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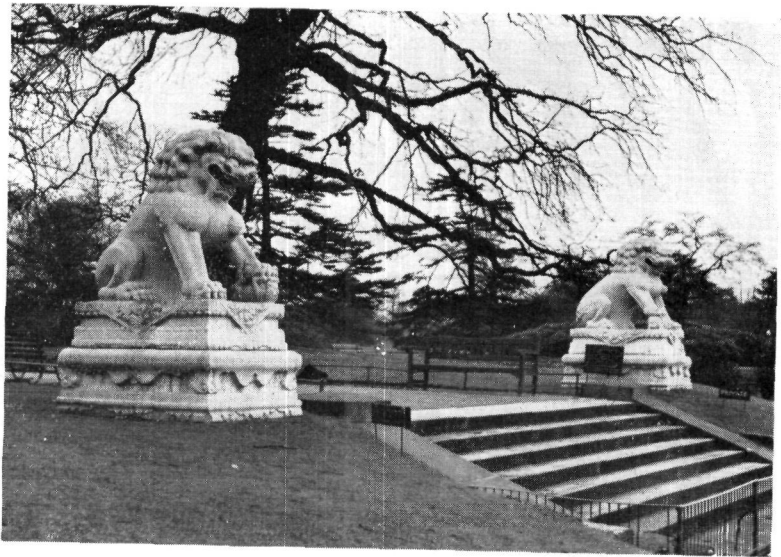
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(Photo G. E. Brown)



(Photo R. R. Zabeau)

#### THE CHINESE KYLONS

*Top*: In front of the stables at Bulstrode Park (their former position).

*Bottom*: At Kew on the south-east side of the Palm House Pond  
(moved to Kew in 1958, *K.G.J.*, 1958, p. 570).

THE  
JOURNAL  
OF THE  
KEW GUILD

FOUNDED—1892

AN ASSOCIATION OF  
MEMBERS OF THE KEW STAFF  
PAST AND PRESENT

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1966

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## THOMAS HENRY EVERETT

President, 1966/67

The gardening career of our President began during the stormy days of the First World War. From 1916 to 1920 he served as apprentice, improver and journeyman on private estates in Lancashire, and then spent two years on commercial nursery work. The next move was to take a position as first journeyman at Cheadle Royal Gardens in Cheshire, where he stayed for more than two years. During the period at Cheadle the gardens were largely reconstructed and greatly expanded under the direction of Allan Falconer. Everett was encouraged to pursue his studies and he passed the R.H.S. Senior Examination. He entered Kew as a student-gardener in February, 1925, and in addition to high passes in all subjects, he was the first to receive the Dümmer Memorial Prize for the best collection of British Flora made during the year. After two and a half years at Kew, Everett was selected to fill the position of Assistant Director of the Botanic Gardens at Victoria, British Cameroons, but instead he journeyed to the United States. After a short stay on the Untermeyer Estate near New York, our President took the post of Head Gardener on the Pleasantville Estate, New York, and while there he built a large rock garden, reputed to be one of the finest in the Eastern States. It was in 1930 that he returned to England especially for the purpose of taking the final examination for the National Diploma of Horticulture.

So in August of 1932 the all important move was made, when Everett was appointed as Horticulturist at the New York Botanical Garden. His work began with the construction of the new Thompson Memorial Rock Garden and the rearrangement of the conservatory planting in a naturalistic layout. The scope of his activity expanded in the Botanical Garden when in 1954 he was made Horticulturist and Curator of Education. In 1959 our President's title changed to Assistant Director (Horticulture) and Senior Curator of Education. In that year too he was awarded the Honorary Degree of Master of Science by Rutgers, The State University of New Jersey. As Senior Curator of Education, Everett has successfully developed a very extensive programme of public education in horticulture, botany and allied subjects both for adults and children.

In addition to the above award, in 1943 our President received the George D. Pratt Medal of Achievement for Professional Gardeners, while in 1946 he was awarded the Thomas Roland Medal for skill in horticulture by the Massachusetts Horticulture Society. In 1959 he was granted the Founders Fund Award by the Garden Club of America which sponsored a three months' tour of horticultural establishments in the British Isles.

Thomas Everett has travelled widely, conducting garden tours twice around the world, twice around South America, and three times through Europe and the British Isles. Also in addition to

*(Continued on page 650)*



THOMAS HENRY EVERETT,

*President, 1966/67*



VICTOR SAMUEL SUMMERHAYES,  
*Vice-President, 1966/68*

## VICTOR SAMUEL SUMMERHAYES

Vice-President, 1966-68

Summerhayes was born in February, 1897, at Street in Somerset. He was educated at Sexey's School, Bruton, Somerset, from which he went to University College, London, in 1914. His studies were broken in February, 1916, when he joined the Special Brigade, Royal Engineer ("Gas Corps"), in which he served in France at the battle of the Somme. He resumed his studies in 1919 and obtained an honours degree in Botany at London University in 1920. He held the post of Quain Student in Biology at University College, London, from late 1920 until 1924, taking part in the first Oxford University Expedition to Spitzbergen in 1921. At this time his speciality was Ecology, on which he published several papers especially on Spitzbergen.

In July, 1924, he became one of three "Stores Botanists" appointed to deal with the accumulations of specimens in the Herbarium at Kew. In 1925 he was appointed to the permanent staff and put in charge of the Australasian section and the Orchids. At first he concentrated mainly on Australian and New Zealand plants, his most important publication being "A Revision of the Australian Species of *Frankenia*" in 1930. Later on his attention became increasingly transferred to the orchids, studying especially the family for the new Flora of West Tropical Africa, the orchid part of which appeared in 1936.

During this period he kept up his interest in ecology in his spare time, becoming in 1938 joint Honorary Treasurer of the British Ecological Society, a post he held for 19 years. In 1965 he was elected an Honorary Member of the Society for his services.

After the second world war he continued actively his work on orchids. From the first he had specialised on African orchids, publishing altogether over 30 papers on these plants, as well as papers on orchids from elsewhere. An important part of this work was the preparation of the second edition of the Flora of West Tropical Africa, and a substantial contribution to the orchid account for the Flora of Tropical East Africa. In 1950 his book *Wild Orchids of Britain* was published in the New Naturalist series. In 1950 he was appointed an O.B.E. for his work on the taxonomy of orchids.

In 1938 Summerhayes became a member of the Orchid Committee of the Royal Horticultural Society, on which committee he has served ever since and also on the Orchid Registration Advisory Committee. He is also a member of the International Orchid Commission. In 1963 he was elected an Honorary Fellow and Gold Medallist of the Malaysian Orchid Society, while in 1964, just after he retired from Kew, he was made an Honorary Fellow of the Royal Horticultural Society for his service on the above committees.

numerous trips to Great Britain he has conducted extensive horticultural explorations in the southern Appalachians and in the Rocky Mountains. Our President has in addition been a prolific writer and author, contributing to many horticultural magazines and papers. Among the many books which he has edited or written are: the fourteen-volume "New Illustrated Encyclopedia of Gardening," *Reader's Digest* "Complete Book of the Garden", "American Gardener's Book of Bulbs", "Gardening Handbook", "How to grow Beautiful House Plants", "Lawns" and "Landscaping Handbook and Flower Garden Guide".

Commenting on these notes H. E. Downer (1912) wrote: "My friendship with T. H. Everett began with a letter he wrote from Kew in 1927 asking my opinion as to what his chance might be should he come to the United States. In a nutshell my advice was, 'come on over and look around.' Today he is one of the best known authorities in the field of Horticultural Education, a noted author and editor of garden books, and most popular as a lecturer and demonstrator. It is a pleasure to pay tribute to the notable part he has played in the advancement of Horticulture in America".

\* \* \*

### KEWITES AS AUTHORS

STELLA ROSS-CRAIG

"Drawings of British Plants" Part XXII. *Scrophulariaceae* (1) (1966) 11s. 6d.; Part XXIII. *Verbenaceae* (1966) 12s. 6d.

S. G. HARRISON

"Handbook of Coniferae and Ginkgoaceae," by W. Dallimore and A. B. Jackson. 4th ed. revised by S. G. Harrison (1966). £8 8s. 0d.

H. K. AIRY SHAW

"Dictionary of Flowering Plants and Ferns," by J. C. Willis. 7th ed. revised by H. K. Airy Shaw (1966). £5.

### THE KEW GUILD ANNUAL DINNER

will be held on

**Tuesday, 23rd May, 1967**

at

THE CHATHAM RESTAURANT, Victoria Station, London, S.W.1  
6.15 p.m. for 7 p.m.

Dress Optional

**An attendance form will be found in this Journal**

### THE ANNUAL GENERAL MEETING AND TEA

will be held on

**Saturday, 16th September, 1967**

At KEW (entrance at Melon Yard Gate)

**MEETING to commence at approximately 2.45 p.m.**

**TEA at approximately 4.15 p.m.**

Notification will be made by post well before the event



## THE ANNUAL GENERAL MEETING, 1966

The Annual General Meeting was held in the Jodrell Lecture Theatre, Royal Botanic Gardens, Kew, on Saturday, 27th August, 1966. The President, Mr. P. W. H. Conn, was in the Chair with the Hon. Editor, Hon. Treasurer, Hon. Secretary and forty-seven other members present. The President opened the meeting by welcoming those present, and expressing his gratitude to the Guild for electing him to the office of President, an honour he greatly appreciated.

After the reading of apologies for absence, the President asked the meeting to stand while the names of Kewites who had died since the last A.G.M. were read.

*The Minutes* of the A.G.M. on August 28th, 1965, which are printed in the *Journal* Vol. VIII, No. LXX, pp. 527-533, 538 (1966), were signed as a true record.

*Arising from the Minutes*, the Secretary said that by an oversight, for which he was responsible and for which he apologised, no mention had been made at the A.G.M. of the splendid work which Mr. Schilling had done for the Guild during the time he was Hon. Treasurer from August, 1961, to January, 1965, and for which all members of the Guild had cause to be grateful. Mr. Schilling had attended a Committee meeting just before leaving for Nepal in January, 1965, and had been warmly thanked by the Committee for all the work he had done, but unfortunately this had not been reported to the A.G.M. and hence there was no record in the *Journal*.

*Report of the Committee.* This was presented by the Honorary Officers, the Treasurer dealing with items (i) to (vii), the Editor with (viii) to (xiii) and the Secretary with the rest.

(i) The accounts for the year ending 31st December, 1965, are printed in the *Journal*, Vol. VIII, No. LXX, pp.534-7 (1966). The accounts show a deficit for the year of £57 19s. 11d. This situation comes about for several reasons, one was the 33% increase of the *Journal* production, another, the reinvestment of Guild Funds which meant a reduction of invested income for that year. Probably the most important factor has been the gradual decrease in the actual value of the 15/- subscription as rising prices have been annually narrowing the balance of accounts.

Despite the fact that General Expenses were less than the previous year, rising costs of printing, etc., still left a deficit.

The C.P. Raffill Prize was an innovation, since the Guild paid for this for the first time, and has agreed to take the prize in perpetuity.

(ii) Accounts for the half-year January 1st to June 30th, 1966. Investment maintained at £2,500 : Amount in Deposit A/c. £350. Amount in Current A/c. £103 16s. 4d. Cash in hand £19 15s. 0d. *Income* £349 5s. 6d. Main items : Subscriptions £231 7s. 10d. ; Investment of Capital £72 13s. 0d. ; Advertisers

£39 14s. 6d. *Expenditure* (excluding returnable expenses with Guild Emblems) £426 17s. 4d. Main items : *Journal* £374 11s. 10d.; *Journal Postage* £18 0s. 0d. ; *General Postage, Typing and Printing* £16 0s. 0d. ; *Benevolent Donations* £10 10s. 0d. EXPENSES EXCEED INCOME BY £77 11s. 10d.

The position is certainly better than at the same time last year and though we have several items of expenditure to come this year we should at least balance our books. The main item of expenditure, the *Journal*, has been reduced in cost this year, without loss in quality thanks to the efforts of Mr. Brown, and this has helped us to obtain a better balance. The prizes will be increased this year but this has been taken into account. There are now over 170 members paying by Bankers Standing Order which is a great asset to the financial position. The deposit account is down this year compared to last year, caused by last year's deficit and of course we have £55 8s. 2d. worth of Christmas Cards and also the Guild Emblems stock is a little high with new purchases amounting for Ties, Scarves, Car and Blazer Badges and Cuff Links, to £72 13s. 0d.

(iii) *Subscriptions*. The current situation is such that if there is no significant rise in the Guild's income to combat gradually increasing prices then we can only expect to be in the red next year. Costs are kept to a minimum, but cannot be pruned back much further. We have a large Life Membership Liability, and of the Kewites away from Kew there are approximately 300 paying members and approximately 300 Life Members. While many Life Members support the Guild actively and financially, it is not a sound position. Also of course there have been less noticeable increases such as the rise in the cost of postage. Sooner or later the subscription will have to be increased and the Committee recommends that it should go up to £1 on 1st January, 1967.

(iv) *Covenanting*. We are ready to circulate members but have delayed on two counts, one is the possible increase in subscriptions, the other is the fact that we may not be eligible for tax return, because members receive what the tax authorities regard as a "substantial benefit" from their subscriptions, namely the *Journal*.

(v) *Sale of Guild Emblems*. During the previous 12 months 35 Ties, 14 Blazer Badges and 3 Car Badges were sold ; the total scarf sale since the introduction last year of the new design amounts to 28 scarves, mostly of course amongst students. The sale of these emblems means in financial terms to the Guild, when sundry incurred expenses are considered, a very marginal profit.

(vi) *Prize Fund*. To date we have received £180, quite an encouraging and generous response, most of the money coming from the older Kewites resident in this country. The overseas response is a little disappointing, we have to raise if possible another £220 in order to secure sufficient investment to cover the prizes.

(vii) *Membership*. The 1965 Address List contains 996 names of Old Kewites. Of these 304 are Life Members, 326 are annual subscribers and 366 are not members of the Guild. It is unfortunate that rather more than a third of all Old Kewites should not belong to the Guild and it is felt that special efforts should be made to recruit as many of them as possible. A letter was sent to all non-members three or four years ago, but many did not reply, and the Committee would be grateful if members who know any of the non-members would encourage them to join the Guild. Of the staff at Kew 2 are life-members and 55 annual subscribers, while of the students 44 are members of the Guild.

(viii) *Journal*. The *Journal* was published during the week ending 22nd April, 1966, and was made up of 122 pages (520-642) against 143 (381-524) last year (1964). It was agreed that the 1964 copy was a little too large. 110-120 pages seems to be the ideal. The cost of the *Journal* was £374 11s. 10d. against the £453 18s. 1d. of the previous year. The number of advertisers is down. There were 21 taking up 13 pages. Last year there were 30 advertisers taking up 22 pages. The only difference in standard was that the photographs were reproduced direct on to the paper used for the paging and not on special paper as on previous years. The results were very good. In addition this enabled the obituary photograph to be set with the actual obituary and this was an improvement. The John Smith article is not only a valuable historical record, but may also be looked upon as substitute for the fact that we were unable to place a memorial plaque in the Church. It is of interest that three national libraries buy copies (2 in America, 1 in Britain); in addition 5 copyright and 2 Ministry of Agriculture, Fisheries and Food are sent free each year. One copy is also sent to the local library at Richmond. An invitation to submit a tender for the printing and production of the *Journal* was sent out to 9 printers including our present one, Messrs. Rowling & Sons of Battersea. The result was that Messrs. Rowlings' estimate was £30 lower than the two nearest and £80-£180 lower than the 5 highest. Among items under consideration for the next year's *Journal* is a memoir of William T. Aiton, the first "Curator" of the Gardens, photographs of the Chinese Lions as they now stand at the side of the pond and in their previous position at Bulstrode Park, and a further instalment of the late Mr. Dallimore's reminiscences.

(ix) *Back numbers of the Journal*. During the year 33 copies of the *Journal* were sold bringing in £9 13s. 11d.

(x) *Collection of Photographs*. 59 photographs were added during the year. We are again indebted to Mr. S. W. Rawlings for looking after the collection and the stock of the *Journal*, and for despatching *Journals* as required.

(xi) *Christmas Cards*. Only one-third of the new cards produced in 1965 were sold, nearly all of them in the early part of the autumn before various other, and larger, charities put their coloured

cards on the market. The Guild cannot possibly compete with these, and it has been decided not to print any more cards for the Guild for the time being. The stock will probably last two years and the situation can be reviewed later. We could reprint one or other of our cards or produce a sample if there is any demand. After discussion, Mr. Joy proposed and Mr. Pemberton seconded a resolution that the Guild should cease to produce Christmas Cards, and this was agreed *nem. con.*

(xii) *Annual Dinner.* This was again held at the Chatham Restaurant, Victoria Station. The President, Mr. P. W. H. Conn, presided and Guests of the Guild were Miss B. Havergal, Professor Broadbent and Mr. J. B. Evison. The attendance, 104 members and guests, was smaller than usual, possibly owing to the price of tickets being raised to 32/-, the increase being due to increased costs. In the event there was a loss of £1 12s. 3d.

(xiii) *Date of the Annual Dinner.* In the days when it was decided that the dinner should be held on the Wednesday of the Chelsea Show, that day was the first day of the Show and the one most convenient for the majority of Guild members. For some years now judging has been done on the Monday and Tuesday has been the first day of the Show. It is suggested that this would be a more convenient day for members, and the Committee recommends that the dinner should in future be on the Tuesday of the Chelsea Show. After a short discussion, Mr. Storey proposed, and Mr. Prockter seconded, a motion that the dinner be held on Tuesday in future; and this was carried by 19 votes to 4.

(xiv) *Staff at Wakehurst Place.* Though technically members of the Kew Staff and under the control of the Director and Curator, the people working at Wakehurst Place are not eligible for membership of the Guild since Rule 3 (a) refers only to people working at Kew. This can be remedied by amending Rule 3 (a), and the Committee is putting forward a resolution that this be done.

(xv) *Date of the Annual General Meeting.* The Institution of Parks Administration often holds its annual conference in the first week of September, and members of the Guild find great difficulty in attending this and the Guild's A.G.M. It has been suggested that the date of the A.G.M. could be changed to avoid difficulty, and the Committee is therefore putting forward to the A.G.M. a proposal to this effect.

(xvi) *Prizes.* As agreed at the last A.G.M., the Matilda Smith Prize has been increased in value to £10 10s. 0d. and awarded to the student adjudged the best practical gardener over the three-year course, and two new prizes, each of £3 3s. 0d., have been instituted for the first time, one for the best kept plot (first-year students), and the other for the best "project" (third-year students). The other prizes provided by the Guild, the Dümmer Prize (£5 5s. 0d.), the Proudlock Prize (£3 3s. 0d.) for collections of British Plants, and the C. P. Raffill Prize (£3 3s. 0d.) for the best paper given to the Mutual Improvement Society.

(xvii) *Prize Day*. As stated in the annual report last year, the Committee decided that the Guild's prizes should be presented at the special prize-giving ceremony which it was intended to hold at Kew at the conclusion of the three-year course and at which the new Kew Diplomas were to be presented to the successful students. This decision was taken because it was felt that it would be illogical, and somewhat invidious, if the prizes provided by the Bentham-Moxon Trust (the Johnson Memorial Prize—and Kingdon-Ward Prize), the Director (the Hooker Prize), and the Mutual Improvement Society were presented at this special ceremony, and the Guild's prizes were given at the annual dinner nine months later. Prize Day being held as soon as possible after the conclusion of the Kew course enables the awards to be made before the students leave Kew. By providing prizes the Guild is fulfilling one of its official aims, and it seems right that prizes which are provided as an encouragement for the Guild members who are studying at Kew should be presented along with the other prizes awarded as the result of the Kew course. Recognition of the part played by the Guild, is made by the official invitations to the ceremony which are sent to the President, Vice-Presidents, Officers and Members of the Committee, and by the general invitation to all Guild Members to attend the meeting. The Diplomas and prizes were presented this year by Sir John Winnifrith, Permanent Secretary of the Ministry of Agriculture, Fisheries and Food.

Commenting on this item, the President said that he and his wife were invited to lunch by the Director to meet Sir John Winnifrith, and that he was on the platform at the ceremony with the Master of the Gardeners' Company. He thought the ceremony was most successful, the speeches by the Director and Sir John were excellent, the exhibition of students work very good indeed. Mr. Rawlings said that there was some dissatisfaction that the President had not been asked to speak, and Mr. Prockter thought that it was a pity that the prizewinners were not introduced by name, and Mr. Barnes said that the arrangements for those receiving diplomas and prizes could have been better. Others, however, saw nothing amiss and thought the afternoon most enjoyable.

(xviii) The following leave the Committee at the expiration of their terms of office: Mr. S. A. Pearce (Past President), Mr. C. Jones (Vice-President), Mr. G. G. Cook, Mr. F. H. Eul and Mr. G. J. E. Yates (Members), while Mr. H. G. Langham is the retiring Auditor. The thanks of the Guild go to all these gentlemen for the work they have done for the Guild.

*Election of Officers, Members of the Committee and Auditor.*

The following, whose names were printed on the Agenda, were elected unanimously: *President*: Mr. T. H. Everett; *President-Elect*: Mr. F. P. Knight; *Vice-President*: Mr. V. S. Summerhayes; *Hon. Editor*: Mr. G. E. Brown; *Hon. Treasurer*: Mr. J. B. Simmons; *Hon. Secretary*: Mr. J. R. Sealy; *Members of the Committee*: Mr. R. G. C. Desmond (Kew), Mr. J. Middleton

(Isleworth), Mr. L. Ronco (Italy), and Mr. C. W. Rudd (Wood Green); *Hon. Auditor* : Mr. F. P. Ryder.

*Increase in Annual Subscription.*

Proposing, on behalf of the Guild Committee, the motion printed on the Agenda "That this meeting agrees that the Annual subscription to the Kew Guild shall be increased from 15/- to £1 on January 1st, 1967", the Hon. Treasurer said that, as stated in the Annual Report, the position was quite simple : the increase in costs coupled with the fact that the interest from our investments was not sufficient to cover the cost of the *Journal* to life subscribers meant that our income was insufficient to meet our expenditure. Costs have been cut to a minimum, and cannot be reduced further. The budget can only be balanced in one of two ways : either we can drastically reduce the size of the *Journal*, or the subscription can be increased. The Committee recommends the latter. All who spoke agreed that the *Journal* must not be allowed to fall from its present size and style and that an increase in the subscription was, in present day conditions, reasonable. On being put to the vote, the motion was carried unanimously.

*Alterations to the Rules.*

The Secretary moved the two motions on the agenda on behalf of the Committee. The first, he pointed out, was a mere technicality, to allow the appropriate members on the staff at Wakehurst Place to join the Guild, and the motion to delete the first paragraph of Rule 3(a) and replace by

"Membership of the Guild shall be open to past and present Curators, Assistant Curators, Foremen-Gardeners, and Student Gardeners, who have been or are employed at the Royal Botanic Gardens, Kew, or at Wakehurst Place, Ardingly, Sussex, and to Voluntary Student Gardeners (provided that they have worked at the Gardens for at least one year), and to past and present members of the Scientific, Professional and Executive staff at Kew and Wakehurst."

was carried unanimously without discussion.

The Second motion to amend the first sentence of Rule 11 to read

"The Annual General Meeting shall be held at Kew on either the second or third Saturday in September".

was, the Secretary said, more controversial, and was put forward for two reasons : first to avoid the Bank holiday weekend, second to avoid clashing with the conference of the Institute of Parks Administration. Members of the Institute had pointed out that the A.G.M. often coincided with the Institute's conference and it was suggested that a later date would be preferable. Several members said that travelling by road had been difficult, and it was generally agreed that it would be wise to avoid the Bank Holiday weekend in future. On being put to the vote, the motion was carried *nem. con.*

*Any other business.*

Mr. Pemberton said that the meeting could not be allowed to end without a vote of thanks to the President, not only for the able way he had conducted the meeting, but for the work he had done during his year of office. He (Mr. Pemberton) had known the President personally only since being on the Guild Committee with him, but he had soon come to appreciate the reputation for ability which had gained for Mr. Conn the high place which he held among horticulturists. It was a great pleasure to propose a hearty vote of thanks to the President. The vote was carried with great acclamation. The President expressed his thanks and again said how greatly he appreciated the honour of holding office. He then declared the meeting closed.

J. ROBERT SEALY, *Hon. Secretary.*

\* \* \*

The Arboricultural Association has published its first News Letter, the Editor of this being D. V. Wells (1936). Mr. Wells is also Chairman of the Association. The Treasurer is Mrs. Wells. Four *Journals* have also been published, the Editor being A. P. Dunball (1953). N. J. Prockter (1937) is Vice-Chairman. H. Taylor (1933), G. S. Joy (1946), W. E. Storey (1952) and S. A. Pearce (Kew), are also on the Committee, the latter taking a special interest in training. G. E. Brown (Kew) is a Co-opted member on the Committee. In addition a General Purpose Sub-Committee has been formed and among the members are Wells and Brown (already mentioned), and B. Moran (1930). The President of this Association is Mr. A. Skeffington, M.P., while the Vice-Presidents are The Rt. Hon. Duncan Sandys, M.P., and Lord Kennet. All Kewites are tree lovers and many will be interested in becoming members. The address of the Secretary is: Mr. D. R. Honour, 38 Blythwood Gardens, Stansted, Essex. Trees will become more and more important in the future, a point which should be remembered by the younger Kewites in particular.

\* \* \*

In Kew Gardens there once grew a *Jatropha urens*, one of the most dangerous killers known to botanists. This plant hates humanity, and it has the power to sting and then to inject into the wound a deadly poison—extract from article "Do plants think?", The *MAHA* magazine, Singapore, December, 1963/March, 1964, Vol. 21 (1) pp. 28-29. (Thanks for bringing this to our notice, Mr. Russell—to our knowledge this plant has never appeared in plant identifications!).

## THE PROUDLOCK TENNIS COMPETITIONS

are held annually

### CUPS FOR LADIES' AND GENTLEMEN'S SINGLES

Only members of the Kew Guild and their families are entitled to compete

Entries must be made to the Hon. Secretary by 1st June, 1967

## GENERAL INCOME AND EXPENDITURE ACCOUNT

Dr.												
Year 1965			Year 1966									
£	s.	d.	£	s.	d.	£	s.	d.				
			3	9	5	To Hon. Secretary's Expenses	...	1	19	2		
			12	9	9	To Hon. Editor's Expenses	...	12	0	8½		
			3	12	1	To Hon. Treasurer's Expenses	...	8	19	7		
			32	11	9	General Printing and Stationery	...	7	14	1		
			8	0	0	To Typing and Clerical Expenses	...	16	12	0		
			0	15	0	To Engrave Proudlock Cup(s) and Insurance	...	1	1	0		
			0	8	6	To Official Dinner Photograph, 1965	...	---	---	---		
			3	3	0	To Wreath for Old Kewite	...	---	---	---		
						<i>To Kew Guild Journal—</i>						
453	18	1				Printing 1965 Journal (including Blocks)	371	9	4			
5	10	6				Envelopes for Journal	---	---	---			
20	18	0½				Postage on Journal	18	0	9			
---	---	---				Uganda Argus Photograph	0	10	0			
480	6	7½					390	0	1			
105	2	8				Less Receipts from Advertisers	70	17	6			
			375	3	11½					319	2	7
			10	12	0	<i>To Annual General Meeting—</i>						
						Printing, Postage, Envelopes	...	8	19	10		
						<i>To Secretary's Circular Letter—</i>						
			---	---	---	Printing, Postage, Envelopes	...	12	7	0		
						<i>To Kew Guild Dinner—</i>						
172	9	6½				Cost of Dinner, Gratuities, Printing, Fees, etc.	162	4	3			
169	10	0				Less Receipts	160	0	0			
			2	19	6½					1	12	3
			---	---	---	Benevolent Payments	...	10	10	0		
						<i>Prizes Awarded by the Guild, 1966—</i>						
3	3	0				C. P. Raffill (Manual) ; C. Wood	3	3	0			
5	5	0				Dümmer (Bot. Club) ; J. O'Connor	5	5	0			
3	3	0				Proudlock (Bot. Club) ; B. Howard	3	3	0			
5	5	0				Matilda Smith (Pract. Best) ; B. Howard and P. Wilson	10	10	0			
---	---	---				Best Plot: P. Wilson	3	3	0			
---	---	---				Best Thesis: E. Edwards	3	3	0			
			16	16	0			28	7	0		
			2	2	0	Bank Expenses	...	0	5	0		
			472	3	2			428	19	8½		
			---	---	---	Income exceeds Expenditure	...	275	4	10½		
			472	3	2			704	4	7		
			2,816	1	2½	Balance as per Balance Sheet	...	3,286	18	9		

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 £2,816 1 2½

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 £3,286 18 9



## FOR THE YEAR ENDED 31st DECEMBER, 1966

Year 1965				Cr. Year 1966		
£	s.	d.		£	s.	d.
	291	10 10	By Annual Subscription and Arrears ...		322	10 10
	17	7 0	By Additional Life Subscriptions and Donations ... ..		221	19 11
	0	3 6	By Sale of Colour Print ... ..		—	—
			<i>By Dividends—</i>			
			From Charities Official Investment Fund—			
			Quarter ended 4th January, 1966 ...	34	8	3
			Quarter ended 5th April, 1966 ...	38	4	9
36	1	1	Quarter ended 5th July, 1966 ...	34	8	3
29	9	11	Quarter ended 4th October, 1966 ...	30	0	10
	65	11 0			137	2 1
	2	19 6	From Jubilee Fund (up to March, 1965)		—	—
			<i>By Interest—</i>			
	14	17 1	From Deposit Account at Barclays Bank		18	9 2
	18	3 4	From P.O.S.B. A/c. (up to March, 1965)		—	—
			<i>By Guild Emblem Sales—</i>			
	1	9 0	Receipts less Expenditure (inc. Postage, etc.) ... ..		4	2 7
			<i>By Guild Annual Tea—</i>			
18	18	0	Receipts on 83 Teas at 4/6 per head...	18	13	6
16	16	0	Less Expenditure ... ..	18	13	6
	2	2 0			—	—
	414	3 3			704	4 7
	57	19 11	Expenditure exceeds Income ... ..		—	—

	<u>472</u>	<u>3 2</u>			<u>704</u>	<u>4 7</u>
2,866	11	1½	Balance at 1st January, 1966 ... ..	2,816	1	2½
	7	10 0	Reduction of Life Subscription Liabilities by Death of Members ... ..	4	13	0
2,874	1	1½		2,820	14	2½
	57	19 11	Less Excess of Expenditure over Income	—	—	—
	—	—	Add Excess of Income over Expenditure	275	4	10½
	2,816	1 2½			3,095	19 1
			Donations to Prize Fund ... ..		190	19 2
	<u>£2,816</u>	<u>1 2½</u>			<u>£3,286</u>	<u>18 9</u>

**THE KEW GUILD BALANCE SHEET**  
**FOR THE YEAR ENDED 31st DECEMBER, 1966**

099

ASSETS				LIABILITIES			
Year 1965		Year 1966		Year 1965		Year 1966	
£	s. d.	£	s. d.	£	s. d.	£	s. d.
<b>CAPITAL FUND—</b>				<b>INVESTED ASSETS—</b>			
2,816	1 2½	As per attached Statement of Assets		3,286	18 9		
<b>CURRENT LIABILITIES—</b>				<b>CURRENT ASSETS—</b>			
<b>Life Subscribers—</b>				<i>Stock of—</i>			
47	10 0	92	at £1 half rate ... .. 46 0 0	55	8 2	Charities Official Investment Fund	
96	0 0	96	at £2 half rate ... .. 96 0 0	2,500	0 0	(2,622 Shares at cost) ... ..	2,500 0 0
129	0 0	80	at £3 3s. 0d. half rate ... 126 0 0	28	10 6	<b>CURRENT ASSETS—</b>	
42	0 0	8	at £5 5s. 0d. half rate ... 42 0 0	83	18 8	<i>Stock of—</i>	
314	13 0	310	0 0	314	17 1	Christmas Cards (Purchase value)	41 14 4
				107	11 10	Guild Emblems (Purchase value)	109 12 4
				422	8 11	151	6 8
				15	18 0½	<i>Cash at Barclays Bank—</i>	
				108	8 7	On Deposit ... ..	618 9 2
<u>£3,130</u>	<u>14 2½</u>	<u>£3,596</u>	<u>18 9</u>	422	8 11	In Current Account ... ..	218 5 7½
				11	17 0½	836	14 9½
				108	8 7	Cash in hand ... ..	11 17 2½
				£3,130	14 2½	Nominal Valuation of Journals in	
				£3,596	18 9	stock ... ..	97 0 1
				<u>£3,130</u>	<u>14 2½</u>	£3,596	18 9

Audited and found correct

R. I. BEYER and F. P. RYDER, *Hon. Auditors.*

## TREASURER'S NOTES

Those who have seen the accounts for the two preceding years will realise that expenditure was exceeding income by increasing amounts. Consequently we trimmed back expenses, particularly with the *Journal*, and as well as raising the subscription for 1967. We made two appeals, one was for the Prize Fund, and the other was to Life Members.

The response to these appeals was very encouraging, the Prize Fund produced £190 19s. 8d. This is only just short of the amount required to pay for the additional prizes by invested income. The Life Members also responded generously (14 now pay on annual Bankers Order) and £221 19s. 11d. was received by donation. A good proportion of this came from our President, Mr. T. Everett, who very generously donated a cheque for £100. That the Guild can mean so much to its members is very heartening to all the Honorary Officers.

This year has seen full benefit from reinvestment of funds. With all previous investments now held by the Charities Official Investment Fund and the P.O.S.B. money held instead in a Deposit account with Barclays, we have increased the annual yield by £50 which is an increase of 50%.

All in all, thanks to the generosity of the Guild's members, its financial position is very strong, and able to meet the future.

J. B. SIMMONS, *Hon. Treasurer.*

## STILL ONLY 3d. ?

There are two Worlds for me,  
Tall gates divide the two.  
The World from which I flee,  
And that sweet World of Kew.  
'Click-click' the turnstiles spin,  
I reach my Sanctuary.  
For threepence I am in !,  
Then Peace envelops me.  
To think that I can buy  
For such a small amount  
Such joys to please my eye,  
Too numerous to count.  
So let the pay freeze thaw,  
And let the wages rise,  
For I would pay far more  
To see where beauty lies.

But say they raised the fee  
Far more than I supposed ?  
It would be wise for me  
To keep my big mouth closed !

A. W. EVERETT,

*Night Watchman—Herbarium.*

THE ASSOCIATION OF KEW GARDENERS IN AMERICA  
Fiftieth Anniversary

The annual dinner of the Association of Kew Gardeners in America was held on August 14th, 1966, at the University of Maryland in conjunction with the International Horticultural Congress, which drew some 6,000 delegates from all over the world. Kewites present were J. B. Gaggini (1963), M. Dodge (1964), S. A. Carson (1963) and Mrs. Carson, P. A. Nutt (1948), J. S. L. Gilmour (1946), H. D. Tindall (1946), L. Laking (1941), A. Buckley (1938) and Mrs. Buckley, R. Groves (1937), A. Fordham (1937), H. W. Swift, President (1937), F. P. Knight (1929), H. Downer, Vice-President (1912) and Mrs. Downer, George Pring (1906) and Mrs. Pring. Representing Edinburgh Botanical Gardens were W. Campbell (1924-1928) and Mrs. Campbell and E. J. Anderson (Wisley 1926-1928, Edinburgh 1928-1933). Other guests were Henry Ackerson of Washington, D.C., and David Coleman of Mt. Ranier, Maryland.

Remarks by those present were not only most interesting, but gave us a broad cross-section of horticultural activity. M. Dodge spoke of his work with filmy ferns at Kew, orchids at the New York Botanical Garden and his present work at Wintertur, Delaware, where he is Assistant Director. He suggested emphatically that Wisley men be invited to join us. As I have since received an up-to-date list of Wisley men from P. A. Nutt, they will most certainly receive an invitation to our 1967 meeting.

J. B. Gaggini gave a most amusing account of his visits to many nurseries in the eastern United States—and later, in Cleveland, a much more detailed account of visits to nurseries west to California, Oregon, British Columbia and back, which would leave one breathless. S. A. Carson spoke about his activities as General Superintendent, Department of Parks and Recreation, City of Toronto, where he says one can see more horticulture than in any other place in America and also one of the best recreational departments. A. Buckley told us about his department of Ornamental Plant Research in Ottawa and the work he carried out in its test gardens. P. A. Nutt remarked about many interesting things going on at that wonderful place, Longwood Gardens at Kennett Square, Pennsylvania and L. Laking described the 400-acre arboretum being developed at the Royal Botanic Garden, Hamilton, Ontario, where he is Director. He made Expo 67, the World's Fair in Montreal sound most exciting. G. R. Groves had much of interest to tell of the years since he left Kew—including his work in British Guiana and Bermuda, where he is now with the Department of Agriculture. His description of Bermuda as being about the size of the Isle of Wight and likening it to a strip of Cornish coast was just what we might have expected—but the shortage of water and Bermuda-produced foods for men and animals came as a surprise to many of us. Gordon has gone far, and having an opportunity to reminisce about our days at Kew together was a great

treat after thirty years. A. Fordham is doing some very vital work in propagation at the Arnold Arboretum in Jamaica Plain, Massachusetts (see awards), and again reminiscing was in order, because we shared the same digs at Kew. Of course I had to talk about our magnificent new garden centre in Cleveland where I am Assistant Director, and of the group the Association is to hold together. Just check your *Kew Guild Journal* and atlas.

H. Downer spoke about the founding of the Association of Kew Gardeners in America in the spring of 1916, about the days at Kew and his series of travel tours these last few years. Retirement means a fuller schedule than ever. G. Pring mentioned his Kew salary of 21 shillings a week and a half crown for Sunday afternoon duty, and mentioned the 100th Anniversary of the Missouri Botanical Garden where he was Superintendent for over 40 years. He and Mrs. Pring would give anyone fresh inspiration.

We always wish that more Edinburgh men could join us, but there is always plenty of spirit—evident this year in hearing from W. Campbell who is in the Department of Horticulture at Smith College, Northampton, Massachusetts. Mrs. Campbell didn't say all we wish she had. E. J. Anderson had stimulating comment to make about both Wisley and Edinburgh—a very rich and continuing horticultural experience.

It was a special treat for all of us to welcome two illustrious gentlemen from England—both attending their first meeting of the Association: F. P. Knight, Director of the Royal Horticultural Society's Gardens at Wisley, and J. S. L. Gilmour, Director of the University of Cambridge Botanic Garden. Among many other things which were both amusing and enlightening, we enjoyed some good sparring on those British sports events.

H. Anderson, being adept at shorthand, could have easily written a verbatim report of this meeting, but was only requested to take some pictures. We could have had ten pages for the *Journal*.

Our 1967 annual meeting will be in Cleveland, Ohio, in September, where, incidentally, it will be convenient to attend meetings of the American Horticultural Congress. Your Honourable Editor will have more detailed information later, and we enthusiastically invite any Kew, Edinburgh or Wisley men to join us.

HOWARD W. SWIFT.

All will agree with the remark in the covering letter, "A very wonderful meeting".

## BACK NUMBERS OF "KEW GUILD JOURNAL"

These are available at the following rates:—

1893—1950	...	...	2/6 each
1951—1961	...	...	7/6 each
1963—1965	...	...	7/6 each

(1962 copies at present sold out)

Enquiries should be made to—

Mr. S. W. Rawlings, Kew Guild Records Officer

## ANNUAL DINNER, 1966

This event was held at the Chatham Restaurant, Victoria Station, on Wednesday, 25th May. There were 104 members and guests present, including the President for 1965/66, P. W. H. Conn. With the Toast Master, E. W. Macdonald, the gathering sat down to an excellent meal. The menu was : Cream of Asparagus Soup ; Gorjennete of Sole, Tartare Sauce ; Spring Chicken, Bread Sauce, Roast Potatoes, Garden Peas ; Gateau Grand Duc ; Coffee.

After The Queen, the toast to the President was proposed by P. F. McCormack (1936). Having worked closely with Mr. Conn at Liverpool over the last 18 years he was able to speak of his work with authority. The President responded with a speech which included his views on training and the Prize Fund. He then proposed the toast to the Kew Guild.

The proposal for the Guests was made after a lively speech by A. P. Paterson (1958). The Guests were : Professor L. Broadbent, Miss B. Havergal and Mr. J. R. B. Evison. The response was made by Miss B. Havergal who gave an account of the part lady gardeners have played at Kew and in horticulture generally.

The speeches were short, leaving time for reunions with the inevitable accounts of the present and the past. Members and guests left reluctantly, after a very enjoyable evening, once more to practise horticulture using standard Kew methods.

## SOCIAL SECTION

This has been a rewarding year despite one or two setbacks. The plans for a beach barbecue which was to take place during the last two weeks of August, were dropped almost at the last minute owing to the lack of support. Our plans for a rag day in the early part of the year and a rag ball during early August also fell through, as the police would not give permission.

The October dance, organised for the benefit of the new intake of students was a great success for there was an attendance of 250. The change from a full evening of pop music to jazz was greatly appreciated.

The Christmas cabaret and dance was held at the "Arosa Rooms", Richmond Ice Rink. Again this took the form of an interdepartmental competition. The 1st Prize, a bottle of whisky was won by the Arboretum Dept., for their cleverly arranged and well acted sequence based on the "bunnies". The 2nd prize went to the Jodrell laboratory for a chromosome act while the Tropical Dept. were 3rd with their gene act. The Decorative Dept. acted a very amusing interview board sequence.

Our thanks are due to all those who have supported these functions.

H. G. HEYWOOD, *Hon. Secretary.*

## SPORTS AND SOCIAL CLUB

This will be the last report to appear in the *Journal*, for at a very poorly attended, but nevertheless lively Annual General Meeting in September, it was decided to discontinue the club and to form a new organisation under the Students' Union. Both the Students' Union and the Sports and Social Club were suffering from a lack of support, and difficulties were experienced in getting quorums at meetings. By amalgamating it is hoped that attendance and support at the various functions will improve. The constitution was formulated by the two committees and provided that it stands in its present form, it will make very little difference. The amalgamation was made for the benefit of both organisations and thus it is up to everyone to support the Students' Union, and to see that it functions properly.

The year 1966 has not been outstanding for performance in the field, the one exception being our victorious Athletics Section. Cricket in particular, suffered very badly from lack of support. One problem which has arisen is that of transport, for complete reliance cannot be placed on private cars. This is a problem for the Students' Union to look into. Kew retained the "Tankard" when we beat Wisley by 12 seconds in the Annual Beer Drinking Contest. Many were left aghast at the rapidity at which the beer was consumed by some of the Kew team. The Club must thank all those who have worked so hard during its long existence and hope that people will be willing to support the Students' Union in the years to come.

E. SCARR, *Hon. General Secretary.*

## THE MUSIC CIRCLE

The Music Circle has continued to flourish over the year and our meetings have attracted up to 18 members, the average attendance being between 10 and 15 people. Our meetings have concentrated on the works of Beethoven, Sibelius, Mendelssohn and Handel, together with some "English" styled works by Elgar and Vaughan Williams. We have also played several items requested by our "regulars".

Once again this year we have been carol singing around Kew, in aid of Dr. Barnardo's Homes. We called upon Sir George Taylor and Mr. Shaw, before wending our way towards the Metcalfe's home, where we had some much needed refreshments. This year we had our largest band of singers for many years, there being 45 in number. We raised the appreciable sum of £16 2s. 6d.

We would like to take this opportunity of warmly thanking Dr. and Mrs. Metcalfe for their hospitality shown to us during the past year, and we hope that it may long continue.

Miss J. NAU, *Hon. Secretary.*

## STUDENTS' UNION REPORT

The Union has continued to maintain a progressive outlook and this has resulted in a year of great activity. Satisfactory progress has been made in the many aspects of our work. Acting as the official negotiating body we have been in contact with the authorities over various student grievances. Though the results of these negotiations have not always been successful they have contributed toward a better understanding.

With many students anxious to gain horticultural experience abroad, the Union has started an overseas exchange scheme. Thus four students attended a French Government subsidized course in France, and another spent one month in the Botanic Gardens in Iceland. During the summer, members were actively engaged in several projects—e.g. the production of the Students' Magazine, *Triangle*, the operation of the first cricket draw and the arrangement of the lectures series during the summer months.

During 1966 Mr. R. Shaw was appointed as Curator. To welcome Mr. and Mrs. Shaw the Union organised a sherry party in the Jodrell Common Room. This was a great success with staff and students in attendance.

We have also pursued the idea of merging the Sports and Social Club with the Students' Union. During recent months the respective committees have solved the various problems associated with the merger. On 10th October, 1966, the amalgamation took place in accordance with the wishes expressed by members of both organisations.

It is of course sad that the Sports and Social Club now ceases to exist but the main reason was that over recent years vast changes have been made to the Kew Course. As a result of a requirement for a higher academic standard there has been a decline in participation of the various social activities. Thus we have found it necessary to streamline our activities. The need for an organisation to cater for the needs of both staff and students has been recognised.

To conclude, our thanks are due to the retiring members of the Executive Committee for their devotion and loyalty and we wish the new organisation every success for the future.

B. A. NASH, *Chairman, Students Union, 1965/66.*

## GUILD EMBLEMS

The following are available from Mr. R. I. Beyer :—

<b>Kew Guild Ties</b> (Navy Blue Terylene) ... ..	17/- each
<b>Kew Guild Blazer Badges</b> (Hand-made, Gold Wire) ...	53/6 each
<i>Please state whether Navy Blue or Black background is required when ordering</i>	
<b>Kew Guild Car Badges</b> (Grill fitting, chromium plated)	37/6 each
<b>Kew Guild Cuff Links</b> (Gold cased, white enamel background)	53/6 pair
<b>Kew Guild Scarves</b> (6 ft.) ... ..	35/6 each
<b>Kew Guild Scarves</b> (5 ft.) ... ..	30/6 each
(Navy Blue background colour)	

All prices are inclusive of packing and postage

All cheques, P.O.'s, etc., should be made payable to the Kew Guild



## PHOTOGRAPHIC CLUB

The main event was the slide competition, and despite a reduced number of entries there was an improvement in quality, especially in the Students' section. Enthusiasm for the competition has increased, a fact which was evident by the numbers who attended the review of the entries. This proved to be a pleasant and instructive evening.

The results of the competition were as follows :—

### *Plant Portrait. Students.*

- 1st *Kniphofia uvaria grandiflora*—S. W. Dyall.
- 2nd *Dodecatheon salinum*—C. Jones.
- 3rd *Rhodostachys andina*—A. Smith.

### *Plant Portraits. Staff.*

- 1st *Campanula raineri* } D. G. Armerson.
- 2nd *Nymphaea zanzibariensis* }
- 3rd *Mutisia deccurens*—M. Hutcheson.

### *General Section.*

- 1st "Feeding Time"—I. Shephard.
- 2nd "Give us a push, mate"—M. J. Shorey.
- 3rd "Isles of Scilly"—R. A. Pitt.

We thank Messrs. S. Rawlings and F. Ballard for judging the slides and for making the evening such a great success.

The section is now amalgamated with the Students' Union. This has resulted in an increase in our social activities and thus there is a greater need for a photographer to record these events.

Our thanks also go to F. C. Yong for his splendid work in selling films and photographic material. Despite the nation-wide reduction in prices the discount continued for club members. The profit from these sales covered the cost of the prizes which totalled £18 16s. 6d.

M. J. TOMLINSON, *Hon. Secretary.*

## KEW GARDENS CHRISTIAN FELLOWSHIP

The vestry at St. Anne's Church, each Friday from 12 noon for one hour, gets steadily fuller as the Lord continues to bless the lunchtime Bible Study meetings. We extend a warm welcome to all who may wish to join us.

Meetings held in the Jodrell Lecture Theatre have been enjoyed by many. The "Fact and Faith Films" were shown once more, the last being "Prior Claim", which compared the wonders of God's creation in the plant kingdom with that of man-made machinery. On this occasion the speaker was Mr. Simon Young, an agriculturist.

The Fellowship send greetings in the name of the Lord Jesus Christ to all past members.

MISS M. JONES, *Hon. Secretary.*

## ATHLETICS SECTION

Kew has again enjoyed success in all the competitive functions during the year, and it is hoped that the cup and medal winners will keep fit and continue their form in the forthcoming session.

## KEW-WISLEY ROAD RELAY RACE.

The 16th annual race was held on March 19th in ideal running conditions. Eight teams were started from Wisley by the Director of the R.H.S. Gardens, Mr. F. P. Knight.

After the first lap, Pershore were leading, with C. Graham of Kew 200 yards behind in 4th place. Writtle took the lead on the second lap with A. Keevil, who was off-form, slipping to 5th place. In the third lap, A. Rich shortened Writtle's lead to half and when B. Penberthy took over, he took Kew from 5th to 1st position, breaking the lap record by 71 seconds. This handed over a lead of  $\frac{3}{4}$  minute to D. Coleman, who extended this by one minute, with the fastest time for the fifth lap. The final lap was run by A. Herron who took Kew to victory (94 min. 51 secs.), followed by Swanley, Writtle, Pershore, Wisley, Secretts, Sittingbourne and the Grotto in that order.

Details of the team laps : Lap 1, 2.75 miles, 4th place, C. Graham, 15 mins. 47 secs. ; Lap 2, 2.95 miles, 5th place, A Keevil, 17 mins. 58 secs. ; Lap 3, 2.65 miles, 5th place, A. Rich, 13 mins. 57 secs. (record); Lap 4, 2.95 miles, 1st place, B. Penberthy, 14 mins. 22 secs. (record) ; Lap 5, 2.80 miles, 1st place, D. Coleman, 15 mins. 51 secs. (fastest lap) ; Lap 6, 2.90 miles, 1st place, A. Herron, 16 mins, 56 secs.

An interview of the Kew team was recorded and was later broadcast on Roundabout. After tea, a film show followed in the lecture theatre. Later, at the presentation dance the Director, Sir George Taylor, presented the Kew team with the "Prize Cup", the Kew-Wisley "Invitation Cup" and individual silver medals. The Swanley team received bronze medals and Writtle, the Maori Batons.

B. PENBERTHY, *Retiring Hon. Secretary.*

## SWANLEY SPORTS DAY.

The second invitation relays competition was held on June 4th, a very hot and sunny day. The strong opposition expected from the other horticultural institutes was not forthcoming and Kew won two of the three relays contested. The results were :—

4 x 110 yds. Relay : J. Endall, A. Rich, A. Keevil and G. Graham.

Result : Swanley First.

4 x 3 miles Road Relay : D. Waddell, G. Graham, B. Penberthy and A. Rich.

Result : Kew First.

4 x 880 yds. Relay : J. Endall, A. Keevil, B. Penberthy and A. Rich.

Result : Kew First.

J. Endall competed in the high jump but retired 2nd Place. After the presentation of the Swanley Memorial Trophy to the Kew Team, all attended a dance.

#### CIVIL SERVICE SPORTS DAY (CHISWICK)

Enthusiastic support helped Kew to retain the Howell Thomas Cup for the region gaining the highest number of points. Kew gained  $76\frac{1}{2}$  points against the 76 awarded to the S.E. Region.

The results were : 100 yds. Ladies—2nd Miss E. Stevens ; 220 yds. Ladies—3rd Miss E. Stevens ; 440 yds. Men—3rd G. Graham ; 880 yds. Men—3rd D. Coleman, 4th C. W. Jones ; 1 mile—3rd B. Penberthy, 4th D. Waddell, Long Jump, Ladies—4th Miss E. Stevens ; Long Jump, Men—3rd D. Coleman ; High Jump, Men—1st D. Coleman (The French Cup), 4th J. Endall.

Tug-of-War. 1st position for the Weybridge Cup. Team : R. Bowen, A. Barnes, G. Greenough, B. Frankland, R. Cowley, J. Berwick, P. Harris, I. Cameron-Swan.

4 x 110 yds. Relay, Men. 2nd position for "A" team : B. Frankland, A. Barnes, G. Graham and D. Coleman. 3rd position for "B" team : D. Waddell, A. Keevil, J. Endall and A. Rich.

4 x 110 yds. Relay, Ladies. 3rd position for team : Mrs. C. Griffin, Miss S. Willsher, Miss M. Jones and Miss E. Stevens.

Shoe Race—2nd J. Berwick. Wheelbarrow Race—1st Miss E. Stevens and A. Rich. Raffill Prize—F. Burnell.

#### CLOG AND APRON RACE.

This traditional race up the Broad Walk took place on October 13th. Mr. J. P. M. Brenan started the fourteen runners but he expressed disappointment that no girls were participating. Mr. R. W. King acted as Time-keeper.

The results were : 1st (The Pearce Cup) D. Coleman—The Tropical Dept., 53 secs. ; 2nd G. Graham—Alpine and Herbaceous Dept. ; 3rd B. Frankland—Decorative Dept. Each of the winners received a bottle of cider, and the remaining bottles, all of which were supplied by the Students' Union, were shared among the remainder.

#### ROUND THE GARDENS RACE.

The Director, Sir George Taylor, started the eight entrants for this race which was held on October 20th. The over-all distance was  $2\frac{3}{4}$  miles. Mr. J. Hicks acted as time-keeper.

B. Penberthy finished nearly three minutes ahead of his closest rival in 12 mins. 56 secs. The Inter-departmental Cup was awarded to the Decorative Department with a fine effort from M. Shorey and P. Styles, who came second and third respectively. The Herbaceous and Alpine Department were second. A noble effort was made by Miss A. Claringbourne who completed the course in 26 mins.

## TABLE TENNIS

With the loss of the social room behind the "Coach and Horses", the section was left without practice facilities. However the Director kindly gave permission for the room above the Mess Room in the Melon Yard to be used for this purpose.

The practices were well attended and several matches have taken place. The following have taken part in matches : E. Campbell, 3 won, 3 lost ; B. Penberthy, 4 won, 2 lost ; F. Schweizer, 4 won, 2 lost ; P. Goodbury, 1 won, 2 lost ; and M. Hart, 1 won, 2 lost. Miss C. Pinnell who played in doubles.

The first match, against Swanley on November 15th, was lost by 7 games to 2, following a very tiring drive through traffic jams and pouring rain. On December 7th we played Wisley away and lost by 5 games to 4, after a very close match. The return against Swanley on December 13th was won by 5 games to 4, and two days later a three-a-side match against F. A. Secrett's A team was won by Kew, 6 games to 4. The Kew players, Campbell, Penberthy and Schweizer each won two of their three singles but lost the doubles.

We are determined to improve our record in 1967.

B. PENBERTHY, *Hon. Secretary.*

## LAWN TENNIS CLUB

The activities of the Club really never seemed to get off the ground this year. Good "Club Nights" near the beginning of the season made full use of the courts, but the vagaries of a wet summer soon had a dampening effect in more ways than one, and enthusiasm tailed off rather prematurely. We managed to fit in two matches against the British Museum (Natural History), although one at least was played on ground more suitable for rugby football than lawn tennis. The teams were well matched and Kew retained the Nathismus Cup only by a fine margin. Invitations to enter the Proudlock Tournaments received little response and the competitions were not played off.

We are most grateful to Mr. Yates for the efforts he and his staff made to keep the courts in playable condition, and we greatly missed Mr. Preston's careful marking of the lines, which through ill health, he was unable to continue throughout the season. The amateur efforts of the Committee, had on occasion a certain pop-art aspect, and made us all the more appreciative of the skill to which he has so long treated us. The pavilion, whose fate has for some years been rumoured (apparently wrongly) to be in some doubt with respect to the adjacent construction of the 17th Century garden behind Kew Palace, is in a rather sorry state. It is hoped, however, to spruce it up nicely in the spring.

R. M. POLHILL, *Hon. Secretary.*

### CRICKET SECTION

The season was a disappointing one for of the fifteen matches which were arranged, half were cancelled owing to the difficulty of raising a team each week. It is intended to reduce the games in the next season to nine in the hope that this proves more workable.

The results of the seven matches which were played were three wins, three losses and one draw. The two Wednesday games were a great success.

The following averages were an improvement on last season. C. Gordon topped the batting with 30.8. Then followed A. Balfour with 21.3 and E. Scarr with 17.6. The bowling averages were, J. Endall 8 for 38, A. Balfour 19 for 147 and C. Gordon 19 for 192.

In conclusion our thanks are due to all who gave this section their support and assistance.

A. BALFOUR, *Hon. Secretary.*

### FOOTBALL SECTION REPORT

The year 1966 has been one of glory for our nation's footballers, but for Kew it has been a season of humiliation, comparing unfavourably with the results of the 1964 season.

As reported in the previous issue, four games were lost, one drawn, with one win. The latter end of the season closed with two more defeats, three draws and two wins. This was not a very impressive performance, but our appreciation is extended to those who played in such a sporting manner.

D. P. COLEMAN, *Hon. Secretary.*

The 1966-67 season was very slow to start and it was 5th November before we played our first game. It was against Writtle and we were thrashed, a 15-0 defeat. We have also lost 3-0 away to Wisley and have drawn with Cambridge at home. Thus the results show a steady improvement and we have every confidence in finishing the season with a few wins to our credit.

G. A. HERRON, *Hon. Secretary.*

### HOCKEY SECTION

The 1965/66 season closed with similar results to those of the previous year—5 won, 6 lost and 1 drawn. There were five cancellations—mainly due to weather conditions. With the completion of the three-year course and as a result of a number of marriages, we have lost several players, but nevertheless, we have some new members. We have added Wall Hall to our fixture list, but on the other hand we have lost the Kent Horticultural and Farm Institute at Swanley.

Fifteen matches have been arranged for 1966/67 and we hope to improve upon the results of last year. In previous years it has been claimed that our team has lacked power in the front line but results so far suggest that this has been overcome.

G. A. PATTISON, *Hon. Secretary.*

## KEW BOTANY CLUB

At the Annual General Meeting, A. R. Smith, of the Herbarium Staff, was re-elected as Chairman. I. M. L. Shephard was elected as Hon. Secretary and M. Cudd as Hon. Assistant Secretary. Owing to the fact that there was insufficient work for the Committee Members to do during the previous year, these positions were discontinued. At a later date in July, our Chairman resigned and D. Hunt, also of the Herbarium Staff, was appointed in his place.

The following lectures were presented during the winter 1965/66:—

1. "Collecting Plants" by A. R. Smith.
2. "Weeds" by A. R. Smith.
3. "How to Press Plants" by A. R. Smith.
4. "The Scientific Names of British Plants" by R. D. Meikle.

The various trips held during the summer were quite well supported, the best attendance being at the annual grass trip, round Queen's Cottage grounds, which was led by W. D. Clayton, at which 22 students were present. Miss S. S. Hooper led a trip to Staines Moor. J. L. Gilbert outlined the various plants to be found growing along the Thames embankment between Kew and Richmond, whilst Dr. D. A. Reid conducted a very interesting "Fungus Foray" round the Gardens in October.

The winners of the Kew Botany Club prizes are as follows:—

The Dümmer Memorial Prize for the student who submits the best collection of British Plants was awarded to:—B. A. Nash.

The Proudlock Jubilee Prize for the second best collection was awarded to:—A. Rich.

I. M. L. SHEPHARD, *Hon. Secretary.*

## MUTUAL IMPROVEMENT SOCIETY

During the session there were sixteen lectures by students, two by members of the staff, and two by outside speakers. There were also three debates, and a brains trust.

This has been the first complete year in which all meetings have been held in the Jodrell Theatre, and valuable experience in public speaking has been gained by those who have given papers or have taken part in discussions. This was in evidence when an "Ad-Lib" competition was held during the second-half of the session. The most effective speaker, J. O'Connor, was presented with a cup awarded by Dr. Keith Jones.

During October there was a trip to Westonbirt Arboretum, where the autumn colour was excellent. Also there were two evening visits—to the "Punchbowl", Windsor Great Park, and to Wakehurst Place. The Kew-Wisley debate, held at Wisley, was very successful, but the support of our members for the Kew-Cambridge debate on home ground was not encouraging.

The following awards were made at the close of the season :  
The C. P. Raffill Prize—J. O'Connor, The Hooker Prize—C. Wood,  
and the Society's Prize—B. Howard.

Our thanks are due to Messrs. G. J. E. Yates and S. A. Pearce  
for acting as Chairman. C. WOOD, *Hon. Secretary.*

#### SYLLABUS : OCTOBER, 1965—MARCH, 1966

1966			
Oct.	11	Discourse, Diatribe and Debate ... ..	Dr. K. Jones
	18	An introduction into Glasshouse Heating ... ..	H. N. Goddard
	24	Trip to Westonbirt Arboretum ... ..	
	25	Australian Mutual Provident Society ... ..	
Nov.	1	Landscaping in New Towns ... ..	B. A. Nash
	8	Development of Children's Playgrounds ... ..	J. Beswick
	15	Maintenance of Cinder Athletic Tracks ... ..	C. P. Wood
	22	Grey Foliage ... ..	A. Rich
	29	Maintenance of Bowling Greens ... ..	A. R. Keevil
Dec.	6	Industrial Pollution ... ..	P. D. M. Hitchen
	13	Internal Debate ... ..	
1967			
Jan.	10	Succulent Plants—Some Fallacies exploded ... ..	E. W. Macdonald
	17	Longwood Gardens ... ..	R. S. Hebb
	24	Abbey Gardens, Tresco ... ..	J. D. Roberts
	31	Construction and Maintenance of an Athletics' Training Area ... ..	A. L. Barnes
Feb.	7	Hardy Eucalyptus Trees ... ..	Miss M. M. Jones
	14	Soil Erosion ... ..	A. H. Balfour
	21	"Ad-Lib" Competition ... ..	
	28	Plant hunting in Nepal and Kashmir, 1965 ... ..	C. D. Sayers
Mar.	7	Construction of a Bowling Green ... ..	R. D. Bowen
	15	Wisley—Kew Debate at Wisley ... ..	
	21	Land Reclamation ... ..	J. Mitchell
	28	Autumn Colour ... ..	J. O'Connor
Apr.	4	Paved and Surfaced Areas. ... ..	G. M. Gaskin

#### THE KEW THREE-YEAR DIPLOMA COURSE

The first course for the new Kew Diploma has now been completed, with the successful students receiving their awards. The Presentation Day ceremony reported in this *Journal* was the start of a new tradition and will no doubt increase in importance in future years.

Gradually, the scope of the course of instruction is being extended and consolidated, to provide a sounder theoretical training. Those who recently completed their studies, have not only passed their examinations but have also submitted a project/thesis upon a horticultural subject of their own choosing. The object of this is to encourage private effort and ability to search for information. In some instances, very original work resulted, in fact, we expect to see a number reprinted in various journals.

A new subject was introduced into the curriculum—"Plants for Parks". The reason for this addition was to bring theoretical and commercial aspects in the realms of reality for parks work. Another subject which is to be introduced in this session—"Turf Culture". This acknowledges the general student bias towards employment with local authorities. Further emphasis is to be

placed upon arboriculture, which is so important for municipal horticulture. Finally a brief introduction is being made into public administration, so that those who are unable to attend The Grotto, will not be so ill-prepared for the duties of a technical assistant.

L. PEMBERTON, *Supervisor of Studies.*

### THE FIRST PRIZE DAY AT KEW

The Jodrell Laboratory lecture theatre set the scene on Friday, August 12th, for the presentation of prizes. There was an invited audience which consisted of staff, students' parents, Old Kewites (there was an open invitation to all Guild Members), and several leading personalities of the horticultural profession. It was the first time that the prizes were presented on a special occasion as it had been customary to make a feature of this at the annual dinner. The presentation was made by the Permanent Secretary to the Minister of Agriculture, Sir John Winnifrith.

The Director, Sir George Taylor, welcomed Sir John and congratulated the prizewinners. Before making the presentations, Sir John Winnifrith spoke of the important part which Kew played in horticultural training. Following the prize-giving, the Director spoke of the good work which had been done by Mr. L. Pemberton, the Supervisor of Studies. Both Mr. Pemberton and Mr. P. W. H. Conn, President 1965/66, were on the stage with Sir John and Sir George.

When the ceremony ended the company adjourned for tea in the Orangery. Examples of the Students' work were on show in the Jodrell Laboratory. Also there was a display of the various medals awarded to Dr. J. Hutchinson by scientific societies.

### LIST OF PRIZES AND AWARDS TO STUDENTS, 1966 KEW GUILD PRIZES.

*Matilda Smith Memorial Prize.* Awarded in memory of Matilda Smith, Guild President, 1915/16, to the student adjudged best at practical work. Won jointly by B. F. Howard and P. E. Wilson.

*C. P. Raffill Prize.* Awarded in memory of C. P. Raffill, Guild President, 1936/37, to the student giving the best paper to the Mutual Improvement Society. Won by J. O'Connor.

*Dümmer Memorial Prize.* Awarded in memory of R. A. Dümmer, a Kewite of outstanding merit, for the best collection of properly dried, named, mounted and labelled specimens of the British Flora. Won by B. F. Howard.

*Proudlock Prize.* Awarded in memory of R. L. Proudlock, Guild President, 1935/36, for the runner-up in the best plant collection. Won by J. O'Connor.

*Prize for the best garden plot.* During the first year of the course, students are required to cultivate a garden plot. Won by P. E. Wilson.



*Prize for the best Individual Study.* Students are required to carry out an individual study project during their course. Won by R. K. Edwards.

#### OTHER PRIZES.

*G. C. Johnson Memorial Prize.* This prize, which consists of a copy of the R.H.S. Gardener's Dictionary and Supplement, together with a cheque for £25, is presented from a fund administered by the Bentham-Moxon Trustees on behalf of the *Grower*. It was founded in memory of the late G. C. Johnson, Guild President, 1959/60, and is awarded for the best overall performance on the Kew Diploma Course. Won by P. D. M. Hitchin.

*Sir Joseph Hooker Prize.* Presented by the Director, Sir George Taylor in memory of his famous predecessor, Sir Joseph Hooker, to the student who has done most for the Mutual Improvement Society. Won by C. Wood.

*Mutual Improvement Society's Prize.* Awarded by the Society for the member who has taken the most active part in discussions and debates. Won by B. F. Howard.

*Photographic Society Prize.* This is presented by Mr. S. W. Rawlings, Assistant Curator, for the best photographic effort by a student. Won by A. R. Smith.

*Kingdon-Ward Prize.* The late Frank Kingdon-Ward, to whom gardeners owe a great debt for the contribution his plant-collecting expeditions made to British gardens, founded on his death to provide a yearly prize of £10 to a Kew student for an essay on a horticultural subject. The subject chosen in 1965 was "What should be the Aims and Methods of Horticultural Education". Won by J. O'Connor.

*Kew Diploma.* This is awarded to students who have completed satisfactorily a three year course of study at Kew. Awarded to: Messrs. A. L. Barnes, R. D. Bowen, R. K. Edwards, J. R. C. Endall, C. E. B. Gordon, C. Hart, P. D. M. Hitchin, B. F. Howard, R. Ince, J. E. M. Jones, J. Mitchell, J. O'Connor, D. Waddell and P. E. Wilson.

A full account of the speeches by Sir John Winnifrith and Sir George Taylor is filed in the Library at Kew.

#### LIVE PLANTS IN THE MUSEUM, 1966

During 1966 British and naturalized live plants were shown in the General Museum (No. 1) from January to December, the first time they had been exhibited for such a long period. Owing partly to this and partly to our enthusiastic contributors, there was a further increase in the number of species shown during the year; they now number about six hundred.

The exhibit started with a display of winter twigs, some of which eventually came into leaf and flower. During March,

herbaceous material began to come in and by midsummer we were showing over 100 species at a time, a state of affairs which lasted for six weeks or so. This material was accommodated on three exhibition stands, one showing general material and two smaller stands with specialized exhibits. These consisted of grasses (this exhibit is still on view in a dried condition), rushes and sedges, and composites. A general description of the character and uses of the families on display was given on labels.

The Plant Table is very popular with the general public and the specialized exhibits were appreciated by the more knowledgeable visitors. While it is apparent that many people are interested in wild flowers, it is also true that the one plant many people remember from their childhood is *Briza media* L., commonly called Totter or Totty Grass. It is not clear why this is so, but a number of people nearly fell down the Museum stairs, craning to see the specimens which had to be moved to a more accessible position in order to avoid accidents!

The Christmas exhibit was on the plants used for decorating i.e. holly, ivy, box, mistletoe, etc., and on the plant products, usually fruits that are traditionally eaten at this time, such as tangerines, raisins and ginger.

As in earlier years, thanks are due to the staff of the European department of the Herbarium for their help in naming material. Our thanks are due to them, and to all the other contributors who either brought or sent in so much excellent material. Without their help this exhibit could not continue in the same manner. Again, as usual, these remarks apply to the "Moss Box" which has been in continuous use throughout the year.

ROSEMARY ANGEL.

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In 1924 a sample of coffee was received at Kew from an Old Kewite from one of the Colonial Pavilions at the British Empire Exhibition at Wembley. Mr. A. D. Cotton, then Keeper of the Herbarium, passed it around his staff for comment, with the following results:—

- "Decidedly washy". C. H. W[right].
- "Not much appreciated". J. H[utchinson].
- "When used double strength, passable". K. W. B.[raid].
- ". . . lacking in flavour and aroma. Might be better used double strength". E. M. W[akefield].
- "Sample insufficient in quantity to say". W. B. T[urrill].
- ". . . made in usual way very poor indeed". S. A. S[kan].
- "Possibly this particular coffee needs an acquired taste; used in accustomed quantity it was lacking in fine flavour". C. V. B. M[arquand].

Needless to say, the territory in question has never become famous for producing coffee!

## EAST MALLING VISIT TO KEW

On 28th October a visit to Kew was made by the staff of East Malling Research Station. The party visited the Herbarium and Jodrell Laboratory, where a special exhibit was put up by the Departments of the Gardens. The following sentences were taken from a description leaflet which was handed to each guest on arrival.

“One impression of our plant collection, with its elderly and majestic trees amidst spacious and restful lawns, may convey a static and timeless air, but this is misleading, for in fact our collection is, as it should be, constantly undergoing change. There are always interesting new introductions to Kew, and frequent demands from establishments at home and abroad for plants, seed and other plant material for research purposes. We hope our exhibit projects this view.”

The exhibition was laid out in the following sequence :—

*Exhibit No. 1.* This indicated plant collection today, and in particular the recent introductions of plants and seed from New Guinea, and their subsequent establishment at Kew. Staged by Temperate Department. Assistant Curator—J. B. Simmons.

*Exhibit No. 2.* This display followed on from No. 1 and retained in part the New Guinea theme, but in the form of ferns and illustrations of their life history. There were ferns from North and South of the Equator, East and West of the International Date Line, showing how morphologically diverse this group is. Staged by Tropical Department. Assistant Curator—S. W. Rawlings.

*Exhibit No. 3.* This exhibit concentrated on the importance of information concerning the species introduced. It showed that field notes with locations and any other data gleaned from the countries and districts of origin, are of the utmost importance to a scientific collection of plants. Clonal propagation by grafting was also dealt with. Staged by the Arboretum South Department. Assistant Curator—G. E. Brown.

*Exhibit No. 4.* Winter flowering begonias are an important horticultural crop, and our Decorative Department depicted something of the history and origin of these beautiful flowering plants, with comments on a suitable compost in which to grow them. Staged by the Decorative Department. Assistant Curator—G. J. E. Yates.

*Exhibit No. 5.* This group was intended to complete this cycle at Kew, for it showed the variations in form amongst the fruit and seed produced by hardy plants in these gardens. There was a display of the work involved in collecting, cleaning and packing seed for world-wide redistribution. Staged by Alpine and Herbaceous Department. Assistant Curator—G. H. Preston.

An exhibit of autumn foliage and berried specimens, taken from the Kew and Wakehurst collections was put up in the Orangery by the Arboretum North Department. Assistant Curator S. A. Pearce. The following list was prepared from this display :—

A LIST OF THE FOLIAGE AND BERRIED SPECIMENS  
TAKEN FROM THE KEW AND WAKEHURST  
COLLECTIONS AS DISPLAYED IN THE ORANGERY  
FOR THE EAST MALLING VISIT.

**ACERACEAE**

<i>Acer grosseri</i> Pax. var. <i>hersii</i> (Rehd.) Rehd.	Wakehurst	Foliage
<i>Acer nikoense</i> Maxim. ....	Wakehurst	Foliage
<i>Acer palmatum</i> Thunb. 'Senkaki' ...	Wakehurst	Foliage

**ANACARDIACEAE**

<i>Cotinus coggygria</i> Scop. ....	Wakehurst	Foliage
<i>Cotinus coggygria</i> Scop. 'Atropurpurea' ...	Wakehurst	Foliage

**BERBERIDACEAE**

<i>Berberis x carminea</i> Ahrendt ...	Kew	Fruit
<i>Berberis thunbergii</i> DC. var. <i>atropurpurea</i> Chenault ...	Kew	Foliage & Fruit

**CAPRIFOLIACEAE**

<i>Symphoricarpus albus</i> Blake var. <i>ovatus</i> Rehd. ....	Kew	Fruit
<i>Viburnum betulifolium</i> Batalin ...	Kew	Fruit
<i>Viburnum plicatum</i> Thunb. 'Tomentosum'	Wakehurst	Foliage

**CELETRACEAE**

<i>Celastrus orbiculatus</i> Thunb. ...	Kew	Fruit
<i>Euonymus yedoensis</i> Koehne ...	Wakehurst	Foliage & Fruit

**CORNACEAE**

<i>Cornus nuttallii</i> Audub. ....	Wakehurst	Foliage & Fruit
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**ELAEAGNACEAE**

<i>Elaeagnus macrophylla</i> Thunb. ...	Wakehurst	Foliage
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**ERICACEAE**

<i>Arbutus unedo</i> L. ....	Kew	Flowers & Fruit
<i>Arbutus unedo</i> L. f. <i>rubra</i> (Aiton) Rehd. ...	Kew	Flowers & Fruit
<i>Pernettya mucronata</i> Gaudich. (Forms) ...	Kew	Fruit
<i>Rhododendron luteum</i> Sweet. ...	Wakehurst	Foliage

**FAGACEAE**

<i>Fagus sylvatica</i> L. ....	Kew	Foliage
<i>Quercus borealis</i> Michx. var. <i>maxima</i> Sarg.	Wakehurst	Foliage
<i>Quercus coccinea</i> Muenchh. 'Splendens'	Wakehurst	Foliage

**GUTTIFERAE**

<i>Hypericum elatum</i> Dryand. 'Elstead' ...	Kew	Fruit
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**HAMAMELIDACEAE**

<i>Fothergilla major</i> Lodd. ....	Wakehurst	Foliage
<i>Fothergilla monticola</i> Ashe ...	Wakehurst	Foliage
<i>Hamamelis virginiana</i> L. ....	Kew	Foliage
<i>Liquidambar styraciflua</i> L. ....	Wakehurst	Foliage
<i>Parrotia persica</i> C. A. Meyer ...	Wakehurst	Foliage

**JUGLANDACEAE**

<i>Carya tomentosa</i> (Poir.) Nutt ...	Kew	Foliage
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**MAGNOLIACEAE**

<i>Liriodendron tulipifera</i> L. ...	Wakehurst	Foliage
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**NYSSACEAE**

<i>Nyssa sylvatica</i> Marsh. ...	Kew	Foliage
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**OLEACEAE**

<i>Fraxinus ornus</i> L. ....	Kew	Foliage & Fruit
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**PINACEAE**

<i>Araucaria araucana</i> (Mol.) K. Koch ...	Wakehurst	Foliage & Cones
<i>Picea likiangensis</i> (Franch.) Pritzel ...	Wakehurst	Foliage & Cones
<i>Pinus wallichiana</i> A. B. Jacks ...	Wakehurst	Foliage & Cones
<i>Pseudolarix amabilis</i> (Nelson) Rehder ...	Wakehurst	Foliage & Cones
<i>Taxodium distichum</i> (L.) Rich. ...	Wakehurst	Foliage

## ROSACEAE

<i>Amelanchier canadensis</i> (L.) Medic. ...	Wakehurst	Foliage
<i>Chaenomeles speciosa</i> (Sweet.) Nakai ...	Wakehurst	Foliage & Fruit
<i>Malus x robusta</i> Rehd. ...	Kew	Fruit
<i>Rosa canina</i> L. 'Obtusifolia' ...	Kew	Foliage & Fruit
<i>Rosa helenae</i> Rehd. and Wils. ...	Kew	Fruit
<i>Rosa moyesii</i> Hemsl. and Wils. ...	Kew	Fruit
<i>Rosa rubiginosa</i> L. ...	Kew	Foliage & Fruit
<i>Rosa spinosissima</i> L. ...	Kew	Foliage & Fruit
<i>Sorbus aria</i> Crantz ...	Wakehurst	Foliage
<i>Sorbus domestica</i> L. 'Maliformis' ...	Kew	Foliage & Fruit
<i>Stranvaesia davidiana</i> Decne. var. <i>undulata</i> Rehd. and Wils. ...	Wakehurst	Foliage & Fruit

## RUTACEAE

<i>Poncirus trifoliata</i> Raf. ...	Wakehurst	Fruit
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## SABIACEAE

<i>Meliosma veitchiorum</i> Hemsley ...	Wakehurst	Foliage
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## SAXIFRAGACEAE

<i>Hydrangea paniculata</i> Sieb. and Zucc. ...	Wakehurst	Foliage
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## THEACEAE

<i>Stuartia gemmata</i> Chien and Cheng ...	Wakehurst	Foliage
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## TROCHODENDRACEAE

<i>Trochodendron aralioides</i> Sieb. and Zucc. ...	Wakehurst	Foliage
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## VERBENACEAE

<i>Clerodendrum trichotomum</i> Thunb. var. <i>fargesii</i> (Dode) Rehd. ...	Wakehurst	Fruit
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## VIOLACEAE

<i>Hymenanthera crassifolia</i> Hook. f. ...	Wakehurst	Fruit
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## VITACEAE

<i>Vitis semicordata</i> Wallich ...	Wakehurst	Foliage
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## TEMPERATE DEPARTMENT

During 1966 the re-organisation of the collections has continued. In the Himalayan House this has involved transplanting and clearing, in order to maintain a pleasant balance. A peat mulch has also been given to encourage good growth. In order to provide freer drainage for the more difficult Malesian Rhododendrons, small raised areas have been constructed, these being held in place with logs. The results have been good, for example, *R. Macgregoriae* from New Guinea has flowered well. The new plantings have been limited to Asiatic species and these include *Luculia grandifolia*, *Michelia doltsopa* and *Daphne bhohua*, a Nepalese species which has grown from 9 inches to 3½ feet in one season. *Gordonia axillaris* is now an established plant and produces its large white camellia-like flowers in great profusion from November to January.

The South African bed in the Main House was constructed as a raised feature, in an attempt at growing Proteaceous plants. Initially *Leucadendron argenteum* and *Protea cynaroides* have been tried, and by regular stopping they have developed a bushy habit. In the stonework several species of *Haemanthus* have been used as a non-competitive interplanting. As certain S. African shrubs display a tendency to cease flowering after being planted out, a few were planted in their pots which had their bases removed. *Alberta magna* and *Greyia sutherlandii* have responded and

flowered well. Many seedling *Proteaceae* are being raised, and with constant modifications to the propagating techniques, the results are encouraging. Most of the beds in the Main House are designated for specific areas, and by a gradual planting and renewal policy, it is hoped to produce a regionalised collection. Concentrating on the overgrown beds first, three have been replanted, one with New Zealand plants, another with Asiatics, while one is devoted to a collection of rare Hawaiian endemics, raised mainly from seed sent in by the late Dr. J. F. Rock. Some replanting has also been carried out in the Mexican House. This latter area being restricted to American plants.

During the summer many half hardy subjects were planted in the Terrace Border outside the Temperate House. Over 250 species are represented in these borders, despite the fact that the site is exposed to wind and is not suitable as a testing ground for winter hardiness. In the Ruined Arch area a planting has been established of the "selected-provenance Eucalyptus", received as seeds from Mr. R. C. Barnard of Bovey Tracey. The resultant seedlings were pricked out at the cotyledon stage in May, using 4½-inch pots. They were planted out in July and by October all had made sturdy plants, some reaching a height of 4½ feet. For comparison a duplicate set has been sent to Wakehurst.

In the Australian House the two spikes *Doryanthes palmeri* which flowered in March,\* set seed in October, while the spike from the third rosette is expected to blossom in the spring. An attempt has been made to extend the predominantly winter flowering season into the summer, in order to provide more colour for visitors, who are in greater numbers during this period. *Solanum sturtianum* has proved markedly useful in this respect.

The introduction of such labour saving devices as a mobile potting bench, a low volume spayer and an electric truck, helps to make the work lighter. The eight oil burners have been replaced and the light "30-second" fuel oil is in use, a measure which has reduced maintenance with less trouble and cost.

A good collection of Malesian Rhododendrons, mainly from New Guinea and Sabah, is growing on raised beds under a mist unit in the propagating pits. There is also a mist propagation unit and many useful plants have been raised—as an example, the student gardener A. Keevil has recorded some interesting successes in rooting Eucalyptus.

So the New Year opens, and the Temperate House, with a fresh coat of paint on the outside, gleams clean and white, waiting for the onset of a new season.

J. B. SIMMONS,

*Assistant Curator in Charge of Temperate House.*

\* *K.G.J.*, 1965, p. 566.

Written by a student in a systematic botany text --- "A 'cultivar' is a plant that has been raised in captivity".

## CHANGES AT KEW

In the *Journal* for 1962 I listed the changes which had already taken place and those which were in the course of being made or envisaged for the near future. The present article is in the nature of an interim report on progress, with a look into the crystal ball to see what may be in store in the future.

Starting, as in the previous article, with the Melon Yard, it would be pleasant to be able to report that, as forecast, the Decorative Department had been moved out to a new range of glass-houses in the Lower Nursery<sup>(1)</sup> and the haphazard and miscellaneous collection of houses and huts in the Melon Yard, which has grown up unplanned over the years, had been replaced by a modern up-to-date range, but this is still unfortunately some years away. For some time yet the Tropical Department, the Arboretum North, the Herbaceous and Alpine Department and the scientists in the Jodrell Laboratory will have to continue to put up with such *ad hoc* arrangements to cope with their requirements as can be made within the existing buildings. Successive financial crises have made it difficult to get the money to complete the Lower Nursery project except at a very slow pace and on this hinges the reorganisation of the Melon Yard.

Some progress, however, has been made in the Lower Nursery. At the time of the previous article one house had been built (and this was really only half a house in length) and some frames. This house has since been extended to full length and two other full length houses built, and the prospects are brighter now than at any time since the scheme was first mooted that it will be completed reasonably soon. The next phase is the provision of a boiler house to serve the whole range. This will be followed by working accommodation and the remaining glasshouses and frames. The whole will form a complete up-to-date self-contained centre for Decorative Department work.

As the Lower Nursery scheme is now on the move at a faster pace one of the most urgent tasks facing Mr. R. Shaw, Kew's new Curator, is the preparation of a comprehensive plan for the rebuilding of the Melon Yard, to be brought into being in stages, phased in with the release of space by the Decorative Department as it moves out. He will need the wisdom of Solomon to reconcile the competing claims of the departments to be served by it!

Because the Melon Yard is to be rebuilt changes in this area have to a large extent been halted. Adaptations have been made to some of the huts to increase their usefulness but the most noteworthy addition has perhaps been the provision of motorised blinds in House No. 18 in the Tropical Department pits. These had an unfortunate beginning. Either the weight of the equipment distorted the ridge or the distortion was there before the machinery was installed. Whatever the cause, the system was soon out of action and the ridge of the house had to be strengthened—a case, perhaps, of putting new wine into old bottles!

The provision of motorised blinds is, in fact, one of the interesting new developments at Kew which has taken place in recent years. A number of the glasshouses (including House 4 and most of the T-Range) have been fitted with them. They have not been entirely successful in some cases but it seems likely that the difficulties experienced are no more than teething troubles and that in due course they will become an established and trouble-free part of the system.

The Melon Yard should not be left without a look inside Descanso House. The Curator's office itself remains almost unaltered and is still largely as generations of Kewites have known it. If W. J. Bean, William Watson or George Nicholson were to walk in once again they would still see the picture of Asa Grey over the fireplace, the photograph of the first three girl gardeners at Kew hanging by the bookcase (which still contains many of the same books), and the same Victorian clock on the mantleshelf. The unchanging room and furniture, however, are not reflected in the activity emanating from the Curator's office. The "wind of change" is blowing through Kew, as this article and the previous one testify.

The Gardens Library also remains substantially unaltered, apart from extensive additions to the books. The portrait of W. J. Bean, which hangs there, began to show a kind of blue "bloom" in the early 1960's—unkind people said that he was turning blue with disgust at the changes since his day!—and had to be restored. The job was successfully done and he now once again gazes benignly down on the students and others working there.

Although the Curator's Office and the Library have changed little, Descanso House has had to accommodate a new and important addition to the Gardens staff. This is the Supervisor of Studies, a new officer brought in to run the new three-year Diploma Course at Kew.<sup>(2)</sup> The changes in this course require an article to themselves and can only be summarised here. It commenced in October, 1963, and the first batch of students received their Diplomas from Sir John Winnifrith, the Permanent Secretary of the Minister of Agriculture, Fisheries and Food, in August, 1966. Apart from the additional year, the main changes from the old course were the provision of lectures during working-time instead of after hours and the establishment of the full-time Supervisor of Studies post to run the course. The syllabus has also been greatly extended, and the number of students increased from 40 to 60.

Turning now to the Jodrell Laboratory and Lecture Theatre, the article would not be complete without recording that this building was completed and occupied in early December, 1964. The general consensus of opinion is that the laboratory and classroom accommodation is satisfactory and the lecture theatre a notable addition to Kew facilities. Opinions are divided about the merits of the building itself, which is in a modern style quite different from the surroundings. The new gate into Kew Road came into use



at the same time and the Melon Yard gate used for so long is now closed.<sup>(3)</sup>

The work of improvement of the Alpine and Herbaceous Department building behind Museum II has been completed but the replacement of the existing Alpine House with a new and larger house has not yet been commenced, due in the main to the difficulty of finding a satisfactory alternative site for the present one, which is rather tucked away and tends to be missed by visitors. The oldest section of the rock garden is at present being reconstructed using Sussex sandstone in place of the limestone which was originally used. This continues the work recorded in the previous article.

Moving on from the rock garden to the "T" range the rebuilding and enlarging of the whole block of orchid houses and potting shed has been completed, but no progress has yet been made on the provision of the large new Economic House, mainly because it would be costly and, in the financial climate of the sixties, it has been necessary to defer the project until other expensive items such as the Jodrell Laboratory, the new Herbarium wing, and the Lower Nursery were well under way. Architects of the Ministry of Public Building and Works have the design in hand and it may well be that the challenge afforded by the design will produce a really worthy addition to the attractions of Kew.

Work having been largely completed on the "T" range, attention has been turned to the Ferneries. A cloakroom has already been provided and the old Filmy Fern House, potting shed and propagating houses are being rebuilt and replaced by larger buildings to form a new and up-to-date propagation and working unit for the fern and succulent houses.

Crossing now to the Orangery, the visitor would notice that a fine new drinking fountain, a replica of that near King William's Temple, has been installed near the bookstall.

Behind Kew Palace, the first phase of the building of the XVII Century garden has been completed<sup>(4)</sup> and there is hope that, with financial help from outside which has been promised by a benefactor, the remaining work will be completed in the next two years. Sufficient progress has been made to plant the horn-beams for the pleached alley, the yew and box hedges, and the laburnums. This will be a really worthwhile addition to Kew and is certain to attract visitors in great numbers.

The Lower Nursery development has already been dealt with. Since the last article was written the tea bar just outside the nursery has been opened and has proved very successful.

Moving on down the Gardens towards the Palm House the visitor would notice first that the aster border had gone and, as he neared the Palm House itself, that House No. 15, the Tropical Water Lily House, had been rebuilt. When this house became decrepit, a difficult decision had to be made, either to restore it, with all its imperfections as a growing house (principally the inadequacy of the tank and the smallness of the house itself) or to build

a new and larger one. Inclination swayed towards the latter but the view finally reached was that as this small house was of pleasing design and probably the most beautiful house in Kew in the summer, being very popular with visitors, it would be preferable to restore it and build an additional house elsewhere for aquatic plants for which room could not at present be found. No progress has yet been made on providing this additional house.

The Old Kewite who moved from the Palm House over to the Shaft Yard would probably be amazed by the changes in the yard. The oil tanks for the large new boiler house now occupy part of the pit from which the shaft starts and the remainder has been partly built over by a range of buildings housing Ministry of Public Buildings and Works staff on electrical and engineering maintenance work. Along the Kew Road wall a further range of buildings has been erected to house the Kew staff who work in the vicinity of the yard and also to provide a room for the constabulary in that area.<sup>(5)</sup>

Further down the Kew Road wall, adjacent to the Pavilion gate, a lock-up shelter for motor cycles and bicycles has been provided. In the Arboretum nursery the work of modernisation has made much progress. The messroom has been improved and seedroom and improved seed storage facilities provided in the former carter's residence above the stables. Much additional machinery has been acquired. The stables have been adapted and a separate covered-in shelter provided adjacent to these to house these additions. The old filter beds have been removed and eventually a large area will be concreted over.<sup>(6)</sup> This is at the instance of the sanitary inspector, who considered that the very large compost heap was contributory to a local plague of flies! Offices have been provided for the foremen in the range of buildings in the south side of the nursery.

The principal change going on at Kew has been left to the last. This is the building of the new wing to the Herbarium. A separate note about this is being provided elsewhere in this issue, and there is therefore no need to do more than record it for completion's sake in this article. (Ref. to following article).

The tale of changes at Kew would not be complete without reference to one which ranks with the founding of the Gardens in 1759 and its transformation from a Royal demesne to a state possession in 1841. This is the acquisition of a satellite at Wakehurst Place, near Ardingly in Sussex.<sup>(7)</sup> This 462-acre estate was leased from the National Trust on 1st January, 1965. It already has a fine collection of trees and shrubs. The rainfall is higher, the soil richer and more retentive than at Kew, and the irregular terrain provides many sheltered frost-free spots. The impact of this acquisition on Kew over the years will be tremendous. Those who are here in the early years to share the exciting task of its development as a new botanic garden are fortunate indeed.

What changes does the future hold in store for Kew? Shall we see next, for example, our glasshouses equipped with automatic

control of ventilation now we have motorised blinds? Shall we see, on the scientific side, all the world's information about plants recorded electronically here in one place? Technologically, this is already feasible. We are moving, indeed, have already moved, into a world of vast potentialities. There will be many things to change at Kew to take advantage of them.

R. W. KING, *Secretary,*  
*Royal Botanic Gardens, Kew.*

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THE NEW WING OF THE HERBARIUM AND LIBRARY

The New Wing of the Herbarium and Library is expected to be finished architecturally by March, 1967, although it is likely that it will not be ready for occupation for a few months after that. It will consist of four floors, one of them a semi-basement, and will house the entire library as well as that part of the Herbarium including the *Monocotyledons* and *Cryptogams*. It will also provide much-needed space for other purposes—mounting, photography storage, etc., as well as additional rooms for botanists.

J. P. M. BRENNAN,  
*Keeper of the Herbarium and Library.*

THE WEATHER AT KEW DURING 1966

The weather during 1966 was very disappointing, with the dullest year at Kew since 1958. The year opened in a blustery manner and on January 2nd there was a severe gale. Later there followed some very mild spells, alternating with periods of bitter cold and snow, but it was cloudy with the rainfall below the average for the third successive January. At Kew there were nine successive days without sun. The bees were out on the *Sarcococca confusa* by the Alpine House on February 2nd, and a few days later *Cornus mas* and *Rhododendron mucronulatum* were out in the same area, but the month turned wet with another cold spell.

March was mild and the early flowering rhododendrons opened quickly, but the blossoms were severely damaged at the beginning of the last week. On Saturday, 26th, *Prunus yedoensis* was just coming out, but on the following day, very strong westerly gales swept the Gardens. As they veered to blow from the North a few hours later, the spring was pushed back by the return of winter. April was mostly cold and dull, while on April 14th, strong biting east winds brought arctic air over the whole country. Blizzard conditions prevailed for the whole day with 1-1½ inches of snow,

the daffodils and many shrubs were weighed down while many blossom displays among the *Prunus* were ruined. It was rather unusual to find the early flowering hybrid *Rhododendron*, "Isabella Mangles" opening beneath a canopy of snow. Officially it was described as the worst April blizzard for 16 years, whilst at Kew the maximum temperature for the day was 37° F., the lowest for so late in the year since 1892.

May, which had brief sunny spells, opened up on May 2nd with a maximum of 78° F. which increased by 2 degrees on the following day. This was indeed record-breaking, but another warm spell was to follow at Whitsun, for it was the sunniest Whit-week-end of the century at Kew with 42.6 hours. On Whit-Monday, May 30th, there were 31,137 visitors to the Gardens. However hopes for a good summer were not fulfilled, for June was thundery, while July and August were generally cool. There was little need for irrigation during the summer and the grass remained green throughout the summer, a rare condition for Kew. The following figures give some indication of the amounts of rain which fell: June 12th, 0.67 ins.; June 23rd, 0.95 ins.; July 6th, 0.45 ins.; July 30th, 0.92 ins.; August 3rd, 0.32 ins.; August 7th, 0.65 ins.; and August 29th, 1.23 ins. There was a brief warm spell during the third week of August, but the rough weather returned on September 2nd with a gale which caused some damage including one poplar on the tow path, which was blown down.

The most interesting period was in the Autumn. September was on the whole dry but it was followed by a long period of excessive wet. These conditions, coupled with freedom from frost resulted in a wonderful display of autumn colour. By October 12th the *Aesculus glabra* near the Juniper collection glowed with a variety of vivid scarlet hues, to be rivalled a few days later by the large specimens of *Crataegus prunifolia* near the Palm house. Among all the splendour which followed the mowers struggled during the dryer periods to cope with the grass, which was growing rapidly in the mild wet weather. The final mowing was not completed until November 4th. Towards the end of October, the autumn colour quietened, only to break out with greater intensity a week or so later. The beeches in particular were very fine. The first frost was recorded at Kew on November 10th, but the Dahlias held on for 2-3 weeks. Showery and rather cold weather predominated during the month, but the rainfall was well below the average. There was little more than half the usual amount of rain, a contrast with December when it was higher and milder than usual.

#### AN ACCOUNT OF RECENT BIRD RECORDS AT KEW

The article by J. Souster\* gave an excellent account of the bird fauna of the Royal Botanic Gardens, Kew. In recent years some birds like the Cuckoo, Red-legged Partridge and Common Partridge, which were common, have disappeared. This is due to urban expansion and to the reduction of sufficient ground-cover

\* J. Souster, *Kew Guild Journal*, 1956, pp. 377-380.

within the Gardens, but another factor is the severe winter experienced during 1962-63. During the cold spell many birds perished and several breeding species within the Gardens were reduced in numbers. A few, such as the Goldcrest, the Long-tailed Tit and the Kingfisher, were not seen in the Gardens during the following season. Fortunately these three species have returned with the Goldcrest almost back to original numbers, and the Long-tailed Tit has bred this year for the first time since the severe winter. The Kingfisher, though recorded on several occasions in the past four years, has not yet bred.

Records to date within the Gardens, include some interesting species. During the evening of July 14th, 1964, a party of five Terns were seen flying high over the Gardens. These sea-birds are rarely seen within the London area. On November 4th a Buzzard was seen flying across the area of the Wood Museum and Descanso House—it disappeared out of view behind the buildings along Mortlake Road. On the same day, a Buzzard was reported in Richmond Park.

Records for 1965 started when flocks of finches gathered to feed on the spent hops which were spread as a mulch on the borders and shrubberies. Also attracted by this feast were Bramblings, with a maximum of 30 on March 7th with 9 Siskin on March 21st. Up to 20 of these small visitors were seen during the following winter among the alders by the lake. On August 17th an Oyster-catcher was seen flying over the area of Dutch House; this was the first record for Kew, though they are frequently seen downstream, at Barn Elms Reservoir, Hammersmith.

This year has proved to have been rather an unusual one, as the British Isles have been visited by two Scandinavian species, the Waxwing and the Crossbill. Waxwings did not venture as close to London as Kew, but Crossbills could be seen in among the Conifer Collection from early July to mid-September with a flock of 8 appearing on July 9th. It was noted that only females and immature males could be seen, and that the more brightly coloured adult male was absent. During early August student-gardener E. Edwards saw an orange-coloured robin-like bird, catching insects on the lawns by the Temperate House. This proved to be an immature female Redstart, yet another uncommon bird.

The Autumn migratory period was quite outstanding with a Wood-Sandpiper being seen on September 8th, with Curlews overhead on September 19th and with two Grey Wagtails on Museum 2 on October 9th. In addition there was the usual flow of Meadow Pipits, Skylarks, Thrushes and *Hirundo* (*Swallows* and *House Martins*). The last date for *Swallows* was October 14th. By this time the arrival of *Redwings*, *Fieldfare* and *Redpolls* had also been reported.

I would like to thank the following for their contributions towards this article: Messrs. E. Milne-Redhead, L. Baker and R. L. Adams, Miss V. Mulford and Constable A. F. Mitchell.

M. HUTCHESON.

## THE LIFE AND TIMES OF WILLIAM TOWNSEND AITON

In 1759 when Princess Augusta decided to form a botanic garden at Kew, William Aiton (1731-1793), a young Scottish gardener serving in the Apothecaries Garden at Chelsea, was recommended as suitable to assist her chief gardener, John Haverfield (1695-1784) in laying out the proposed new garden. So began the Aiton family's influence at Kew and here William Aiton's son, William Townsend Aiton, was born two centuries ago on February 2nd, 1766.



At the age of 16 W. T. Aiton became assistant to his father and in 1796 was appointed "His Majesty's Gardener at Kew and Richmond".\* He was much esteemed by George III—who spent a great deal of time at Kew—and by other members of the royal family.

His Contract reads : —

"It was this 24th Day of April one thousand seven hundred and ninety six contracted and agreed Between Henry Strachey Esqr. Master of His Majesty's Household\*\* for and on behalf of His Majesty's on the one Part and William Townsend Aiton Gardener to His Majesty at Kew on the other Part as follows : The said Wm. Townsend Aiton for the considerations hereafter mentioned undertakes and agrees to maintain and keep His Majesty's Kitchen Pleasure & Flower Gardens at Kew & Richmond for one whole year commencing on the eleventh day of October last in the manner and in the condition hereafter specified. Viz. He covenants, promises & engages to maintain and keep the whole of the Kitchen Garden at Kew containing the Measure Twelve Acres One rood and thirteen Perches and the several Fruit houses and Pinestoves in or belonging thereto in a good and perfect state and Order by cultivating the same in the best manner possible providing as constant and regular a succession of every article of Vegetables Herbs Roots & Fruits for His Majesty's Kitchen and Tables . . ."

Aiton had to defray all expenses including labourers' wages, fuel and manure, frames, glasses, tools, implements, seeds, trees

and plants. Full instructions for a whole year's work were given in the Contract, no small detail being omitted.

During the same year Aiton published *Delineations of Exotick Plants Cultivated in the Royal Gardens at Kew 1796* by Francis Bauer. Some of Bauer's original beautifully executed coloured drawings are preserved in the Library of the Royal Botanic Gardens, Kew.

With the assistance of Sir Joseph Banks (1743-1820) and Bank's librarians—Dr. Jonas Carlsson Dryander (1748-1810) and Robert Brown (1773-1858)—Aiton published between 1810 and 1813 the second edition of his father's *Hortus Kewensis* in five volumes. An epitome of the same work appeared in 1814.

In 1820 he arranged the gardens of Brighton Pavilion and made a number of alterations at Windsor. In 1830 the MS for a new catalogue was ready for publication but never printed; it is thought that this was burned after his death by his half brother, John, together with his immense correspondence and some Kew records.

He resigned his control of the Kew Botanic Garden in 1841, but still retained control of the Pleasure Grounds until 1845. He died at Kensington on October 9th, 1849, aged 83 and was buried in an eastern corner of Kew churchyard. A memorial tablet in Kew Church describes him as "Director-General of all the Royal Gardens".

\* \* \*

In Michaelmas 1801 the Botanic Garden had been placed on the Household Establishment which was controlled by the Board of Green Cloth, an ancient Court of Justice belonging to the Lord Steward's Department daily sitting in the Counting-house of St. James's Palace. They met around a table which had a green cloth upon it, hence the name and were chiefly concerned with household accounts, provisions and payments for same. The Board still exists but it is now only concerned with the licensing of pubs and taverns within the Palace of Westminster.

The "red tape" that existed at Kew during the time of W. T. Aiton is amazing! The mere reading of history books suggests that George III had only to command something to be done and work was instantly commenced. Before any building operations could take place in the Royal Gardens permission had to be sought from the Board of Green Cloth. They in turn had to get permission from the "Commissioners of His Majesty's Treasury", who then issued warrants to authorize the work. The following incident illustrates the way in which George III was kept waiting.

On August 13th, 1806, Aiton wrote to Sir Henry Strachey (1736-1810), Master of the Household, the Board of Green Cloth:—

"I have the honour to submit for your Information that the succession Pinery in His Majesty's Garden at Kew is in a very bad state; and so much decayed that the same will require to be taken down and rebuilt; I therefore humbly represent that if this

Business is deferred acting upon till another year, His Majesty's Table cannot be supplied duly with succession Fruit ; presuming therefore that you will be pleased to take it into consideration ; & I trust that you will approve of the propriety of this building being erected & fit for use before winter. . . .”

Regarding Aiton's request Sir Henry Strachey eventually wrote on September 8th, 1806, to George Harrison (died 1841), Assistant Secretary to the Treasury Office† at the Treasury Chambers :—

“ Mr. Aiton His Majesty's Gardener at Kew and Kensington having represented to me that Certain works are wanted in those Gardens before Winter ; I have the honour to enclose for the Information of My Lords Commissioners of His Majesty's Treasury, his representation of the Particulars, which appear to me to be necessary, presuming that their Lordships will give Orders thereupon. . . .”

On December 9th, 1807, over a year later, Sir Henry Strachey again wrote to George Harrison at the Treasury Chambers about his previous request :—

“ Mr. Aiton has now represented to me that the said works are not yet done, and that unless they are executed as expeditiously as possible there will be a great deficiency in the Supply of Table Fruit for His Majesty's Use during the next year.”

The Hon. Henry Wellesley (1773-1847)†† wrote from the Treasury Chambers on December 31st, 1807, to Sir Henry Strachey :—

“ Having laid before the Lords Commissioners of His Majesty's Treasury your Letter of the 10th Inst. respecting the repairs and alterations wanted at Kew and Kensington Gardens.

I am commanded by their Lordships to acquaint you that they have directed Warrants to be prepared forthwith authorizing the works in Question.”

A new hot-house—called the Great Hot-house—was eventually erected in 1808 at a cost of £143 8s. 0d.

On September 25th, 1810, Aiton wrote to George Stone, Clerk of the Household, the Board of Green Cloth, about the deplorable state of decay of the old Pine-pit in which the pine-apples were grown. He goes on to say :—

“ . . . I trust therefore it will meet your Approval that this Hot-house may be rebuilt without delay, and I could wish it executed before the new Year. . . .”

George Stone, Clerk of the Household,§ wrote on September 28th, 1810, to George Harrison corroborating Aiton's representation of the Pine-pit's decayed state having inspected the building himself.

The new pinery was built in 1811 at a cost of £50.

Several transcripts of account books for Kew Botanic Garden kept during the early nineteenth century are preserved at the Public Records Office from which the above-mentioned correspondence



and contract were extracted. The following items have also been taken from these books. Officials and tradesmen have been identified by the aid of directories and other reference works of the period.

A great deal of loam was transported to the Gardens during the early nineteenth century, for Kew as we know it today was only just taking shape. Most of the loam came from barges belonging to Mrs. Martha Layton of Kew Bridge Wharf, Old Brentford. For lighterage of a barge of loam from Teddington on February 4th, 1804, she was paid £2 15s. 0d.

"Hot dung" was received by barge from Charles Hutchins, cowkeeper, of 13 Water Lane, near Fleet Street. On March 29th, 1807, a barge of hot dung was purchased for £6 7s. 6d. Horse dung was obtained from John Raban of Blackfriars at £8 8s. 0d. per barge.

Tan was also received by barge for "working the Old Pinery". Samuel Purkis, tanner, of New Brentford supplied 8,000 bushels in 1803 at a cost of £66 13s. 4d.

Matthew Bowden, basket-maker of Old Brentford, supplied baskets and bundles of osiers which were used to support plants in pots. Garden pots were bought from Mrs. Sarah Morris, potter, of Church Street, Deptford and tubs from Samuel Tunstall, cooper, of Old Brentford.

Barrows, brooms, implements, matts [= mats] and stationery were obtained from Hugh Ronald, nursery and seedsman, of New Brentford. On September 8th, 1801, 12 cedar pencils cost 6/- and an india rubber 1/6d.

Between 1801 and 1810 the various small bills were paid by William McNab, one of the Kew gardeners. Among the items were a pint of ink purchased for 8d. on March 26th, 1806, and 3 packing needles purchased for 6d. on March 19th, 1806. A Chinese gardener was placed under the care of McNab who paid the expenses of his board. On April 20th, 1803, "Fruit Trees for the Garden in China" were bought from Richard Chandler & Co. at a cost of £19 17s. 6d. Included in the bill was a packet of mustard and a packet of cress at 8/- each.

Many plants were bought from Lee & Kennedy, † nursery and seedsmen of Hammersmith and other leading horticultural firms of the period. Some were purchased from botanical collectors such as John Fraser (1750-1811) of Sloane Square, Chelsea and private individuals, such as Sir Joseph Banks who was George III's botanical adviser from 1772 until 1820. Items from Sir Joseph include:—

1802

- |          |   |
|----------|---|
| Sept. 17 | Large Case of Plants from<br>Sr J. Banks 5/-<br>Paid Porter 2/- |
| Sept. 23 | Basket of Plants from<br>Sr J. Banks 1/6d.<br>Paid Porter 9d.   |

For July 5th, 1805, is the following botanical item, "Mrs. Teesdale's Acct. For the Herbarium and a Collection of Plants, late Mr. Teesdale's, £25 . 5 ; Mr. Aiton took as much of the above Plants etc as amounted to £5 5s."

Robert Teesdale died at Turnham Green on December 25th, 1804. He was gardener at Castle Howard and afterwards seedsman in the Strand. The genus *Teesdalia* was named after him and he was the first to discover *Carex filiformis* in England in 1799.

Food must have been rather costly during this period through Britain's continuous war with France. During George III's visits to Windsor fruit was sent there by caravan from Kew for his own use. In 1810 the total expense for the carriage of fruit, which totalled 47 visits, amounted to £58 1s. 3½d., including toll fees.

An interesting sidelight of the period—kangaroos from Botany Bay—is shown in this letter to Sir Henry Strachey from Aiton dated December 20th, 1806 :—

"I have the honour to inform you that having received His Majesty's Command to convert into a Flower Garden the Paddocks of the Cottage in Richmond Pleasure Grounds, lately occupied by the Kangaroos from Botany Bay ; consisting of about three acres ; the same has been accordingly executed, and that the Expense thereby incurred merely for Labour, and which I have disbursed, amounts to Two hundred and forty-five pounds six shillings. Enclosed is a correct copy of the Weekly Account Kept by the Foreman of the Work."

The early nineteenth century was an important epoch in the history of Kew and a thorough search through newspapers and parish records of this period would reveal many more interesting facts. Much additional information can also be found in the MS Kew *Record Books*, 1793-1847, and the MS Kew *Inward Books*, 1805-1843. This account is not meant to be exhaustive, but merely to give some idea of what Kew was like during the time of William Townsend Aiton.

JOHN L. GILBERT.

\* According to the *Gentleman's Magazine*, vol. 63, 1793, William T. Aiton was appointed by the King to succeed his father as His Majesty's chief gardener at Kew in May, 1793.

\*\* Henry Strachey, afterwards Sir Henry, was Master of the Household, 1794 until 1810.

† George Harrison, afterwards Sir George, was Assistant Secretary to the Treasury from August 19th, 1805, until February 24th, 1826. He was the first person to hold this office.

†† The Hon. Henry Wellesley, later First Baron Cowley, was Secretary of the Treasury, 1807 until 1809, according to Doyle's *Official Baronage of England* (1886).

‡ James Lee (1754-1824) and John Kennedy (1759-1842). For further information see *James Lee and the Vineyard Nursery, Hammersmith*, by E. J. Willson, 1961.

§ The Master of the Household, Sir Henry Strachey, had recently died and his successor, William Kenrick, M.P., had not yet taken over.

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\* \* \*

POSITIONS TAKEN BY THE FIRST GROUP OF STUDENTS  
 COMPLETING THE THREE-YEAR COURSE

A. L. Barnes	Student, The Grotto, Institute of Parks Admin.
R. D. Bowen	Student, The Grotto, Institute of Parks Admin.
R. K. Edwards	Staff, Royal Botanic Gardens, Kew.
J. R. C. Endall	Student, Teachers' Training College, Bath.
C. E. B. Gordon	Student, Landscape Design Course, Newcastle Univ.
C. Hart	
P. M. D. Hitchin	Student, The Grotto.
B. F. Howard	Student, Teachers' Training College, Wolverhampton.
R. Ince	Student, The Grotto.
J. E. M. Jones	Technical Assistant, Slough Parks Department.
J. Mitchell	Technical Assistant, Willingdon Parks Department.
J. O'Connor	Student, Teachers' Training College, Wolverhampton.
D. Wadell	Staff, Younger Botanic Garden, Benmore.
P. E. Wilson	Staff, Royal Botanic Garden, Kew.

PREVIOUS POSITIONS OF STUDENTS ON THREE-YEAR COURSE

(The Course commenced October 3rd, 1966)

M. J. Alderson	Elm Garden Nurseries, Claygate, Surrey.
Miss S. P. Ash	Min. of Public Bld. and Works, Hyde Park, London.
A. J. Burgess	Manchester Corporation Parks Dept., Manchester.
A. Connell	Manchester Corporation Parks Dept., Manchester.
A. J. G. Esmonde	The Agric. Inst. Glasshouse Crops, Co. Dublin.
D. G. Evemy	Greater London Borough, Ealing, Parks Department.
P. A. Goodbury	Manchester Corporation Parks Dept., Manchester.
S. A. Goodyear	Technical Assistant, Hillingdon Parks Department.
C. Iles	Mr. and Mrs. Williams, Clarence House, Swindon, Wilts.
P. A. Ketley	Hazel Grove and Bramhall U.D.C. Parks Dept.
J. B. Lawrence	London Borough of Enfield Parks Department.
Miss J. Lee	Waterperry Hort. School, Wheatley, Oxford.
R. S. Mann	Southend-on-Sea Parks Department, Essex.
M. R. Norton	Royal Botanic Gardens, Kew.
M. J. Shorey	Birmingham Botanical Gardens, Edgbaston.
P. E. Styles	University of Bristol, Department of Botany.
P. C. Summerwell	Knaphill Nurseries, Woking.
T. M. Taylor	Royal Botanic Gardens, Kew.
M. J. Tucker	R. Tucker & Sons, The Nurseries, Faringdon, Berks.
W. P. R. Wickham	Royal Botanic Gardens, Kew.

## THE ROYAL BOTANIC GARDENS OF NEPAL

My secondment to the Ministry of Overseas Development took place in February, 1965, and I was sent to Nepal to take over the post of Colombo Plan Adviser to the recently formed Royal Botanical Gardens at Godavari, in the Kathmandu Valley. These gardens are situated approximately 10 miles to the South of Kathmandu on the extreme edge of the valley, at an altitude of 5,300 ft. To the N.W. there are superb views of the Himalayas, whilst behind and on the N.E. and S.W., rise the steep densely forested shoulders of Phulchoke. The summit of this mountain exceeds 9,000 ft. and upon its wooded slopes are a wealth of plants of a sub-tropical and warm temperate character. The rich flora of this area has provided a wealth of material for the Royal Botanical Gardens nestling at its foot. The majority of the orchids at Godavari were collected by the garden staff from the surrounding hills and the species which are represented include such well known horticultural treasures as *Pleione praecox*, *Cymbidium giganteum*, *Dendrobium densiflorum*, *Coelogyne cristata* and *Vandopsis undulata*. It is a constant joy to observe so many species known to me in cultivation, growing wild in such profusion. Every day of the year some plant or other is in flower, and even after exploring the many ridges of Phulchoke regularly for almost two years, I am still able to discover further botanical delights on each ascent.

Kathmandu enjoys an equable climate, the mean average for January being 50° F. and July 77° F. The maximum and minimum temperatures are 98.6° F. and 27° F., but at Godavari we are 900 ft. higher and these figures are slightly lower. The annual rainfall at Godavari is in the region of 75 inches, of which 60 inches fall in June, July and August, 10 inches in April, May and September and 5 inches during the period from October to March. These figures differ appreciably from those for Kathmandu, as the town is situated approximately in the centre of the Valley and thus often escapes the heavy rains that fall on the surrounding hills. Thin ice appears on puddles and the grass becomes white with frost during the nights of December and January, but neither of these phenomena last for long, once the sun rises. The relatively high winter mid-day temperatures make the cool nights seem colder than they actually are, as a sudden drop of 40° F. takes a little getting used to! These frosts do not adversely affect the natural vegetation, and the blossoms of such plants as *Luculia gratissima* and *Mahonia nepaulensis* are completely unharmed by them.

Several mountain streams give an adequate supply of water to the Gardens even throughout the long dry season. This is due to the fact that they are mostly of subterranean origin. The soil is a medium loam (pH 6.3), and is generally easily worked once cleared of the innumerable small rocks which it contains. There is an abundance of cockchafers and the difficulty of obtaining soil insecticides makes control of this pest a great problem. We found it necessary to grow up to 25% more bedding plants than are really needed in order to have sufficient spares for "gapping up".

The Gardens were commenced in 1961 and the official Royal opening ceremony took place in November of 1962. Dr. Herklots the first adviser had the task of selecting the actual location of the Gardens and planned their initial development. Upon arrival I found that there were already very sound foundations to work upon. A growing house, a fernery, an orchid house, and a decorative house were already in operation, in addition to a well planned potting shed, laboratory and small library. The number of glass-houses has since been increased. The existing garden features included a formal rose garden, summer houses, lily pools, a rock garden, and a pergola. A large area of strip beds had been cultivated on three terraces and used for growing a variety of annual and perennial decorative plants. This particular part of the Gardens proves to be the most popular with the Nepalese visitors, for they are great lovers of flowers, especially when they are displayed "en masse".

Despite a rich local flora I have discovered there are difficulties in building up a selective collection of plants within a short period. Soon after my arrival we started work on a collection of Rosaceae. To begin with this was a simple matter, for it was only necessary to cut out the non-rosaceous material from the chosen area, and to leave such specimens as *Pyrus pashia*, *Pyracantha crenulata*, *Rubus ellipticus* and *Prinsepia utilis* to form the basis of the collection. We have since added local collections of *Prunus cerasoides*, *P. cerasoides* var. *rubra*, *Eriobotrya elliptica*, *Stranvaesia nussia*, and one or two *Spiraea* and *Cotoneaster* spp. as well as a couple of aliens such as *Prunus persica* and *Prunus glandulosa*. It will be necessary to increase the collections by importing seed, as only a limited number can be supplied by Indian nurserymen. The Monsoon season is generally the best time for transplanting and we have obtained very encouraging results from moving fairly large plants from the surrounding hillsides down into the Gardens. Especially good results were obtained with *Rhododendron arboreum*, *Cydonia ovalifolia*, *Pieris formosa*, *Viburnum erubescens*, *V. cylindricum*, *V. stellulatum*, *Mahonia nepaulensis* and *Berberis asiaticus*. Transplanted in mid June, the disturbed specimens have three months of consistently wet weather in which to re-establish themselves and with pruning, the results are very good.

Bulbous and rhizomatous plants thrive and we decided to build up a collection of Amaryllidaceae, Liliaceae and Iridaceae. This we made on a raised bed system. A small bog garden has also been constructed by an area of shallow water. The hillside rising steeply above the N.E. side of the Garden has been set aside for the establishment of the Pinetum. This site has been selected on account of the natural scattered stand of *Pinus wallichii* upon its slopes and it is hoped that early in the next Monsoon the planting of a trial area will be possible. True alpiners cannot be grown at Godavari as the climate is virtually sub-tropical, but Mexican succulents and South African composites thrive and with the addition of several locally collected species such as *Anaphalis*

*tripleinervis*, *Bergenia ligulata*, and a few *Chlorophytum spp.* We have managed to create an interesting feature that is of considerable appeal to even the non-botanically inclined visitors.

To advise on the complete development of a 60-acre botanical garden in the short space of two years is of course an impossibility. How long for instance will it be before the avenue of *Cupressus cashmiriana* frames the 26,000 ft. Anapurna range, 120 miles away, to the north west of the Gardens? All things considered this has proved to be an exciting, challenging, and absorbing tour of duty, but naturally it is not without its drawbacks—the eleven miles of unsurfaced road into Kathmandu and the seasonal visits of leopards being but two. However with views of the Himalayas from one's sitting room window and with such species as *Daphne papyracea*, *Viburnum stellulatum* and *Mahonia nepaulensis* wild in my front garden such disadvantages are easily outweighed.

A. D. SCHILLING.

## NOTES AND GLEANINGS

### AWARDS

The following awards have been made by Her Majesty the Queen :—

The I.S.O. to Dr. F. N. Howes (Kew) in the New Year Honours List, 1966.

The O.B.E. to Dr. C. R. Metcalfe (Kew) in the Birthday Honours List, 1966.

The I.S.O. to E. Milne-Redhead (Kew) in the New Year Honours List, 1967.

P. H. Bridgeman (1964) was awarded the A. H. Whyte Memorial Trophy by the Burlingham Old Students' Association. It was presented at the Annual Prize Day at the Burlingham Horticultural Station. Whilst at Burlingham he was top student in practical work. In 1965 he was awarded the N.D.H. (Parks Section) and the Int.Dip. of the Inst.P.A.

G. G. Cook (1945) was presented with the Medal of Honour by the town of Albert, France.

A. J. Fordham (1937). Propagator at the Arnold Arboretum, was one of the five persons to receive a special award citation at the annual meeting of the Massachusetts Society. He was awarded the Jackson Dawson Medal "for following in the footsteps of famous propagators at the Arnold Arboretum and doing so much to maintain the high standards set by them years ago, in this often difficult and sometimes perplexing art".

J. B. Gaggini (1963) was awarded the Bowles Memorial Travel Scholarship for 1966 by the Royal Horticultural Society.

Miss Mary Grierson (Kew) was awarded a Gold Medal by the Royal Horticultural Society for her exhibition of Botanical Art at the late Autumn Show, November 8th and 9th.

J. O'Connor (1966) was awarded the Frank Kingdon-Ward prize for 1965.

G. Preston (Kew), Assistant Curator, has been awarded the Lyttel Lily Cup. This was presented at the annual dinner of the Royal Horticultural Society Lily Group by the Vice-Chairman of the Lily Committee, Oliver Wyatt. The Cup is awarded annually for outstanding work for the encouragement of the cultivation of the genus *Lilium*, *Nomocharis* or *Fritillaria*.

#### EXAMINATION SUCCESSES

Mrs. B. Christopher (Kew until December, 1966) passed the first part of the Museums Association Diploma.

D. N. Pegler (Kew) awarded a M.Sc. degree by the University of London.

E. V. H. Rolls (1948) passed the Final and was elected an Associate of the Institute of Landscape Architects in 1965.

#### CERTIFICATE IN ARBORICULTURE :—

J. O'Connor (1966).

A. H. Balfour (Kew).

M. R. Cudd (Kew).

J. E. M. Jones (1966).

P. Hitchin (1966).

#### DIPLOMA OF THE INSTITUTE OF PARKS AND RECREATION

##### ADMINISTRATION :—

##### Final :—

G. J. Leaver (1963).

K. M. Fellows (1963).

G. A. Cook (1962).

F. A. Overland (1965).

A. J. Rose (1963).

B. J. Salter (1964).

D. H. Moore (1956) passed in 1964. He was the first candidate to sit for the examination outside of the United Kingdom.

#### NATIONAL DIPLOMA OF HORTICULTURE, 1966 :—

##### Final—Fruit Crop Husbandry—Section III :—

T. D. Harvey (1958).

##### Final—Horticulture in Public Parks—Section V :—

B. E. Lowe (1961).

#### KEW STAFF

L. Forman was promoted to the acting rank of Principal Scientific Officer in January, 1966.

D. R. Hunt, Scientific Officer, Herbarium, took part in the Royal Society/Royal Geographical Society Expedition to Mid-West Brazil. The chief purpose of the expedition was to examine possi-

bilitates for a programme of biological research in co-operation with the Brazilian authorities, along the route of a new road planned to connect the federal capital Brasilia with the Amazonian City, Manaus, of which the first 300 km. was constructed by March, 1966. Kew's participation in this three-man reconnaissance expedition, regarded by the R.G.S. as its most important this year, was made possible by funds bequeathed to the Bentham-Moxon Trust by the late Mr. N. Y. Sandwith.

P. F. Hunt was promoted to the acting rank of Senior Scientific Officer, Herbarium, on 1st January, 1966.

C. Jeffrey, Herbarium, paid an official visit to Leningrad in October.

R. M. Polhill has been appointed Joint Editor of the "Flora of Tropical East Africa" to fill the vacancy caused by the retirement of Dr. C. E. Hubbard.

T. Reynolds took up his appointment in July, 1966, as a Senior Scientific Officer in the Physiology Section of the Jodrell Laboratory. He was formerly with the Brewing Industry Research Foundation at Nuffield and he is mainly interested in biochemistry.

R. L. Shaw, Assistant Curator at Wakehurst Place, was appointed Curator of Kew, from 1st June, 1966.

A. D. Schilling has been appointed Assistant Curator, Wakehurst, and took up his duties on 1st February, 1967.

The Director, Sir George Taylor, visited Leningrad, U.S.S.R., in late September to attend the Executive Committee of I.U.B.S. on which he represents the Division of Botany. In October Sir George visited the U.S.A. where he attended a meeting of the visiting committee of the Arnold Arboretum. He also visited the Bailey Hortorium, Ithaca, New York.

Dr. P. A. Thompson, Jodrell Laboratory, spent several weeks in the U.S.A. in the Autumn. The main object of his visit was to work with Dr. H. A. Borthwick of the U.S. Department of Agriculture at Beltsville, Maryland. He also called at a number of other plant physiological laboratories in the Eastern U.S.A.

### VISITORS TO KEW

The Botanical Society of the British Isles held its A.G.M. in the Lecture Theatre on 23rd April with the then President, the late Dr. E. F. Warburg in the chair and over 90 members present. In addition, some interesting papers were read and the Jodrell Laboratory was visited. On the following morning members were shown round the Herbarium and in the afternoon they toured the Gardens.

A party of 20-25 students and lecturers from the London College of Education visited the Jodrell Laboratory on 3rd May under the auspices of the British Association. They were also shown exhibits in the Museums.



The Danish Minister of Agriculture, Mr. Thomsen, accompanied by his wife, daughter and members of his staff, visited Kew on 8th July.

E. V. Wray (1948) staged an exhibit of photographs entitled "Horticulture in Schools" in the Jodrell Laboratory at Kew on 24th-27th August. Thus it was visited by Kewites attending the A.G.M. of the Guild. The exhibition showed the important place which horticulture has in present day education. The exhibition was particularly helpful to students who were contemplating teaching in schools. We thank the Lindsey Education Committee, the Headmaster of Huntcliffe Secondary School, Kirton Lindsey, and Mr. Wray for a very interesting and worthwhile exhibit.

His Majesty Gustav VI Adolf, King of Sweden, visited Kew on 8th November.

Three Christmas Lectures which were open to the public were held in the Jodrell Lecture Theatre:—

28th December "A Botanist in the Solomon Islands", by  
P. F. Hunt.

29th December "The origin of garden plants", by Dr.  
Keith Jones.

2nd January "Travels in Brazil", by D. R. Hunt.

#### HOME APPOINTMENTS

P. T. Bridgeman (1962), who is in the N.A.A.S., has moved from Rosewarne Experimental Station to the East Sussex area.

Mrs. B. Christopher, Exhibition Officer, who has worked at the Museums since 1960, resigned on 31st December, to take up an appointment with the Hancock Museum, Newcastle. She is to be concerned with the encouragement of nature-study in the north-eastern region.

R. F. Deans (1964) is now Gardens Superintendent of the National College of Agricultural Engineers, Silsoe, Bedfordshire, taking the post recently vacated by J. B. Gaggini (1963).

C. Duncan (1965) moved back North of the Border in December and is now Landscape Assistant with the East Kilbride Development Corporation.

S. D. Hitt (1955) is now Chief Assistant in the Parks, Cemeteries and Allotments Department, of the City of Bath Corporation.

R. T. Kerr (1959) took up his duties as Superintendent of Bexhill on 11th July. He was formally Deputy Parks Superintendent at Southampton. He is an old student of the College of Park Administration at the Grotto.

M. K. Lee (1965) is now Technical Assistant with the Northumberland County Education Committee in the School Grounds Department.

H. M. Lingard (1948) commenced in July as Head Gardener at Ashridge College, Berkhamstead, Herts.

D. J. Pearson (1965) is now working for Durham County Council Playing Fields section. He finds the work very interesting.

A. J. Porter (1959), who is on the staff of the Cheshire School of Agriculture at Roseheath, Nantwich, Cheshire, has taken over responsibility for the nursery. He is also instructing the City and Guilds Stage 11 Nursery Practice Course.

A. J. Rose (1963) is a Professional Officer "A" with the Greater London Council. (See also awards).

C. E. T. Shepherd (1955) has returned to England from N. Rhodesia and is Head Gardener or Section Manager at Cadbury Brothers, Ltd. He states that he found the gardens and grounds in very good condition. With approximately 10,000 employees at Bournville, nearly every sport is catered for. (For an early account of the Gardens at Bournville, see p. 685, *K.G.J.*, 1927).

D. T. M. Storer (1959) was appointed in July as Deputy Parks Superintendent to Whitley Bay Borough Council, Northumberland.

J. P. Tregear (1955) has taken the post of Scientific Assistant at the Efford Experimental Station — Ministry of Agriculture, Fisheries and Food.

M. Tyas (1963) took the post of Deputy Curator of the University of Birmingham Botanic Garden at Winterbourne in February.

R. C. Ward (1963) is now employed by the Richmond-upon-Thames Council as a Technical Assistant.

### HOME NEWS

Mrs. L. Alcock (1918) wrote in recently: "It is a very great pleasure to receive a letter from Kew where I spent such happy years. It remains in my affection as the best loved place I know—may the best of good fortune attend it always. I lived in the Gardens for many years and I remember during the First World War the Garden constables would shout to my four children, 'Come down out of them trees, the public is coming in now!'" Mrs. Alcock is 92 years of age.

W. Corbett (1925) retired in September, 1966. He has been connected with horticultural training at Swanley for 36 years, throughout the life of the present Institute and before, when it was known as the Swanley Horticultural College for women. In 1946 Corbett, who was in charge of the Glasshouse Experimental Station, became Principal of the Swanley Horticultural Institute and for three years took part in the Government Trainee Scheme. He still continued as Principal when the Institute was taken over by the Kent County Council and he held this post until the Kent Horticultural Institute and Farm Institute amalgamated in 1958, when he became Head of Extra-Mural Horticultural Education in Kent.

Corbett has had many local interests apart from horticulture. He is a member of the Dartford Hospital Management Committee

and expects this work to take up an increasing amount of time. He has always taken much interest in golf, having been Captain of his club, and having given up the Chairmanship of the Club a year ago after 11 years. He hopes to be able to play more golf now he has retired.

Like so many Old Kewites, Corbett has many amusing stories of Kew. We hope that he will excuse us in quoting this one—“Jock Coutts (who was then Assistant Curator, Decorative Department) seeing C. P. Raffill (Assistant Curator, Temperate Department) disappearing from the door at the opposite end of No. 4 to which he was coming in remarked—‘What’s that b . . . man doing in here? Next time he comes, tell him to get his own labels properly written’. C. P. R. was renowned for going into other departments and criticising the labelling.” They were both great personalities and great plantsmen.

J. E. Elsley (1964) is engaged on a three-year course at Leicester University for a B.Sc.(Hons.) in Botany. During his first year he read Botany with two supplementary subjects, Geology and Zoology. For the second year he is continuing with one supplementary subject, Zoology. For the final year this is reduced to Botany. With his athletic pursuits as an addition he is finding life very full.

J. Endall (1966) is engaged on a two-year course at the Teachers’ Training College, Bath. His wife (Miss S. J. Willsher) who was a Scientific Assistant in the Herbarium (see Wedding Bells) has taken up an appointment with the new University of Bath, where she has been asked to start an Herbarium.

As announced in the Awards Section, J. B. Gaggini (1963) gained the Bowles Memorial Travel Scholarship for 1966. Gaggini sent in quite a detailed account of his most extensive journeys in Canada and the United States but unfortunately space will not allow us to publish this in its complete form. He has however kindly agreed to a considerable reduction as below :—

“Early in 1966 it was my fortune to be awarded the Bowles Memorial Travel Scholarship by the Royal Horticultural Society. On 21st June I flew to North America. The object of my visit was to study tree and shrub production methods, with particular emphasis on mechanisation in the various facets of production, the study of different techniques, the use of manpower, and the relative economics of the various systems. My tour covered nearly 20,000 miles within the States and included a large number of nurseries, botanical gardens, arboretums, universities, and research stations.

In Hamilton (Canada), L. Laking (1941), Director of the Royal Botanic Gardens, kindly showed me around the arboretum and trial grounds. At Sheridons Nursery (the largest in Canada of 1,200 acres), I met A. E. Brown, a Kewite aged 83 who was still working in the design office. After attending the World Horticultural Congress, it was my great pleasure to be entertained by Mike and

Tina Dodge (both 1964), and Patrick Nutt and his family. Also I met G. H. Pring (1906) at the Congress. At Cleveland, Ohio, I spent a few happy days with Howard Swift (1937) and his wife. We visited several nurseries in the Painsville area. When I left Montreal on 21st October my journeys were almost at an end—it was a memorable trip which I will cherish for many years to come.”

We wish Gaggini success in his new post as Horticultural Adviser under the N.A.A.S. He is based at Elgin, 138 London Road, Guildford.

C. E. B. Gordon (1966) has written recently. He is enjoying the Landscape Course at Newcastle University and finds the instruction very good.

J. Kerr (1960) is married (see *Wedding Bells*) and is happily settled in a new home. He is Forestry Officer for the Banstead Urban District Council.

A. E. Oliver (1902) is now 88 years of age. He wrote in early December—“I am going on a world cruise for the winter and will not be back until the end of April”.

C. Popham (1964) has been promoted to Head Gardener at the University of Essex, Wivenhoe Park. It is good that a Kewite is leading the horticultural activities in this vast and exciting undertaking. With his wife (Miss Hyde Trutch, 1964) and his two children he is very happy in his work.

Sir Edward Salisbury, Director of Kew 1943-56, a former Guild President, was 80 years of age on 16th April, 1966.

J. W. Sparrow (1919) is Head Gardener at The Manor House, Telscombe, which he describes as—“a quiet little village tucked away in the folds of the Sussex Downs, about two miles from Peace Haven”.

Mrs. T. A. Sprague (1946), who as Miss M. L. Green compiled “*Index Kewensis*” for many years, celebrated her 80th birthday on 27th November, 1966.

J. F. Strabel (1958) wrote in recently—“the Kewite colony here in Hull has remained at a fairly constant strength but the membership has seen some comings and goings”. The position in November was: N. C. Hickman (1961), Nursery Manager; H. Bell (1963), Technical Assistant (moved from Ministry of Works); J. F. Strabel (1958), Chief Technical Assistant.

B. Dodds (1961) has married. He left Hull to work in Newcastle with the City Architect's Department, as an Assistant Landscape Architect.

R. Trewinnard (1964) was at Hull for twelve months but he has married and now works as Landscape Technical Assistant to Cumbernauld Development Corporation, near Glasgow.

T. A. Summerfield (1902) wrote an interesting letter recently. He stated that it was considered worthwhile for students at Kew to visit Covent Garden Market in the early morning to watch the activities. He described how he set out with E. Brown (1903) and

walked the whole distance, arriving at about 4 a.m. The return journey was made by tube and train, via Shepherds Bush, arriving in time to clock in at 9 a.m.

B. G. Thames (1961) started on the first-year course in Rural Science at Newton Park College, Bath, in September.

#### APPOINTMENTS ABROAD

D. A. Brown (1950) has been appointed as Assistant Director (Horticulture) of New York Botanical Gardens, Bronx Park.

T. H. Everett (1927), our President 1966/67, is now Senior Curator of Education at the New York Botanical Garden.

C. J. Giles (1962) has joined the Ministry of Buildings and Public Works as Consultant and Adviser in the Middle East Region. His work will take him to Aden, the Persian Gulf and East Africa.

A. J. Hitchcock (1960) went as Horticultural Officer to the University of Zambia in January, 1967. The post entails responsibility for the landscaping and planting of the new 600-acre campus. A nursery is to be established for the build up of a plant collection for the future National Botanic Gardens. Hitchcock was Horticultural Assistant to the City of Exeter, and thus shared in the praises which have been showered on this department following the national "Britain in Bloom" award to the City.

J. J. D. Low (1961), now Assistant Superintendent of Parks and Reserves at Napier, New Zealand, was commissioned in 1966 to design a frontage for a "Marineland" at Napier, the first of its kind in New Zealand. His design was accepted after two other entries had been rejected. The plan includes a screen wall showing stylised marine designs, including ten, five-foot-square coloured mosaics. The mosaics are to be assembled in Japan and it was hoped that the wall would be erected by Christmas, 1966. Low has designed a "futuristic" clock tower to be erected in Napier and has in addition carried out several landscaping schemes.

Miss E. Parkin (1959) was on leave during the summer and attended the A.G.M. and tea. She is now Greenhouse supervisor with the Wascana Centre Authority, Regina, Saskatchewan.

J. Redman (1941) is now Superintendent of the Royal Botanic Gardens, Hamilton, Canada.

J. Thomas (1946) is Assistant Superintendent of the Royal Botanic Gardens, Sydney, N.S.W., Australia.

J. Winter (1964) is now Principal Horticulturist with the Parks and Recreation Department of Pretoria. He wrote: "After leaving Kew I spent a year on the 'Queen Elizabeth' and then returned to South Africa. There was very little horticultural experience to be gained on board but it was well worth it when I think of all the countries I managed to see. Our problem in Pretoria is the shortage of water which is very serious indeed. We may have to redesign our parks to avoid the use of annuals which require so much water out here. In this way we could make more use of our indigenous plants."

## NEWS FROM ABROAD

W. Dunnenberger (1959) has written that he arrived home in Switzerland at the end of 1964 after a long stay in South America during his journey from New Zealand.

A. Geddes (1961) wrote in recently from Titirani, Auckland, New Zealand—"Jan, myself and daughter are in very good health. We have a new home in the bush, a nursery and a very progressive landscape business. Settled as you might say!"

K. M. Lycett (1960) has had many interesting and exciting adventures. Many will remember that he took a teaching post in Zambia (*K.G.J.*, 1965, p. 550). We can do no better than to quote from his letter: "I canoed last Easter from the Angola border to Barotseland, taking ten days food supply and travelling in an open dug-out canoe to Mongu. It was a wonderful trip. Some nights we slept in the villages, but on others, with the paddlers, I built a fire and slept under the stars. We had troubles with hippopotomi and with dangerous currents and rapids but nevertheless got through".

Later his letter describes a journey across part of the vast 8,000 square miles Barotse plain, and an interesting audience which he had with the Chief of the Lozi—The Litunga at his summer palace. Another journey took Lycett to the Congo and Angola where he botanised even to the Lualaba river. He describes the very exciting times which he had on his return journey: "Returning through the Congo I was arrested and gaoled as they were convinced that I was a mercenary. Later I was released from the Surété H.Q., but was shot at as I boarded the moving train at Elizabethville. I hid near the border before crossing after dark". Another trip was to Rhodesia and Mozambique.

W. H. Patterson (1901) is almost 95 and is in good health. He will be long remembered for his fine work at Namirembe Cathedral, Nairobi. (Refer to *K.G.J.* No. LXVIII (1963) p. 299).

Mrs. M. C. Smith (Cowell), who is with the Agrimony Department, University of New England, Armidale, N.S.W., Australia, wrote in May and described an Easter trip to Brisbane, where with her family she visited Brisbane Botanical Gardens. There she wrote were a riot of colour with pools of tropical Nymphaeas, borders of Acalyphas, and masses of Cassias, Caesalpinias and Bauhinias in flower. There were also some gorgeous African trees such as *Colcillea racemosa* and *Spathodea campanulata*. She describes the climate of Armidale, which is high and dry, as comparatively cold and made the point that many Australian plants will not stand the frost which is experienced in the locality. The range of garden plants in this area is very similar to that found in an English garden with the hardier native plants in addition, such as *Acacia baileyana*, *Callistemons*, and some of the *Grevilleas*.

K. R. Woolliams (1963) from Bermuda has recently been on leave in the United States. He was able to look up J. A. Semple (1923) in a tour which included San Francisco where he visited

the Golden Gate Park, originally laid out by a Kewite. Woolliams found a high standard in the parks and landscapes in Vancouver. Upon his return to Bermuda he found that there had been a wet July with the result that growth was rewarding. (Could somebody help us?—(Is this the Mr. Maclaren mentioned on p. 490, *K.G.J.* 1927, and was he a Kewite? It would have been before 1887.—Ed.).

## RETIREMENTS

T. E. Clark (1933) has retired from the position of Director of Parks to the County of Bolton.

E. C. W. Cooper (1925) has retired from the Jescot Nurseries. He has a nice house with two acres of garden and intends to devote his time to attempting to raise new dahlias. Mr. Cooper mentioned in a recent letter that he was sub-foreman of the tropical department when the late L. Stenning entered Kew as a student.

J. E. Dandy (1927) retired as Keeper of the Department of Botany in the British Museum (Natural History) on 1st October. He is continuing with his work on Magnoliaceae. His most recent address is Rowans, Grove Road, Tring, Herts.

A. J. Hopkins (1926) who retired from the post of Superintendent of the University of Leicester Botanic Garden is now living in a bungalow which he has had built in Somerset. We wish him many happy years of retirement.

Dr. F. N. Howes, Keeper of Museums, retired on 10th November, 1966, on the age limit, having completed over forty years at Kew. He had previously been engaged in botanical work in South Africa and Ghana. In his earlier years at Kew he worked under the late William Dallimore. His work over the years has been mainly concerned with economic plants and economic botany. During 1927-28 he visited various Eastern countries in connection with work on bananas, including Thailand, Malaya, Indonesia, Burma, India and Ceylon. He has published numerous papers in scientific and other journals and is the author of four books, viz. "Vegetable Tanning Materials", "Vegetable Gums and Resins", "Nuts—their production and everyday uses" and "Plants and Beekeeping".

Dr. Howes, who was awarded the Imperial Service Order in 1966, apparently has no intention of being idle during his retirement for he has accepted a part-time post with an international journal. This involves writing works in certain fields of applied botany: work he can do largely at home with periodical visits to London libraries.

Dr. and Mrs. Howes propose to remain in the Kew area, at least for the time being. They have our best wishes for their retirement.

C. Jones (1923) has "retired" (we can never believe this one!). He left the staff of Robert Wilson & Sons, Ltd., where he had been Garden Superintendent since 1962 (see p. 389, *K.G.J.* 1964), in May, 1966, and he intends to move down to Harrogate.

## OBITUARIES

## W. E. MARRIOTT

“ A wonderful and lovable old man, Mr. W. E. Marriott, who left a mark of beauty with the avenue of plane trees in the Pietermaritzburg Botanic Gardens, died last week.

The stone in the little bell structure at the bottom end of the avenue reads, simply, ‘ This avenue was planted by Mr. W. E. Marriott (Curator) on 8th November, 1908, at the suggestion of Sir Nathan, last Governor of Natal ’.

Behind that bald statement lies the life of a man who loved the things of nature and cared for them till he died.”



Thus opened the obituary of this fine old Kewite as it appeared in the *Natal Mercury* on Wednesday July 14th, 1965. He died on July 3rd. Born in 1880 he was almost 85 years old.

In his boyhood Marriott developed his life-long love for nature as he grew up in the country, on the estates of Lord Bray near Rugby in England where his father was manager. Marriott left Kew in 1904 and journeyed to South Africa to join his brother who was farming at Thaba Nehu. Later he gave up farming to accept a post as Curator of the Botanic Gardens at Pietermaritzburg, where he succeeded A. Hislop, a Kewite. He married Miss J. Baxter of Benvie, York, in 1910. He saw service in the 1914-18 war in South-West Africa and in France, after which he farmed at Benmore Avocado Farm, which is now Glenmore Estate, near Durban. He retired in 1950.

To quote again—“ I was privileged to know William Marriott a little during the last year of his life. His eager, almost boyish enthusiasm in this, his 85th year, for a new bird, for an unusual flower, for the off-conformation of a petal was something to be loved and envied by people of a younger generation ”.

We send our sincere sympathies to his son Mr. E. B. Marriott and his daughter, Mrs. J. H. de Villiers.

(We thank the Editor of the *Natal Witness* for permission to use the photograph. We also thank the Editor of the *Natal Witness* for permission to quote from their article.)



## C. A. CANN

Mr. Cedric Albern Cann, Superintendent of Parks to Chorley Corporation, died suddenly in September, 1966, after a short illness. He was aged 56.

Cann was born in Bovey Tracey, Devonshire and after a secondary education he began his horticultural career under his father. His early studies led to his success in the R.H.S. Senior Certificate, the N.D.H., and in the R.H.S. Teachers' Examination. He was also successful in the written section of the Inst. of P. Admin.(Inc.) and he was a Fellow of this Institute.



At Kew, as a student gardener (1935-37) he served in the tropical and decorative departments and was awarded the Dümmer Memorial and the Matilda Smith Memorial Prizes. Prior to his entry into Kew he served in the University Botanic Gardens at Oxford.

He left Kew for a position under Fleetwood Corporation and a year later he was appointed as Deputy Superintendent. He also lectured in horticulture in Blackpool and was on the panel of lecturers in the "Dig for Victory" campaign. His appointment as Chorley Parks Superintendent 24 years ago was a joint one with Mrs. Cann, who is in charge of the hall, with its museum, and is responsible for its interior maintenance.

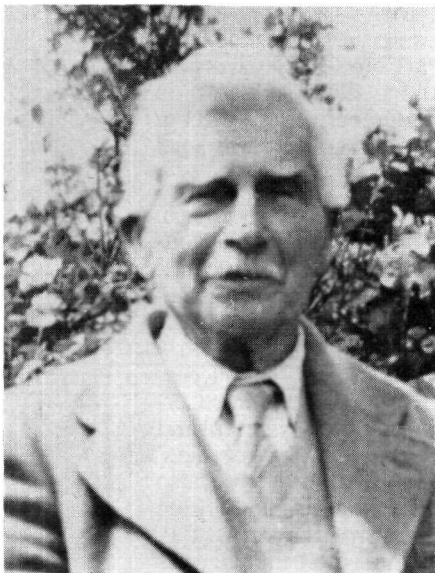
In a tribute, the Mayor of Chorley, Councillor G. F. Jones said that by his work Mr. Cann carried on God's work in creating beauty in nature—"He was a true and faithful servant of the Council".—Mrs. C. M. Monks, Chairman of the Parks Committee wrote—"He devoted his whole life to the care of parks and open spaces in Chorley".

We close this fine record of service and devotion with a few words from a letter his daughter sent us — "Flower-beds have appeared on spare pieces of land, and floral islands in the middle of the main A6 road have given colour and beauty to Chorley for many weeks during the summer".

We send our sincere sympathies to his wife, Winifred Grace, to his daughter Eileen and to his son Austin.

## G. H. CAVE

In the last *Journal* we recorded the death of George H. Cave in the Spring of 1965 in Worcestershire, at the age of 95. Thus a link with the early *Cinchona* industry is broken, for Cave followed such Kewite pioneers as J. E. Gammie, who worked in the Sikkim over a hundred years ago.



Cave entered Kew in 1894 from Studely Castle, Warwickshire, and left in 1896, when he was appointed as Assistant on the staff of the Royal Botanic Gardens at Calcutta. He found the Kewites, H. J. Davies (1894) and G. T. Lane (1891) were already there, the latter being Curator. Reference to the early *Journals* show how keen he was on Kew, and that he frequently corresponded with the Editor of the *Journal*—e.g. 1897, p. 12; 1898, p. 15; and 1899, p. 17. In 1900 he was moved to the Government *Cinchona* Plantations at Mungpoo—1900, p. 26—a position which he held for four years before taking the Curator's post at the Lloyd Botanic Garden, Darjeeling. He remained at this station for 24 years and during this period, in addition to keeping the gardens in first class condition he made plant collecting trips into Nepal, Sikkim and other places. From his collection he established a large herbarium. Undoubtedly his love for this work stemmed from his British Botany collection—he was proud of this and took it out to India with him.

His knowledge of the country was such that he was said to have known more about the people and culture than any other European. He could speak several dialects of Tibetans and Bhutanese. His journeys into Tibet took him up to 22,000 ft., and he located many *Rhododendrons*, *Primulas* and *Orchids*. Some of his work is referred to in the *Records of the Botanic Survey of India* (Vol. IV, No. 5, Vol. VI, Nos. 2 and 4), published by the Calcutta Supt. Gov. Printing, India, 1911 and 1913.

He was a volunteer in the North Bengal Mounted Rifles and was decorated with their long service medal (25 years). A story which was told of him is that he successfully defied Kitchener (afterwards Lord Kitchener), who had instructed him to transplant

a number of adult trees "in order to make a jungle for practice purposes".

His distinguished services were widely recognised—he received a Tibetan tea-cup from the "Dalai Lama" as a token of gratitude and after his retirement to this country in 1925 he was awarded the M.B.E. His wife, Katherine, died at the age of 75 in 1946. For 48 years she had been his companion, for he married in Calcutta in 1898 (1898, p. 35). At the suggestion of his elder son, G. B. H. Cave, who kindly supplied much of this data, he revisited India and taking his camping equipment, he even crossed the Tista river into Malaya—he was then aged 75.

We send our sincere sympathies to his three sons, George, Ralph and Jonathan.

#### H. M. BLANCHE

The sudden death of this distinguished Old Kewite came as a great shock to his family and friends. It occurred at lunch in Peoria, Illinois, on December 5th 1965, at age 80. Only a short time before I had received a cheery letter in which he expressed interest in things for the future.

On leaving Kew in September, 1909, he arrived in the United States shortly after and obtained a responsible position on the famous "Greystone" estate at Yonkers, N.Y. He attended night classes in the High School and acquired enough points of credit to be accepted as a student at Cornell University, Ithaca, N.Y., in 1916, graduating in 1920, despite the loss of a year from studies doing military service. Blanche made a good record on the "Varsity" soccer team as well as in the Field of Landscape Architecture.

After graduation he became associated with the famous Landscape firm of Olmstead Bros., working from Boston, Mass. In 1925 Blanche was appointed Chief Forester of the Finger Lakes State Parks Commission, with headquarters at Ithaca. This position he filled with marked distinction, retiring in 1955, as Superintendent and Landscape Architect. He then went to live in Dunedin, Florida, taking up the culture of camellias as a hobby and maintaining a show garden admired by all who passed by.

His last two years were spent in Peoria, Illinois. He is survived by his wife (who served as a nurse in England in World War I), two daughters and four grandchildren. Blanche was a charter member of the American Society of Landscape Architects and a Past President of the New York Chapter. His affection for Kew and what it stood for remained strong throughout his life.

H. E. DOWNER (1912).

## N. Y. SANDWITH

Noel Yvri Sandwith, who died suddenly and unexpectedly on May 7th, 1965, was one of Kew's more distinguished sons. Born at Harworth, in Nottinghamshire on September 8th, 1901, the son of a country parson, he was orphaned at an early age. His mother having moved to Bristol, Sandwith spent his formative years at Clifton College and afterwards took a degree in classics at Keble College, Oxford. Although he received very little instruction in academic botany he was a naturalist by inclination and as schoolboy distinguished himself by discovering *Scorzonera humilis* in Dorset, the first record of the plant for Britain.



(Photo F. Ballard)

He was encouraged and stimulated in his field studies by his mother, who was, herself, a keen collector and later on by Dr. G. Claridge Druce of Oxford and J. W. White of Bristol.

He joined the Kew Herbarium staff in a temporary capacity in 1924 and under the tutelage of the late Dr. T. A. Sprague developed an enthusiasm for American plants which remained with him throughout his career. His extensive knowledge of the Bignoniaceae of the American tropics earned for him a high reputation in the taxonomic world and his critical judgment on plant specimens was frequently in demand.

Sandwith was no arm-chair botanist but knew his plants as living organisms and probably collected and studied more plants in the field than most of his contemporaries. It has been estimated that he is represented in the Kew Herbarium by about 10,000 specimens. Apart from his collections made in Britain he had travelled widely in search of plants. With the Rev. E. Ellman he made collections in Spain and the Eastern Pyrenees in 1926 and 1928. In 1929 he was a member of the Oxford University Expedition to British Guiana. He became a permanent member of the staff in 1934 and in the same year joined a collecting expedition to the Athos Peninsula in Greece in company with Sir Arthur Hill, at that time director of Kew, and the late Dr. W. B. Turrell.

With his friend, the late A. H. G. Alston, he collected in Southern Albania in 1933 and 1935, visiting areas almost untouched

by botanical collectors. On these two trips he collected 1,570 numbers of plants. The year 1938 saw him again in British Guiana, this time as a botanical member of an entomological expedition organised by the Imperial College of Science. On his return journey he visited Trinidad and Tobago and altogether collected about 1,000 specimens. In March and April of 1939 he collaborated with N. D. Simpson in a collecting expedition by car across Libya.

The onset of war somewhat limited his collecting activities and in 1942 he was seconded to the Foreign Office, mainly because of his knowledge of modern Greek and Spanish. He returned to Kew in 1945. Apart from the collecting trips already mentioned, he had visited other parts of the Europe including Greek Macedonia and France. His knowledge of the British flora was encyclopaedic and in 1965 he was elected Vice-President of the Botanical Society of the British Isles. For his work over a long period on tropical American plants and especially for his many authoritative papers on the family Bignoniaceae he had the distinction in 1960 of being elected an Honorary Fellow of the Botanical Society of Argentina. His last official duty in December, 1964, was to represent the Director at a meeting at Sao Paulo sponsored by UNESCO to discuss the proposed "Flora Neotropica"

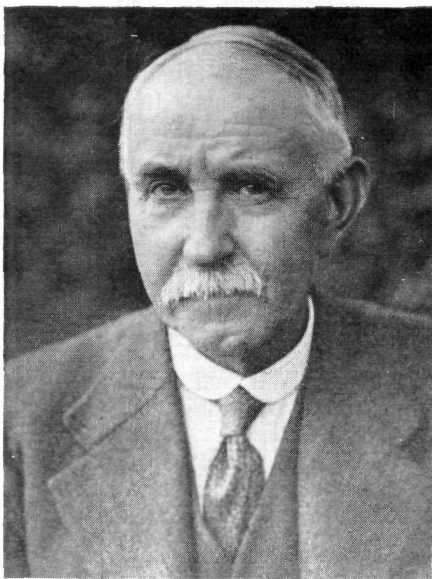
Sandwith's attachment to Kew is evidenced by his will in which he bequeathed £1,000 to the Bentham-Moxon Trust, the income from which was "to be applied to assisting and encouraging any member of the Kew Herbarium staff aged under forty to make a collection of dried plant specimens for the Kew Herbarium in any tropical country". As a Fellow of the Linnean Society he was for many years a member of its Council and Honorary Curator of the Linnean collections. His output of articles and papers in botanical journals was immense though he did not restrict his writing to scientific publications alone. His writing was always impeccable, scholarly without pretentiousness, in a style that is all too rare nowadays. Naturally shy, he avoided publicity of any kind and an inherent nervousness of manner made him appear somewhat awkward at times. He was not without humour, however, and possessed an aptitude for mimicry which amused his colleagues and friends on many occasions. In spite of his outstanding abilities and world-wide reputation as a taxonomist Sandwith would probably never have claimed to be a scientist. He was first and foremost a scholar with an innate feeling for plants. The physical sciences would certainly never have appealed to him. Apart from botany his main interests were centred in music and the visual arts. His knowledge of languages, both classical and modern, was freely available at all times to those who desired his help.

After his tragic death letters of sympathy and appreciation poured into Kew from every quarter. He held a unique place in the botanical staff at Kew and we shall probably never see his like again. To his brother, Commander E. P. G. Sandwith, we extend our most sincere sympathies.

F. BALLARD.

## M. NICHOLLS

Matthew Nicholls died on August 11th, 1966, aged 90. He was a Cornishman, and upon leaving school he commenced his horticultural career as an apprentice in the gardens of a well-known Cornish family, in his home town of Redruth, where he remained for five years. In January, 1895, he entered Kew and was there until May, 1897. During this period he shared "digs" with the late W. Dallimore and with whom he remained a life-long friend.



From Kew he took a position as Foreman with Mr. Barr of plant fame, and stayed with him until leaving to manage his father's nursery in Cornwall. Eventually he returned to London to gain experience with the florists, Wills and Seagar of Kensington. Throughout his life he never tired of relating stories of the grand functions at which he assisted with the floral decorations and for which the Victorians were renowned. Late in 1902 he married and accepted a position as head gardener at Alice Holt Estate, Surrey, now the property of the Forestry Commission.

In 1907, when a tragedy overtook his employers' family, Nicholls moved to an appointment as head gardener on the St. Clere Estate, near Sevenoaks, Kent, and here he stayed for the remainder of his gardening life and until the age of 70. His employers, Sir Mark and Lady Collet were very keen gardeners and in this congenial atmosphere Nicholls became completely dedicated. Over the years he won many awards for fruit, flowers and vegetables. Among the many plants which he raised his favourite was the *Aquilegia* 'Mrs. Nicholls'. This he named after his wife—it was sky-blue in colour.

After World War I Nicholls taught gardening for several years to the boys at the local village schools. Later in the early 1930's his employers encouraged him to grow Iris on a large scale and many of the hybrids which were raised received awards. Unexpectedly, Sir Mark and Lady Collet announced their decision to hand over the estate to the heir, the late Lord Norman, and to build a new home in the Isle of Man. The decision at first upset Nicholls, but he was given the opportunity of designing the new garden and

he continued to have a very strong association with it almost to the end of his life.

Nicholls retained a great affection for Kew. He was greatly interested in its activities and kept in constant touch with a number of Kewites, particularly with those of his own generation.

We send our sincere sympathies to Mrs. Harvey, his daughter.  
G. Joy (1946).

### W. W. GRAY

With regret we record the death of William Gray which occurred on the 19th August, 1966, after a short illness, at the age of 81.

At Kew, Gray was in the Tropical Pits before moving to the Temperate House, thus he served under T. W. Taylor and C. P. Raffill. Upon leaving Kew in 1910 he went into business with his parents in Reading as a florist and fruiterer, but later he joined the War Graves Commission serving as an area foreman in Arras.

After a period of 3-4 years in France, he re-joined his father for a short period where he was head gardener on the Sopwith estate at Cobham, Surrey, before taking charge of the Malcolm estate, Rake Mound, Milford. Here he carried out extensive improvements including the formation of a bog garden on the lower end of the lake.

To quote from a letter sent by his sister, Mrs. E. M. Belcher—  
“He worked in the face of increasing blindness which he met with great courage and fortitude, knowing that for his type of affliction there was no known cure. After retirement he continued to garden by touch, getting down on his hands and knees if necessary. With Mrs. Gray’s help he managed to grow their needs in vegetables and also produced in his little greenhouse his beloved chrysanthemums.”

His wife, Mrs. Beatrice M. Gray wrote—“I am an old Kewite, being born in the Gardens. My father was engineer at the pumping station when water was taken from the Lake for the Gardens. I visit Kew nearly every summer as I love it so!”

We send our sincere sympathies to his wife and sister and to other relatives.



## E. S. DODD

We regret to record the death of E. S. Dodd who was at Kew from 1908-10. He was a good all-round sportsman including cricket, football and boxing. Reference to the 1908 *Journal*, Vol. II, No. XVI, p. 411, indicated that he was Captain of the Football Club, 1908-9.

He left Kew for Calcutta where for four years he served in the Royal Botanic Gardens. Returning to this country in 1915 he left for America where he joined the staff at Tuxedo Park, New York. He was Superintendent there from 1948-1957.



The reproduction is from a photograph taken while he was in Calcutta.

## ALEXANDRE AUGUSTE MEUNISSIER

We regret to record that the death of this distinguished Kewite was not noticed or recorded earlier, for it occurred on 1st May, 1947. He was 71 years of age.

After training at the National School of Horticulture at Versailles, and at the Vilmorin—Andrieux Establishment, Meunissier entered Kew as a student gardener in 1898. An extensive tour of horticultural studies followed this before he returned to France in March, 1900, at the commencement of a brilliant career in which he was to occupy a position of great eminence in the science of horticultural and agricultural cropping. Thus he was the official delegate of many international conferences connected with food production and genetics. He took a leading part in defining scientific research. Among the decorations which he received were the following: Chevalier du Merite agricole in May, 1910; in December, 1924, he was made an Officier of this order and a Commandeur in May, 1934; in 1929 he was made Chevalier de la legion d'honneur.

So much detail was sent by his son, M. Edouard Meunissier at our request, that we have filed this in our Herbarium library at Kew. This includes a list of his many scientific publications. For his kindness in supplying this we offer M. Edouard our sincere thanks.



We regret to announce the deaths of the following :—

- D. C. MacKenzie (1939) on 23rd November, 1966.
- \*W. Allt (1911) in November, 1966.
- \*J. J. A. Gribble (1895) on 23rd December, 1966.
- \*E. A. Ruck (1920) on 3rd November, 1966.
- \*Major H. B. Sharpe (1913).  
F. Tunnington (1909).
- \*C. S. Walsh (1914). This came to our notice in December, 1966.

We intend to publish suitable obituaries for these in the next issue of the *Journal*, but we would like more information on those marked \*.

Quite a number of Kewites must have known H. R. Middlemost who was in charge of the Registry at Kew from 1937 until 1949. We regret to inform readers that he died in early December, 1966.

#### WEDDING BELLS

Miss S. Willsher (Scientific Assistant, Herbarium) to Mr. J. Endall (1966) at All Souls Church, St. Margarets, Twickenham, on August 6th, 1966.

Mr. J. Mitchell (1966) to Miss V. Lewis at St. Mary's, Hayes, Middlesex.

Mr. M. Hutcheson (Propagator, Alpine Dept.) to Miss A. Durwood at Falkirk Methodist, Stirlingshire, on September 24th, 1966.

Mr. H. Fleigner (Propagator, Tropical Dept.) to Miss B. Fritsche at the Parish Church, Giaching by Munich, Germany.

Mr. J. M. Kerr (1960) to Miss J. M. Sparrow at the Registry Office, Sheen, Surrey, on August 13th, 1966.

#### PLANTS IN BLOOM IN THE OPEN AT KEW ON CHRISTMAS DAY, 1966

Kew experienced the mildest December since 1959, also Christmas Day was London's sunniest this century.

All of the plants mentioned on page 563, *K.G.J.* 1965, were also out in flower on Christmas Day, 1966, but in addition there were others including some herbaceous subjects which would normally have been dormant. These are listed as follows :—

Achillea chryscoma	Forsythia viridissima
Achillea 'Moonshine'	Geum coccineum 'Red Wings'
Achillea tomentosa	Helleborus foetidus
Bellis perennis	Iberis saxatilis
Berberis x darwinii	Iris unguicularis
Camellia sasangua	Loncera americana
Campanula carpatica	Mahonia acanthifolia
Cerastium holostoides	Poa annuum
Cheiranthus cheiri	Ruta graveolens 'Jackmans Blue'
Clematis patens, 'Geo. Jackman'	Senecio vulgaris
Cytisus x beanii	Teucrium polium
Escallonia 'William Watson'	

In addition there were many Polyanthus, Winter Flowering Pansies, Hybrid Roses and Ceanothus.

## KEW STAFF LIST.

October, 1966.

\* Life member of the Guild. † Formerly a Student Gardener.

‡ Acting.

		<i>Entered Kew</i>
<b>DIRECTOR'S OFFICE</b>		
Director .....	Sir George Taylor, D.Sc., F.R.S.E., F.L.S., V.M.H. ... ..	1956
Deputy Director, Keeper of Herbarium and Library (D.C.S.O.).....	J. P. M. Brenan, M.A., B.Sc., F.L.S.	1948
Secretary (Chief Executive Officer)...	R. W. King, D.F.C. ... ..	1959
Higher Executive Officer.....	J. G. Hicks ... ..	1964
Executive Officer .....	B. J. Kotulanski ... ..	1965
Clerical Officer/Secretary .....	Mrs. A. M. E. Kendall ... ..	1947
Clerical Officer .....	G. F. Lamb ... ..	1951
" " .....	G. A. Calcutt ... ..	1959
" " .....	Mrs. H. M. Hyde ... ..	1966
" " .....	Miss J. M. Smith ... ..	1966
" " .....	Mrs. E. M. Kedge ... ..	1965
" " .....	Mrs. I. V. Render ... ..	1965
" " .....	Mrs. L. M. M. Perrett ... ..	1965
Clerical Assistant .....	Mrs. F. I. Hughes ... ..	1962
" " .....	Mrs. F. L. Upton ... ..	1964
Shorthand Typist .....	Miss E. H. Smith ... ..	1966
Telephone Operator .....	Mrs. C. Lansdell ... ..	1966
<b>HERBARIUM AND LIBRARY</b>		
Deputy Keeper, S.P.S.O.....	E. W. B. H. Milne-Redhead, T.D., M.D., F.L.S. ... ..	1928
Senior Principal Scientific Officer.....	R. Melville, B.Sc., Ph.D., F.L.S. ...	1934
" " " " .....	R. W. G. Dennis, B.Sc., Ph.D., F.L.S.	1944
Principal Scientific Officer.....	A. A. Bullock, B.Sc., F.L.S. ... ..	1929
" " " " .....	*J. R. Sealy, B.Sc., F.L.S. ... ..	1927
" " " " .....	R. D. Meikle, B.A., LL.B., F.L.S.	1947
" " " " .....	D. A. Reid, B.Sc., Ph.D. ... ..	1951
" " " " .....	W. D. Clayton, B.Sc., A.R.C.S., F.L.S.	1958
" " " " .....	F. N. Hepper, B.Sc., F.L.S. ... ..	1950
" " " " .....	L. L. Forman, B.Sc., F.L.S. ... ..	1951
Senior Scientific Officer .....	Miss F. M. Jarrett, M.A., Ph.D., F.L.S.	1959
" " " " .....	C. Jeffrey, M.A. ... ..	1957
" " " " .....	P. S. Green, B.Sc., F.L.S. ... ..	1966
" " " " .....	D. M. Dring, B.Sc., Ph.D., F.L.S. ...	1962
" " " " .....	P. F. Hunt, M.Sc., F.L.S. ... ..	1959
" " " " .....	R. M. Polhill, B.A., F.L.S. (O.D.M.)	1961
" " " " .....	G. Ll. Lucas, B.Sc., F.L.S. (O.D.M.)	1963
Scientific Officer .....	E. R. Guest, B.Sc., A.R.C.S., A.I.C.T.A. (Iraq) ... ..	1959
" " .....	D. R. Hunt, M.A., A.R.C.O. ... ..	1961
" " .....	A. R. Smith, B.Sc., A.L.S. ... ..	1962
" " .....	R. K. Brummitt, B.Sc., Ph.D., F.L.S. (Fl. Zamb.) ... ..	1963
" " .....	Miss D. M. Napper, B.Sc. (O.D.M.)	1965
Botanist (Bentham-Moxon).....	H. K. Airy Shaw, B.A. ... ..	1925
Liaison Officer .....	O. A. Leistner, D.Sc. (S. Africa) ...	1964
" " .....	M. M. Lazarides, Q.D.A. (Australia)	1965
" " .....	M. P. Nayar, M.Sc., F.L.S. (India)	1961
Principal Research Fellow .....	B. Verdcourt, B.Sc., Ph.D., F.L.S.	1964
Senior Experimental Officer.....	P. G. Taylor, F.L.S. ... ..	1948

Entered  
Kew

Experimental Officer .....	M. J. S. Sands, B.Sc. ....	1959
" " .....	J. R. Tennant, B.Sc., F.L.S. (O.D.M.) .....	1956
" " .....	D. N. Pegler, B.Sc. ....	1960
" " .....	Miss S. S. Hooper, B.Sc., F.L.S. ....	1954
" " .....	Miss M. I. Skan, M.B.E. ....	1919
" " .....	D. Philcox, M.I.Biol., F.L.S. ....	1959
" " .....	C. C. Townsend ....	1959
" " .....	D. V. Field, B.Sc. ....	1960
" " .....	Miss J. K. Bowden, B.Sc., F.L.S. ....	1949
Assistant Experimental Officer .....	Miss E. D. Bradley-Smith, B.A. (O.D.M.) ....	1965
" " " .....	Miss S. M. King, B.Sc. ....	1966
" " " .....	S. A. Renvoize ....	1963
Senior Scientific Assistant .....	Miss J. Forster ....	1947
" " " .....	Miss I. Blewett ....	1941
" " " .....	Mrs. J. L. M. Pinner (Miss Fletcher) .....	1952
" " " .....	Miss T. A. Bence ....	1958
Scientific Assistant .....	J. L. Gilbert... ..	1955
" " .....	Miss P. Halliday ....	1947
" " .....	Miss J. McEwan ....	1956
" " .....	Miss J. Winn ....	1966
" " .....	Miss J. S. Frost ....	1966
" " .....	Mrs. D. Polhill (Miss O. Moscoff) (O.D.M.) ....	1957
" " .....	Miss V. Mann ....	1958
" " .....	N. H. Sinnott ....	1963
" " .....	Mrs. M. J. Bowen-Jones ....	1963
" " .....	Mrs. F. Neate, B.A. (P/T, O.D.M.) .....	1963
" " .....	Mrs. D. M. Bridson (Miss Shepherd) .....	1963
" " .....	Mrs. W. Hebb (Flora Zambesica)... ..	1966
" " .....	Miss V. A. Carder ....	1955
" " .....	Miss J. Dorrell ....	1966
" " .....	Miss S. E. Horton ....	1964
" " .....	Mrs. M. R. Fernando (P/T Iraq) .....	1966
" " .....	Miss V. F. Mulford ....	1964
" " .....	Miss P. A. Jones ....	1966
Senior Photographer .....	R. R. Zabeau ....	1956
Leading Illustrator .....	Miss M. A. Grierson ....	1960
Librarian .....	R. G. C. Desmond, F.L.A. ....	1961
Assistant Librarian .....	R. Davidge, B.A., A.L.A. ....	1958
" " .....	Miss K. E. W. Rattue ....	1961
" " .....	Miss G. M. Grainger ....	1964
Library—Clerical Officer .....	Miss M. J. Kierans ....	1934
" " " .....	Mrs. P. G. Warris ....	1961
" " " .....	Miss H. M. White ....	1959
" " " .....	Mrs. K. E. Mortimer ....	1964
" " —Clerical Assistant .....	Mrs. D. G. Marsh ....	1962
Library Typist P/T .....	Mrs. M. Gazzard ....	1966
" " .....	Mrs. J. E. Taylor ....	1966
Senior Laboratory Attendant .....	Mrs. H. Wootton ....	1949
Laboratory Attendant .....	Mrs. V. A. Lamb ....	1965
" " .....	Mrs. L. C. F. Glenister .....	1956
" " .....	Mrs. D. I. Mitchell... ..	1954
" " .....	Mrs. M. W. Glover ....	1960
" " .....	Mrs. H. Dzilna ....	1954
" " .....	Mrs. E. M. Tooth ....	1965
" " .....	Miss I. L. Taylor ....	1959
" " .....	Mrs. D. B. Boaler ....	1962
" " .....	Mrs. A. Claxton ....	1966

	<i>Entered</i>
	<i>Kew</i>
Assistant (Bentham & Moxon).....	P. Heawood ... .. 1960
"                    "                    .....	Miss C. Newall ... .. 1961
"                    "                    .....	Mrs. S. M. Shury ... .. 1960
Clerical Officer .....	Miss G. M. Pring ... .. 1954
"                    "                    .....	Miss M. A. Wood ... .. 1966
Clerical Assistant .....	Mrs. I. I. Scott ... .. 1963
Typist (Supervisory All.).....	Mrs. M. J. Brind ... .. 1955
"                    "                    .....	Miss I. M. Chambers ... .. 1961
"                    "                    .....	Mrs. B. C. Davies (O.D.M.) ... .. 1965
"                    "                    .....	Mrs. M. M. Longman ... .. 1947
"                    "                    .....	Mrs. E. N. Attwood ... .. 1964
"                    "                    .....	Mrs. I. E. Lightman ... .. 1964
"                    "                    .....	Mrs. J. E. Turner ... .. 1965
"                    "                    .....	Mrs. E. J. Fitchett ... .. 1965
"                    "                    .....	Mrs. J. L. Ronald ... .. 1966
Senior Messenger .....	W. H. Nightingale ... .. 1965
Duplicator Operator .....	Miss P. A. Godfrey ... .. 1960
Gardener, Grade I .....	W. A. Mullins ... .. 1942
<b>JODRELL LABORATORY</b>	
Keeper (Senior Principal Scientific Officer) .....	C. R. Metcalfe, O.B.E., M.A., Ph.D., F.L.S., F.I.Biol. ... .. 1930
Principal Scientific Officer .....	K. Jones, B.Sc., Ph.D., F.L.S. ... .. 1960
"                    "                    .....	P. A. Thompson, B.Sc., M.Sc., Ph.D. ... .. 1964
Senior Scientific Officer .....	Miss M. Y. Stant, B.Sc., Ph.D. ... .. 1950
"                    "                    .....	T. Reynolds, B.Sc., M.Sc. ... .. 1966
Scientific Officer .....	C. J. Marchant, B.Sc., Ph.D. ... .. 1962
"                    "                    .....	D. F. Cutler, B.Sc., Ph.D., F.L.S., D.I.C. ... .. 1962
Experimental Officer .....	D. J. C. Fox ... .. 1966
"                    "                    .....	Miss M. Gregory, B.A. ... .. 1961
"                    "                    .....	F. R. Richardson ... .. 1934
Assistant Experimental Officer.....	Mrs. C. A. Culden ... .. 1961
Senior Scientific Assistant .....	Miss D. M. Catling ... .. 1950
Scientific Assistant .....	Miss J. M. Hawes ... .. 1966
"                    "                    .....	Miss C. Milne ... .. 1966
"                    "                    .....	Miss C. A. Brighton ... .. 1965
"                    "                    .....	Miss P. Kloosterman ... .. 1966
Senior Photographer .....	T. A. Harwood ... .. 1965
Laboratory Attendant .....	Miss B. M. Young (P/T) ... .. 1963
"                    "                    .....	Mrs. E. Turrell (P/T) ... .. 1965
Junior Research Fellowship .....	M. G. Daker, B.Sc., Ph.D. ... .. 1964
Shorthand Typist .....	Miss V. Horwill ... .. 1951
<b>DEPARTMENT OF ECONOMIC BOTANY</b>	
Keeper (Principal Scientific Officer)...	F. N. Howes, D.Sc. ... .. 1926
Principal Scientific Officer (Quarantine Work) .....	T. A. Russell, B.Sc., A.R.C.S., A.I.C.T.A. ... .. 1954
Experimental Officer (Guide Lecturer) .....	Miss R. C. R. Angel, B.Sc., Dip.Hort.Sc. ... .. 1959
Scientific Assistant P/T (Assistant Guide-Lecturer).....	Miss L. Ponsonby ... .. 1965
Exhibition Officer (Information Officer).....	Mrs. B. Christopher, N.D.D. ... .. 1960
Museum Technician .....	A. J. Parkes ... .. 1960
Clerical Assistant .....	B. O'Dowd ... .. 1964
Scientific Assistant .....	Miss J. A. Puddick... .. 1966
Typist (P/T) .....	Mrs. M. Y. R. Dennis ... .. 1965

## GARDENS

Curator .....	R. L. Shaw, N.D.H. ....	1966
Assistant Curator .....	††S. A. Pearce, M.B.E., A.H.R.H.S., F.Inst.P.A. (Arboretum North) .....	1928
" .....	†G. H. Preston, F.L.S. (Herbaceous) .....	1934
" .....	†S. W. Rawlings, A.R.P.S. (Tropical) .....	1936
" .....	†G. E. Brown, N.D.H. (Arboretum S.) .....	1946
" .....	G. J. E. Yates, N.D.H. (Decorative) .....	1961
" .....	†J. B. Simmons, N.D.H. (Temperate) .....	1958
Supervisor of Studies .....	†L. Pemberton, N.D.H., Dip. Arb. .....	1952
Foreman Gardener .....	H. J. Jackman (Decorative) .....	1949
" .....	W. Bridle (Temperate House Pits) .....	1946
" .....	H. Bruty, B.E.M. (Ferneries Tropical) .....	1946
" .....	P. G. Shutler (Arboretum S.) .....	1946
" .....	E. W. Macdonald (Succulents— Tropical) .....	1950
" .....	†A. J. Hale (Temperate House) .....	1955
" .....	†F. A. Larkbey (Decorative) .....	1947
" .....	†G. E. Nicholson (Orchids—Tropical) .....	1947
" .....	†A. G. Cook (Herbaceous and Rock Garden Prop.) .....	1948
" .....	†R. I. Beyer (Alpine and Herbaceous) .....	1959
" .....	†R. J. Sadler (Arboretum N.) .....	1951
" .....	†A. D. Schilling, Dip. Arb. (Arb. Prop.) (Seconded to Nepal until 1967) .....	1959
" .....	A. D. Stevens (Arboretum S.) .....	1956
" .....	R. L. Adams (Arboretum Nursery) .....	1964
" .....	†R. H. Rule (Palm House—Tropical) .....	1956
" .....	J. R. Woodhams (Tropical Pits) .....	1959
Shorthand Typist .....	Miss A. G. Barton .....	1953
Storekeeper .....	W. E. Farmer .....	1962
Bird Keeper and Pests Operator .....	H. Allen .....	1958
Seed Collector .....	J. Mateer .....	1952
" .....	J. M. Latto .....	1957
Propagators .....	F. L. Burnell .....	1946
" .....	H. J. Fliegner .....	1963
" .....	G. A. Herron .....	1963
" .....	M. Hutcheson .....	1963
Gardeners, Grade I .....	C. W. Preston .....	1922
" .....	C. H. Bowditch .....	1958
" .....	H. Hockley .....	1942
" .....	M. P. D. Cameron .....	1958
" .....	J. Slater .....	1945
" .....	Mrs. C. E. Bloss (P/T) .....	1964
" .....	J. Prudden .....	1956
" .....	D. J. W. Bernard .....	1960
" .....	I. R. Cameron-Swan .....	1965
" .....	M. J. Harrington .....	1960
" .....	E. A. Pooley .....	1935
" .....	R. Laws .....	1962
" .....	P. Spedding .....	1961
" .....	Mrs. D. J. P. Hills .....	1964
" .....	W. J. Holmes .....	1959
" .....	E. A. Pawlowicz .....	1958
" .....	A. M. Juett .....	1945
" .....	J. F. Norris .....	1956
" .....	P. E. Wilson .....	1966
" .....	D. L. Arminson .....	1966
CONSTABULARY		
Sergeant in Charge .....	W. Leaver, B.E.M. ....	1935

## STUDENT GARDENERS OF THREE-YEAR COURSE

(Commenced 5th October, 1964)

J. Beswick  
W. E. Bessler  
D. P. Coleman  
M. J. Dawes  
B. V. Frankland

G. M. Gaskin  
H. N. Goddard  
G. N. Graham  
M. Hart  
A. R. Keevil

B. A. Nash  
B. J. Penberthy  
A. Rich  
A. R. Smith  
E. Saxon

E. Scarr  
M. J. Tomlinson  
C. P. Wood

(Commenced 5th October, 1965)

A. H. Balfour  
R. C. Cowley  
M. R. Cudd  
S. W. Dyall  
R. S. Hebb  
H. G. Heywood

C. Hindmarch  
C. W. Jones  
Miss M. M. Jones  
D. H. Miller  
Miss J. Nau  
G. A. Pattison

R. A. Pitt  
J. D. Roberts  
S. C. Scarr  
I. M. L. Shepherd  
G. F. Smith  
Miss E. Stevens

D. Walshaw  
A. D. Webster  
A. M. Weir  
F. C. Yong

(Commenced 3rd October, 1966)

M. J. Alderson  
Miss S. P. Ash  
A. J. Burgess  
A. Connell  
A. J. G. Esmonde

D. G. Evemy  
P. A. Goodbury  
S. A. Goodyear  
C. Iles  
P. A. Ketley

J. B. Lawrence  
Miss J. Lee  
M. R. Norton  
R. S. Mann  
M. J. Shorey

P. C. Summerwell  
P. G. Styles  
T. M. Taylor  
M. J. Tucker  
W. P. R. Wickham

## IMPROVERS AND BOYS

C. Bailey  
N. J. P. Kennealy  
R. A. Blake  
C. W. Hinds  
S. G. L. Cole  
J. Conway  
A. Claringbowl

D. Getty  
M. Garrard  
N. J. Stone  
H. Groffman  
J. R. Driscoll  
R. O. Johnson  
W. Pluck

P. M. Barnes  
D. M. Painter  
P. L. Sherwood  
R. Rose  
D. Redhead  
B. J. Richards  
M. Masters

R. M. Wyatt  
C. W. Webb  
C. Graham  
C. L. Pinnell  
D. Pluck  
T. J. Stacey

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Elizabeth The  
Queen Mother

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## ADDRESS LIST OF OLD KEWITES (October, 1966)

*(The Names of Past Presidents are preceded by a dagger, Life Members by an asterisk)  
(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.

1936. Abbing, J., Beauwea Park, P.B., Grahamstown, S.A.  
 1959. Adams, R., 69 Selwyn Avenue, Richmond, Surrey.  
 1959. Adams, R., 45 Hillcrest Road, Offerton, Stockport, Cheshire.  
 1938. \*Addison, G. H., 45 Cavendish Place, Eastbourne, E. Sussex.  
 1957. Addison, P., N.D.H., 14 Taunton Road, Wallasey, Cheshire.  
 1960. Adshead, P., Rothley, Kingsgate Road, Winchester, Hants.  
 1926. Agate, C. J., 7 Beach Road, Great Neck, Long Island, N.Y., U.S.A.  
 1949. Ainslie, E., 18 Park Avenue, Eastwood, Leigh-on-Sea, Essex.  
 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.  
 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, S.S.  
 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.  
 1962. Anwyl, R. B., "Dawn," Inglewood Drive, Alswick, Bognor Regis, Sussex.  
 1954. Appleby, J., 53 Rathbone Road, Wavertree, Liverpool, 15.  
 1964. Armony, A., 12 Queens Mansions, 230 Westend Lane, London, N.W.6.  
 1947. \*Armstrong, C. E., N.D.H., H.L., Kesteven Farm Inst., Caythorpe Court, Nr. Grantham, Lincs.  
 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. E. D. (F. A. Sharps), 145 High Street, Harston, Cambridge.  
 1956. Ast, R., Huob, 6330 Cham/ZG., Switzerland.  
 1931. Atkins, L. G., N.D.H., 14 Wharfedale Drive, Fosse Estate, Newark Road, Lincoln.  
 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.  
 1954. Attenburrow, D. C., c/o D. of Agriculture, P.O. Box 338, Nairobi, Kenya.  
 1950. Attwood, C. A., Bel-Air, Ulgham, Morpeth, Northumberland.  
 1910. \*Aubrey, A. E., 83 Newbridge Street, Wolverhampton, Staffs.  
 1946. Avery, Edwin, 2 Newport Road, Barnes, S.W.13.  
 1939. \*Aves, J. J., D.S., P.O. Box 1454, Parks Dept. Pretoria, S.A.  
 1935. Bachelor, P. L., Glenchairn, 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, 32 Montague Road, Dunedin, New Zealand.  
 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.  
 1927. \*Banfield, F. S., F.L.S., "Tegernsee," Beech Road, Purley, Reading, Berks.

## 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, Foremen-Gardeners, and Student Gardeners, who have been or are employed at the Royal Botanic Gardens, Kew, or at Wakehurst Place, Ardingly, Sussex, and to Voluntary Student Gardeners (provided that they have worked at the Gardens for at least one year), and to past and present members of the Scientific, Professional and Executive Staff at Kew and Wakehurst. The term "Kewites" where used herein or by the Guild in other publications shall mean a 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, by virtue of the signal services he or she has rendered to the Guild, is deemed worthy of membership of the Guild.
- (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 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 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.

## LIST OF LATEST ADDRESS CHANGES

1962. Aldous, J., 504 Grace Way, Almonds Spring, Stevenage, Herts.  
 1954. Attenburrow, D. C.—address unknown.  
 1927. \*Bassett, W. E., M.B.E., 6 Ravenswood Road, Croydon, CRO 4BL.  
 1954. Baverstock, E., N.D.H., 1 The Cottages, Sidcup Place, Sidcup, Kent.  
 1956. Boot, W. A., Supt. of Parks, Box 23, Nigel, Transvaal, S.A.  
 1963. Breach, D. J., 15 Wolds Rise, Matlock, Derbyshire.  
 1953. Cameron, J. D., c/o Parks Dept., St. George's Park, Port Elizabeth, S.A.  
 1938. \*Davies, H. F., Ewanrigg Nat. Park, c/o Nat. Parks Board, Salisbury, Rhodesia.  
 1927. Dandy, J. E., M.A., F.L.S., Rowans, Grove Road, Tring, Herts.  
 1929. \*Davis, G. A.—address unknown.  
 1936. \*Dean, R. E.—address unknown.  
 1964. Dodge, M. H., Winterthur, Delaware, 19735, U.S.A.  
 1964. Dodge, Mrs. K. M. (Burlingham)—address as above.  
 1934. \*Douglas, J., Parks Supt., 2 Longcroft Drive, Renfrew.  
 1912. \*Downer, H. E., Beechwood Avenue, Poughkeepsie, N.Y. 12601, U.S.A.  
 1928. \*Everitt, W., 3 Majestic Mansions, St. Peter's Road, East London, S.A.  
 1956. Fugard, R. L., c/o Parks Dept., Capetown, Cape Province, S.A.  
 1963. Gaggini, J. B., N.D.H., Holly Bushes, Birch Lane, Brentmore Road, West End, Woking, Surrey.  
 1946. Hack, H. R. B., Kenana Res. St., Abu Na'ama, Blue Nile Prov., Sudan.  
 1960. Hitchcock, A. G., c/o Registrar, Univ. of Zambia, P.O. Box 2379, Lusaka, Zambia.  
 1966. Hitchin, P. D. M., 6 West Side, Nunthorpe Village, Middlesbrough.  
 1967. Howes, Dr. F. N., 8 Nylands Avenue, Kew Gardens, Surrey.



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1898. Lloyd, H. B.—address unknown.  
 1942. Mackinnon, T. H., 87 Grantham Road, London, S.W.9.  
 1955. Manger, G., 11 Abbey Road, Selsdon, CR 28 NJ, S. Croydon, Surrey.  
 1963. Mitchell, A. J., The Lodge, Brookdale Park, Newton Heath, Manchester, 10.  
 1938. Page, P. W., c/o Parks Dept., Box 2824, Johannesburg, S.A.  
 1941. \*Redman, J., N.D.H., S., Royal Bot. Gdns., Box 399, Hamilton, Ontario.  
 1948. Rodick, R. S., 2 Boundary Drive, Hunts Cross, Liverpool, 25.  
 1960. Scales, K. W., 27 Love Lane, Pontefract, Yorkshire.  
 1939. \*Sheat, W. G., and Mrs. Sheat—address unknown.  
 1955. Shepherd, C. E. T., 32 Tenbury Road, Kings Heath, Birmingham, 14.  
 1952. Sieben, J. R., Senior Horticulturist, 2 Victoria Drive, Port Elizabeth, S.A.  
 1953. Smith, I. L., B.L.A., Landscape Arch., 117 De Flandre Preville, P.Q., Canada.  
 1959. Smith, G. D., 110 Boswell Avenue, Mondeor, Transvaal, S.A.  
 1934. Stayner, F. J. C., Karoo Gardens, P.O., Worcester, C.P., S.A.  
 1948. Templeton, J. G., c/o Com. War Graves Comm (Caen Area), 106 Route de Thurey-Harcourt, Fleury-sur-Orne, Par Caen (Calvados), France.  
 1963. Theron, M., Manager of Parks, Box 4, Alberton, S.A.  
 1944. Waller, Mrs. N. (Shallcross), Burnt House Farm, Chartham, Nr. Canterbury, Kent.  
 1952. Ward, W. B.—address unknown.  
 1954. Watson, G., Area Hort., Hort. Section, P.O. Box 5382, Johannesburg, S.A.

\* Life Member.



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