond, Surrey.
 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., Bailey's Bay, Hamilton Parish, Bermuda.

- 1928 *McMillan, R. C., M.B.E., A.H.R.H.S., P.P.Inst.P.A., "Weigelia," 22 Grassfield Way, Knutsford, Cheshire.
- 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 -Medcaif, 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, Shropshire.
- 1952 -Mellors, G., 15 St. George Street, Hanover Square, London, W.1.
- 1968 -Melville, R., B.Sc., Ph.D., F.L.S., 121 Mortlake Road, Kew, Richmond, Surrey.
- 1893 Merigeo, Marie, 4 Rue de l'Observatoire, Paris.
- 1957 Messenger, G. W., 11 Mere Close, Great Barton, Bury St. Edmunds, Suffolk.
- 1969 -Metcalf, Dr. C. R., O.B.E., M.A., Ph.D., F.I.Biol., 35 Penford 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.
- 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.
- 1950 Milton, G., Parks Dept., Clacton-on-Sea, Essex.
- 1963 -Mitchell, A. J., Newton Heath, Manchester 10.
- 1966 Mitchell, J., 4 Gladstone Avenue, Mosmon, N.S.W. 2088 Sydney, Australia.
- 1947 -Mitchelmore, 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.
- 1946 -Morrisey, Miss S., B.Sc., 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., Alexandra Park Bot. Gar., P.O. Box 1800, Causeway, Salisbury, Rhodesia.
- 1934 -Mullins, A. T., Gardener's Cottage, Pembroke Lodge, Richmond Park, Richmond, Surrey.
- 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., West Wickham Baths, The Flat, Station Road, West Wickham, Kent.
- 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., 23 Ashton Drive, Hunt Cross, Liverpool.
- 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.
- 1907 *Newell, W., 1825 Regent Street, Madison 5, Wisconsin, U.S.A.
- 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.

- 1969 -Norton, M. R., The Front Lodge, Batsford, Moreton-in-the-Marsh, Glos.
 1969 -Norwood, D. A., 83 Ennerdale Road, Kew Gardens, Richmond, Surrey.
 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, Shrubbery Gardens, Wem, Shropshire.
 1937 Offley, J., 86 The Alders, Heston, Hounslow, Middlesex.
 1952 Offord, K. A., Cornerways, 5 Larchwood Close, Hadley Road, Ipswich.
 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., 7 Sherbourne Close, Cheadle Hulme, Cheadle, Cheshire,
 SK8 7QN.
- 1970 Owen, R. A., Brooksby Agric. Coll., Brooksby, Melton Mowbray, Leics.,
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- 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.
 1947 Parmentier, W. H., 7 New Street, St. Annes, Alderney, C.I.
 1949 *Parsons, C. R., The Holding, Shrimpeny, 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., Training College, Culham College, Nuneham Park,
 Oxford.
 Pattison, G., "Oakmead," 11 Downway Avenue, King's Lynn, Norfolk.
 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.
- 1968 †Pearce, S. A., M.B.E., A.H.R.H.S., F.Inst.P.A., "Rhossili," 62 Springfield Road,
 Rowde, Devizes, Wiltshire.
 1933 *Pearce, W., Pound Farm, Brockmanton, Nr. Leominster, Herefordshire.
 1965 -Pearson, D. J., 7 Knayton Grove, Fairfield, Stockton-on-Tees, Tees-side.
 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., Park House, Lavender Road, Worcester.
 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, N.13.
 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.
 1959 -Porter, A. J., 12 Wisterdale Close, Wistaston, Nr. Crewe, Cheshire.
 1930 *Porter, W., 30 Rockstone Road, Bassett, Southampton.
 1928 *Poulter, C. G. W., 22 Burnside Row, Kirkmichael, Ayrshire.
 1958 -Powell, C. V., 5 Thornhill Road, Surbiton, Surrey.

- 1957 –Powell, M. C., B.Sc., Ph.D., Les Rosier, Doyle Road, St. Peter Port, Guernsey.
 1937 Poy, A. L., 14 Rue des lices, Blois, L. et Ch., France.
 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., Parks Dept., Nairobi City Council, P.O. Box 30075, Nairobi, Kenya.
 1956 Pringle, Mrs. D. (Miss D. M. Newton). Address as above.
 1941 –Prior, W. D. H., 339 Whitton Dene, Isleworth, Middlesex.
 1925 *Pritchard, W. B., 17 Maelgwyn Road, Llandudno, Caernarvonshire, North Wales.
 1957 Prive, A. E., 12 Bis Avenue, Outribon, Vilomomble, Seine, France.
 1937 *Procktor, N. J., H.J., c/o "Amateur Gardening," 2-10 Tavistock Street, Covent Garden, London, W.C.2.
 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 Plymont, E. W., Prospect House, Nottswood Hill, Blaisdon, Glos.
 1906 Race, A., Harewood Nurseries, Darlington, Durham.
 1963 Rahman, F. U., c/o Royal Botanic Gardens, Kew, Surrey.
 1962 –Railey, 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.
 1951 –Rattenbury, H. C. P., 36 Bodiam Road, Ipswich, Suffolk.
 1951 Ravenscroft, A., High Westcliff, Beverley, Pateley Bridge, Nr. Harrogate, Yorks.
 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., c/o Parks and Cem. Dept., Hardy Mitchell Rec. Centre, Broomfield, Smethwick, Warley, Worcestershire.
 1949 Richardson, C. L., D.I.P.A., Deputy Parks Supt., c/o Parks Dept., Cheltenham.
 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. R., N.D.H., D.I.P.A., 1 Harvey Road, Dunstable, Bedfordshire.
 1936 –Robbie, I. R. S., Cemetery Lodge, Castle Road, Wellingborough, Northants.
 1927 *Robbie, J., Riverston House, Ballater, Aberdeenshire, AB3 5QT.
 1968 Roberts, J., 10 Little Lane, Ravensthorpe, Northants.
 1954 –Roberts, M. S. F., 101 Higham Lane, 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., Leicester Parks Dept, Nurseries, Rotherby, Nr. Melton Mowbray, Leicestershire.
 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., Logan Bot. Gdns., Ardwell, Stranraer, Scotland.
 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 Roff, S. B., Ljungbyhed, Sconia, 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.), 69 Manor Road, Richmond, Surrey.
- *Ross-Craig, Miss S. (Mrs. J. R. Sealy), 15 Grosvenor Road, Richmond, Surrey.
- 1934 *Rose, W. A., Colonial Research Inst., Freeport, Grand Bahama, Bahamas.
- 1938 Rottgardt, K. H., Staatliche Botanischer Garten, Hamburg, 36, Germany.
- 1961 Rover, Miss H. (Mrs. Self), 57 Priory Gardens, Highgate, London, N.6.
- 1920 Ruck, E. A., 48 Burns Way, Heston, Middlesex.
- 1930 *Rudd, C. W., A.H.R.H.S., D.I.P.A., 7 Crescent Rise, Wood Green, N.22.
- 1936 Rudge, H. C., Parks Dept., Birmingham.
- 1922 *Rudolf, Miss O. (See Mrs. Davis).
- 1932 *Rumsey, R. H., Nurseryman, Old Northern Road, Glenorie, N.S.W., Australia.
- 1906 *Russell, P. T., Sunbeam House, Long Hanborough, Oxon.
- 1967 -Russell, T. A., Allahabad Agric. Inst., P.O. Agric. Inst., Allahabad V.P., India.
- 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, D., N.D.H., 11 Aldeburgh Way, Springfield, Chelmsford, Essex.
- 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.
- 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.
- Scales, K. W., The Lodge, Belmont Park, Blackboy Road, Exeter, EX4 6SS.
- 1967 -Scarr, E., N.D.H.(S.A.), 12 Hartswood, Crowder Place, Morningside, Durban, South Africa.
- 1968 -Scarr, S., 1 The Cottage, Earlham Park, Earlham Road, Norwich.
- 1958 Sceats, Mrs. (Miss A. D. Dunk), 29 Wilmington Avenue, Chiswick, W.4.
- 1945 Scott, Miss C. (See Mrs. Bundy).
- 1922 *Scott, W. C., 12 Old Bristol Road, Worle, Weston-super-Mare, Somerset.
- 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.
- 1913 *Sharpe, Major H. B., C.B.E., Ndaragwa, Kenya, East Africa.
- 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.
- 1955 -Shepherd, C. E. T., 32 Tenbury Road, Kings Heath, Birmingham, 14.
- 1940 Shepherd, Miss B. N. (See Mrs. Cramer).
- 1968 -Shepherd, I. L. M., 23 Woodnoor Road, Shevington Vale, Nr. Appley Bridge, Lancashire.
- 1953 Shepherd, M. W., 23 Denmark Road, Exeter, Devon.
- Sherk, L. C., 700 Buans Avenue, Etobicoke 653, Port Colborne, Ontario, Canada.
- 1936 Shewan, H. T., Dept. of Horticulture, Asamankere, Gold Coast, West Africa.

- 1969 -Shorey, M. J.,
 1940 *Short, J. G., Curator, Victoria University, Wellington, New Zealand.
 1968 -Shutler, G., 101 Field Place Caravan Park, New Milton, Hants.
 1952 -Sieben, J. R., Supt. of Parks, P.O. Box 49, Queenstown, Cape Province, S. Africa.
 1937 Simmonds, F. L., 10 The Chase, Holland-on-Sea, Essex.
 1937 Simpson, A. J., 244 Custlefield Avenue, Toronto, 12, Ontario, Canada.
 1937 Sinnott, N. H., 5 Kew Gardens Road, Kew, Richmond, Surrey.
 1968 -Skan, Miss M. I., M.B.E., 147 Lichfield Court, Richmond, Surrey.
 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.
 1920 *Smith, E. J., 5 Eden Park, Castlederg, Co. Tyrone, N. Ireland.
 1959 Smith, G. D., 110 Boswell Avenue, Mondeor, Transvaal, South Africa.
 1968 -Smith, G. F., Pukeiti, Rhododendron Trust, R.D. 38, Okato, Taranaki, N.Z.
 1953 -Smith, I. L., B.L.A., Landscape Architect, 117 De Flandre Preville, P.Q., Canada.
 1963 -Smith, J. D. H., Tresco Abbey Gardens, Isles of Scilly, Cornwall.
 1930 *Smith, J., F.Z.S., Braemar, Street End, Canterbury, Kent.
 1933 Smith, James W., S., Public Parks, Cheltenham, Glos.
 1949 Smith, W. S., Red Hall Nursery, Leeds City Parks Dept., Chadwell, Leeds, Yorks.
 1911 *Snowden, J. D., F.L.S., No. 4 Nevill Park, Tunbridge Wells, Kent.
 1964 *Souster, J. E. S., N.D.H., F.L.S., c/o The Old Vicarage, Moultsford, Wallingford, Berkshire.
 1945 *Souster, Mrs. (Miss R. M. Ambrose), 27 Holmlea Road, Goring-on-Thames, Reading.
 1919 *Sparrow, Sqd.Ldr., Retrd., J.W., M.M., 7 Potts House, Great Milton, Oxford.
 1964 Spate, G., 12 Lucknow Road, Willenhall, Staffordshire.
 1944 Speake, Miss M. (See Mrs. Werner).
 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 Sprag, 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.
 1903 *Stayner, Major F. J., Temeraire, Mashaba, Southern Rhodesia.
 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, BR3 2PE, Kent.
 1953 Stone, C., 87 Crescent Road, Toronto, Ontario, Canada.
 1950 -Stone, G. E., Aureol Tob. Coy. Ltd., P.O. Box 569, Freetown, Sierra Leone, West Africa.
 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., The Institute of Agric., Writtle, Nr. Chelmsford, Essex.
 1958 -Strabel, J. F., c/o Parks Dept., 79 Ferens Way, Hull, Yorkshire.
 Strachan, L., 31 Henning Street, Battersea, S.W.11.
 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., D. of Parks, Alexandra Park, Portsmouth, Hants.
 1969 -Styles, P., 31 Lawn Crescent, Kew, Richmond, 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 Sumner, R. J., 43 Churchfields Road, Beckenham, Kent.
 1958 -Sutcliffe, T., Crosse Farm, Cheriton Bishop, Nr. Exeter, Devon.

- 1937 -Swift, H. W., 2330 Euclid Heights, 44106 Boulevard, Cleveland Heights, 6, Ohio, U.S.A.
- 1920 *Syer, F. G., 90 Cromwell Avenue, Cheshunt, Herts.
- 1962 -Taber, D. W., 33 Beaufort Way, Ewell, 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.
- 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 Westenra 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., Botanic Gardens, Gampaha (W.P.), Ceylon.
- 1967 Tennant, J. R., Brookside, Ashtead Woods Road, Ashtead, Surrey.
- 1961 -Thames, B. G., 9 Orchard Grange, Thornbury, Bristol.
- 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, Peeblesshire, Scotland.
- 1946 -Thomas, J., Parks and Reserves Dept., Town Hall, Townsville, N. Queensland.
- 1958 Thomas, R. G., Horticulturist, Canaal Bay Plantation, Virgin Islands Nat. Park, St. John, U.S.V.I.
- 1944 Thompson, Miss E. K. G. (See Mrs. McCulloch).
- 1945 Thompson, Miss J. M. (See Mrs. W. O. Farmer).
- 1948 Thompson, G. D., 147 Beacon Lane, Whipton, Exeter, Devon.
- 1928 Thornicroft, I. V., S., Bot. Gardens, Hobart, Tasmania.
- 1964 Tickner, Miss L. (See Mrs. Gatrell).
- 1968 -Tietze, Miss, 30 Bockhampton Road, Kingston-upon-Thames, Surrey.
- 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, N4.
- 1959 -Tomlinson, M. J., 59 Linden Crescent, Folkestone, Kent.
- 1925 *Toms, K. E., Huyuken, Church Street, Cheddar, Somerset.
- 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., "Heamoor," Avonsleigh, Victoria, Australia.
- 1964 Trewinnard, R., 45 Laburnum Road, Cumbernauld, Glasgow.
- 1946 -Trower, Miss S., Little Crown, Ewhurst, Surrey.
- 1970 Tuck, P. F., Gar. Supt., Homerton College, Cambridge.
- 1912 *Tuck, W. H., N.D.H., Sancroft Manor, Laxfield, Woodbridge, Suffolk.
- 1946 Tucker, Mrs. R. C. (Miss J. Sampson), 2 Seacourt Road, Boxley, Oxford.
- 1949 -Turley, A. G., 23 St. Paul's Close, Hounslow West, Middlesex.
- 1949 -Turley, P. G., 23 St. Paul's Close, Hounslow West, Middlesex.
- 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.
- 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.
- 1957 -Vivian, A., 76 Lower Green Road, Esher, Surrey.
- 1958 Vogt, A., Gartenbau, Zollerstrasse, Erlenbach-Zurich, Switzerland.
- 1966 -Waddell, D., The Courtyard, Younger Botanic Garden, Benmore by Dunoon, Argyllshire.
- 1951 †*Wakefield, Miss E. M., O.B.E., M.A., F.L.S., 28 Castlegate, Richmond, Surrey.
- 1946 -Wakefield, Mrs. E. M. (Miss Moss-Holland), 13/2 Wester Drylam Row, Edinburgh 4.
- 1934 -Walby, A. P. S., Cutteslowe Park, Summertown, Oxford.
- 1902 Waldenburg, N., Alnarps, Tradgardsskola, Nr. Akarp, Sweden.
- 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, Peebleshire.
- 1912 *Wallace, J. C., M.C., Agric. Col., Kirton, Boston, Lincolnshire.
- 1944 -Waller, Mrs. H. (Shallcross), Burnt House Farm, Chartham, Nr. Canterbury, Kent.
- 1968 -Walshaw, D., 6 Parkdale, Park Road, Menston, Ilkley, Yorkshire.
- 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., A.Inst.P.R.A.(Dip.), 19 Cumberland Road, Kew, Richmond, Surrey.
- 1920 Wareham, Miss E. (See Mrs. Finch).
- 1922 Warner, Miss Audrey (See Mrs. Joy).
- 1962 -Warrington, J. F., N.D.H., Royal Botanic Gardens, Kew, Richmond, Surrey.
- 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).
- 1948 -Waumsley, N., Pine Lee, Leicester Road, Quorndon, Loughborough, Leics.
- 1908 *Weber, A., Niedershausen, Oberlahnkries, Germany.
- Webster, A., 269 London Road East, Batheaston, 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., Plumbago, Arnoldton, East London, Cape Province, S. 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., Broadlands House, Staplers Road, Newport, 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.
- 1962 -Whitehill, J. A. E., 2, 3rd Avenue, Genelg East, Helmsdale, Adelaide, South Australia, 5045.

- 1966 -Whiting, Miss M. M., Roxburgh House, Cranbrook, Kent.
Wickens, E. G.,
- 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., Sime Darby, Malaysia Ltd., Sime Darby Estates Div., 54 Ampang Road, Kuala Lumpur, Malaysia.
- 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.
- 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 Wittner, E. S., Aust. Housing Trust Nursery, Elizabeth, South Australia.
- 1938 Wolf, Lucien de, Marché au Fromage, 39 Wemmel, 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., "Mauresque," 83 Windlehurst Rd., High Lane, Stockport, Cheshire.
- 1950 *Wood, P. L. D., N.D.H., c/o Box 189, Salisbury, Southern Rhodesia.
- 1947 -Woodward, A. S., 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.
- 1963 -Wooliams, K. R., Tsuzuki-So, 2-1-2 Maebara, Higashi, Funabashi-Shi, Chiba-Ken, Japan.
- 1967 -Wooton, Mrs. H., 42 Bushwood Road, Kew, Richmond, Surrey.
- 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., 4 Chester Road, Ash, Nr. Aldershot, Surrey.
- 1968 -Yong-Fann-Chin, 475c Penang Road, Penang, Malaysia.
- 1948 Young, P., The Lodge, Cheam Park, Cheam, Surrey.
- 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 *Zaidenberg, D., B.G., Mikveh Israel, P.O. Box 185, Tel-Aviv, 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

1924	*Aikman, Miss M. G.	1949	May, C. J.
1965	Akance, L. A.	1902	*McAllister, W.
	Anderson, J. W.	1907	*MacLaggan, W.
1954	Ashley, R. F.	1927	Maria, E.
1914	Bailey, A. G., M.A.	1942	Melville Towers, Mrs. Lismore (Miss E. Plummer)
1965	Barber, A. V. H.		
1956	Baylis, C. L.	1900	*Mills, G.
1953	Bentham, H.	1958	Morgan, Miss B. M.
1928	Birkentall, J.	1921	Morgan, Mrs. R. (Miss R. Williams)
1951	Brooks, V.	1933	Mould, A.
1943	Brown, J.	1948	North, F. G.
1951	Brown, J.	1960	Pierce, A.
1949	Child, R. F.	1940	Prior, M. C.
1945	*Clarke, P.	1900	Purves, J. M.
1908	*Close, A. W.		Ransom, D. H.
1936	Cross, G. H.		Ransom, D. P.
1959	Crossman, J. H.	1934	Robinson, H. P.
1953	Dally, H. R.	1951	Scott, G. S. G.
1922	*Davis, Mrs. (Miss O. Rudolph)	1910	*Schön, J.
1910	Derwall, F. L. G.	1939	*Sheat, W. G.
1901	Duncan, D.	1939	Sheat, Mrs. (Miss Gwen Rockell)
1920	Finch, Mrs. E. G. (Wareham)	1919	*Simond, R.
1919	*Flack, Mrs.	1953	Smith, I. L.
1942	Flew, Miss M. G.	1934	Spray, J. R.
1934	*Ginkel, C. van	1934	*Stanley, M.
1918	*Halkerston, Mrs. D. (Miss D. Kermode)	1948	Stevenson, Mrs. E.
		1904	*Swan, W.
1923	*Harbourne, B. W.	1948	Templeton, J.
1912	*Harris, C. H.	1928	*Thorns, F. W.
1920	*Hunter, W. G.	1913	*Tindall, H. B. A.
1947	James, K. H.	1918	Trench, Mrs. (Miss P. C. Hulme-Sary)
1917	Jameson, Mrs. (Miss R. Hart)	1916	Trounpe, Mrs. (Miss A. Yencken)
1925	Jensen, A. L. G.	1961	van der Breggan, J. G.
1960	Johnston, M. A.	1938	van Ryneveld, C. C.
1956	Jordan, J.	1948	*Ward, O. J.
1917	*Juil, T.	1919	Ward, W. A.
1949	Lavender, F. R.	1952	Ward, W. B.
1931	*Lee, L. A.	1905	*Weight, G. H.
1898	*Lloyd, H. B.	1968	Wheatley, G. G.
1965	Manger, G. L.	1926	*Williams, C.
1903	Martin, L. G.	1959	Willoughby, B. J.
1934	Martin, L. P.	1963	Wooliams, K. R.
1959	Mason, J. D.	1917	*Yeo, Miss M. L.
1954	Massey, A.		

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 10s.).
- (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.

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.

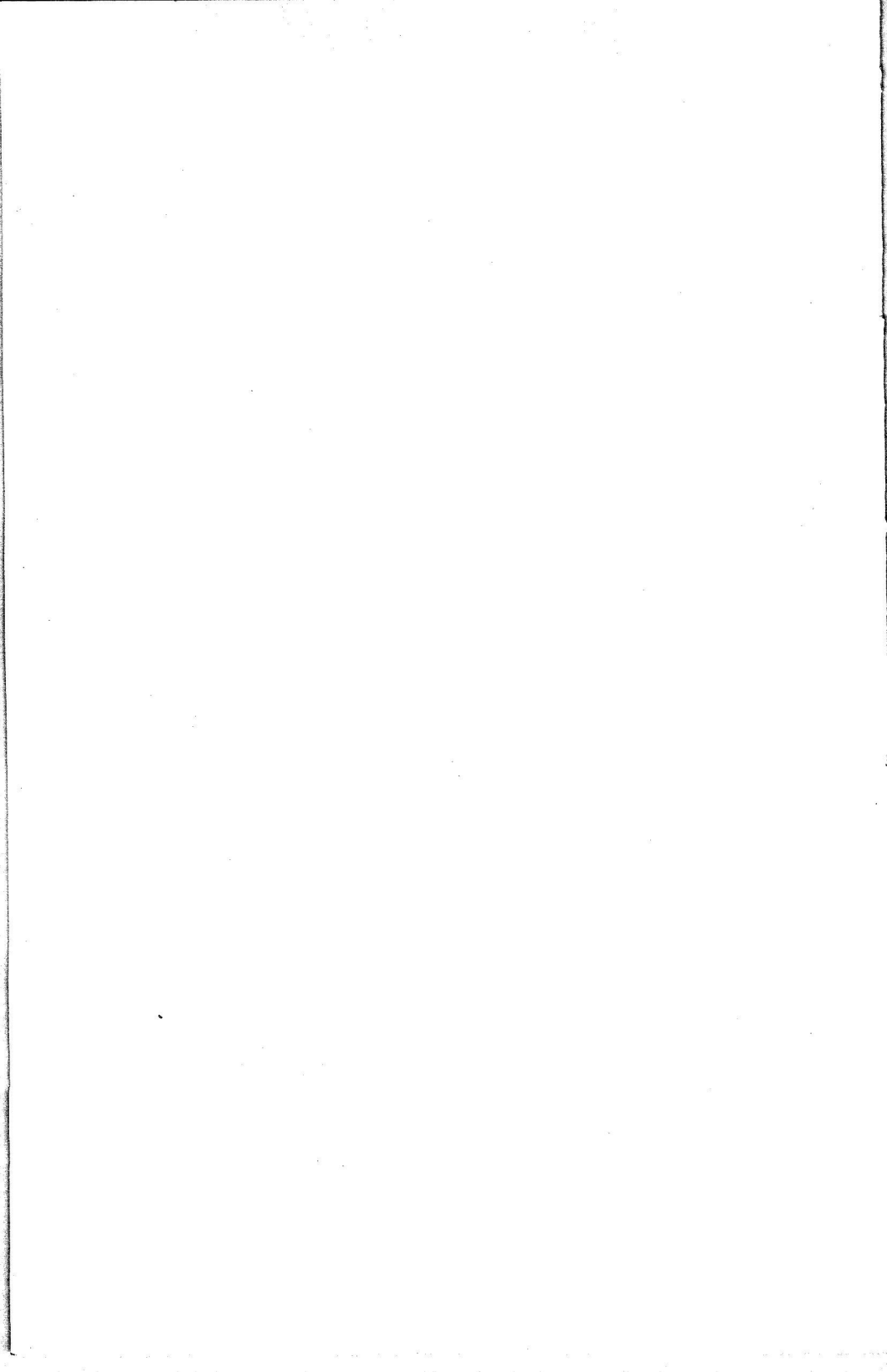
Dissolution of the Guild.

- (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.



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