

THE  
JOURNAL  
OF THE  
KEW GUILD

FOUNDED 1892

*AN ASSOCIATION OF MEMBERS OF THE KEW STAFF  
PAST AND PRESENT*

---

EVENTS OF 1968

*(Published April 1969)*

Volume VIII

No. LXXIII

---

ROYAL BOTANIC GARDENS

KEW

*Trustees:* Sir GEORGE TAYLOR, D.Sc., F.R.S., F.R.S.E., F.L.S., V.M.H.  
 Dr. C. E. HUBBARD, C.B.E., D.Sc., F.L.S.  
 R. SHAW, N.D.H.

### OFFICERS

*President:* E. W. B. H. MILNE-REDHEAD, I.S.O., T.D., M.A., F.L.S.

*President-Elect:* C. R. STOCK, P.P.Inst.P.A.

*Vice-Presidents:* F. L. SQUIBBS and F. BALLARD, B.Sc., A.R.P.S.

*Hon. Treasurer:* J. B. SIMMONS, N.D.H.

*Hon. Editor:* G. E. BROWN, N.D.H.

*Hon. Secretary:* F. N. HEPPER, B.Sc., F.L.S.

*Hon. Assistant Secretary:* M. J. S. SANDS, B.Sc.

*Honorary Members:* S. A. PEARCE, M.B.E., A.H.R.H.S., F.Inst.P.A., and  
 J. R. SEALY, B.Sc., F.L.S.,

### *Members of the Committee:*

#### *Retire 1969*

G. JOY, *Kent.*  
 W. E. STOREY, *Surrey.*  
 Dr. C. R. METCALF, *Kew.*  
 A. R. T. BUCKLEY, *Canada.*

#### *Retire 1970*

R. G. C. DESMOND, *Kew.*  
 J. MIDDLETON, *Isleworth.*  
 C. W. RUDD, *Wood Green.*  
 L. RONCO, *Italy.*

#### *Retire 1971*

J. K. BURRAS, *Oxford.*  
 T. R. RISELY, *Dunstable.*  
 S. W. RAWLINGS, *Kew.*  
 D. V. MOORE, *Bermuda.*

#### *Retire 1972*

J. NORRIS, *Rome.*  
 A. P. PATERSON, *Abingdon.*  
 F. P. RYDER, *Richmond.*  
 A. D. SCHILLING, *Wakehurst Place.*

#### *Student Gardeners' Representatives:*

G. BURGESS and G. D. ARMSTRONG.

*Hon. Auditors:* H. J. FLIEGNER and D. R. HUNT.

#### *Other Helpers:*

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

## CONTENTS

	<i>Page</i>
List of Officers and Committee - - - -	860
President—Mr. E. Milne-Redhead - - - -	862, 867–868
Vice-President—Mr. F. Ballard - - - -	865
Poem—The Other Kew - - - -	866
Annual Dinner - - - -	869
Annual General Meeting - - - -	870–873
Presentation of Kew Diplomas and Prizes - - - -	874–880
Mutual Improvement Society - - - -	880–883
Social Activities - - - -	883–889
Kew Christian Fellowship - - - -	888
Notes and Gleanings - - - -	890–904
Museum Exhibits in 1968 - - - -	904–905
Notes from Wakehurst Place, 1968 - - - -	905–906
The Herbarium - - - -	906–907
The Temperate and Palm House Department - - - -	908–909
Kew Weather and Plants in 1968 - - - -	909–911
Articles—	
Those were the Days - - - -	911–912
Through Flowers to Friendship - - - -	912–914
Herbert Spooner - - - -	914–915
Sir Joseph Hooker - - - -	915–917
Daniel Judd - - - -	918–919
Wedding Bells - - - -	918
Positions (Students entering and leaving Kew) - - - -	919
Obituaries - - - -	920–931
Kew Staff List - - - -	932–936
Address List of Old Kewites - - - -	937–956
Addresses Unknown - - - -	957
Treasurer's Account - - - -	958–959
Rules - - - -	960–964

## EDGAR MILNE-REDHEAD

President, 1968/69

Our President, now in his sixty-third year, was born at Frome, Somerset, where he spent the first fourteen years of his life. The love of plants was in his family, for his grandfather, Richard Milne-Redhead had established a fine garden at Holden Clough, near Clitheroe, where some of the shrubs and especially the ornamental conifers which he planted still flourish. Edgar's father, George Bertram, was a keen gardener with a considerable knowledge of botany and the garden at Millards' Hill, near Frome, which contained some very beautiful trees planted by earlier owners, was extended and enriched to become a plantsman's delight. It was here that Edgar acquired a love of plants and got to know some of the fundamentals of both plant classification and of horticulture.

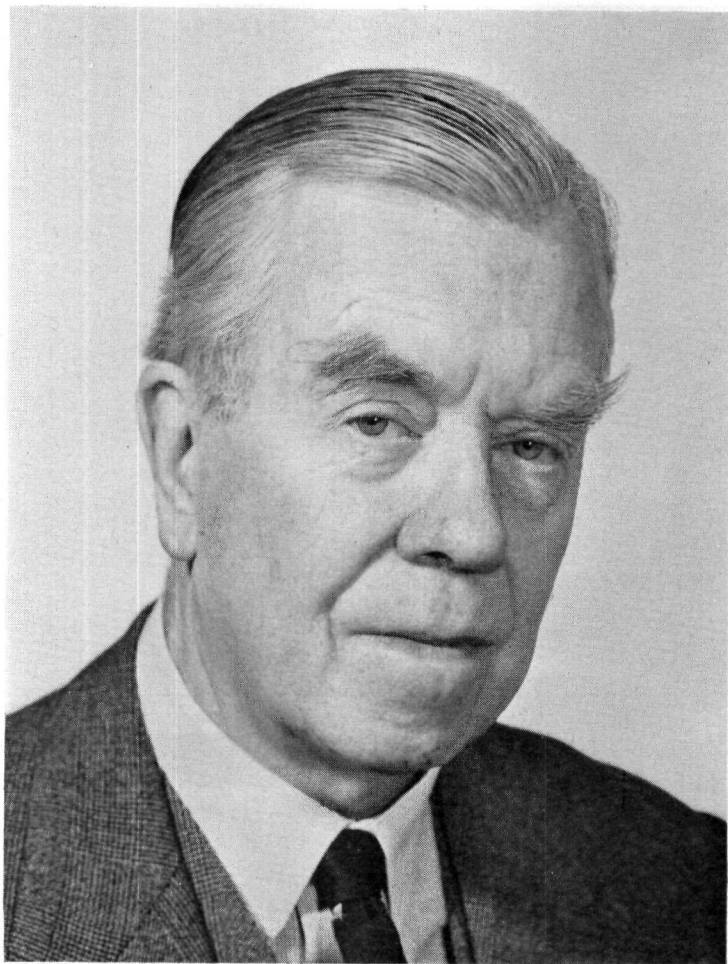
In 1920 the family moved to Cheltenham, where Edgar went to the College as a day-boy. His love of the countryside, which started in Somerset was greatly increased when he got to know the Cotswolds and the Severn Vale during his school days, whilst he helped his father to build up an interesting collection of plants in his much smaller town garden.

Edgar went to Cambridge in 1925 where he read Natural Science and showed a definite aptitude for Botany. Both at school and at the university he practised rifle-shooting and in 1928 was awarded a half-blue. Being bad at exams, he did not excel at Cambridge and decided not to take Part II of the Tripos but to seek for employment instead.

He applied for a job in the Kew Herbarium, as he had set his heart on working at Kew. As in October, 1928, there was no vacancy, he decided to accept an unpaid post for a few months to see how he liked the work. It was not long before he was offered the post of Temporary Technical Assistant (T.T.A.) and he worked under Dr. W. B. Turrill and with Mr. A. R. Horwood on European plants, then for a while on the plants of Greenland and Arctic Canada under Dr. T. A. Sprague and finally under Mr. V. S. Summerhayes on a collection from Fiji. Then, in March, 1930, the Director, Sir Arthur Hill, sent for him one morning and asked him whether he would care to go to Northern Rhodesia as botanist (seconded to the Colonial Office) attached to the aerial survey which was being carried out by the Aircraft Operating Company. He was to replace Mr. C. L. Collenette, who had had an attack of blackwater fever at the end of a successful collecting attachment to the British Somaliland Boundary Commission. Our President accepted this unexpected opportunity, although he felt ill-fitted for the task, knowing absolutely nothing about the tropical African flora and having had very little experience of collecting plants. And so his long association with African flora began. He was away from May to November and on his return prepared a report for the

*(Continued on page 867)*





EDGAR MILNE REDHEAD

*President, 1968/69*



FRANCIS BALLARD  
*Vice-President, 1968/70*

FRANCIS BALLARD  
Vice-President, 1968-1970

Francis (Frank) Ballard was born in North London on March 18th, 1896. After leaving school, he became laboratory assistant to the late Dr. E. Drabble, Head of the Botanical Department of the Northern Polytechnic in Holloway. In 1915 he joined the Royal Army Medical Corps and spent over two years on foreign service in France, Salonika and Palestine, partly with a Field Ambulance and partly as an infantryman with the Kensington Battalion of the London Regiment.

After demobilization in 1919, he joined the staff of an engineering firm but, resolving to make botany his future career, he attended evening classes with the object of obtaining a London University degree in that subject.

In 1927, after graduating with honours, he became botanical assistant to the late Dr. O. Stapf, F.R.S., who was, at that time Editor of the *Botanical Magazine*. After a stimulating period of eighteen months, he joined the Kew Herbarium staff as a temporary botanist under the Empire Marketing Board scheme. The retirement of the late C. H. Wright created a vacancy on the permanent staff and Ballard was appointed in 1929 to take charge of the Vascular Cryptogams in the Herbarium. In 1930, during the absence of C. E. Hubbard in Australia, he took over responsibility for the Grass collections as well.

The second world war led to his being sent to Oxford in 1940 with Dr. W. B. Turrill, C. E. Hubbard and V. S. Summerhayes. After a short period, both he and Dr. Turrill were seconded to Admiralty Intelligence and spent the remainder of the war period preparing accounts of the vegetation of various foreign countries which subsequently appeared in a number of Admiralty handbooks.

In 1945, Ballard returned to Kew and resumed work on ferns and related groups. Five years later, he was invited to accompany the University of Leeds Fern Expedition to Ceylon, where, during a period of four months, he collected many hundreds of specimens of ferns beside a lesser number of other groups. A large number of living specimens were also sent to Kew by air.

Apart from his numerous papers on ferns in various journals, he never lost his interest in flowering plants and in the *Botanical Magazine* he was author or co-author of over 36 texts. Being interested in the many scents and perfumes in plants, he wrote a number of semi-popular articles on the subject in the now defunct *New Flora and Silva* and in the *New Scientist*.

A keen photographer from an early age, he became an Associate of the Royal Photographic Society in 1926 and was represented at a number of international and other photographic exhibitions. Many of his botanical photographs have appeared in various publications. Over a period of thirty years he photographed over three hundred botanists in the Herbarium and a complete collection of

prints is now housed in the Hunt Botanic Library at Pittsburgh in the U.S.A.

Most of his published work dealt with African species of ferns and appeared in the *Kew Bulletin*, *Hooker's Icones Plantarum*, the *American Fern Journal* and other foreign publications. He also collaborated for a short time with C. E. Hubbard on the Flora of Tropical Africa and was responsible for the section on ferns in the *Flora of Iraq* and with the late A. H. G. Alston in the *Flora of Gloucestershire*.

Ballard retired from Kew in 1961 but still maintains his interest in ferns and is a regular visitor at the Herbarium.

### THE OTHER KEW

Dusk comes to Kew to mask its lovely face,  
 The Gardens close, The Jungle takes its place.  
 As night descends beneath its cloak it brings  
 A host of fearful, dark disturbing things.  
 The hungry owl sits watching patiently,  
 Just one more shadow in a shadowed tree.  
 A fieldmouse moves with hardly any sound,  
 On dainty feet she walks across the ground.  
 The little creature, quivering nose alert  
 Seeks for her food among the grass and dirt.  
 She cocks her soft brown ears from left to right,  
 But fails to hear the swift, soft feathered flight.  
 Sharp talons strike, she gives one plaintive squeal,  
 By Nature's law an owl has earned his meal.  
 One creature dies to let another live,  
 Kew, like the Jungle, can be primitive.  
 Who thinks of this when daylight comes again?  
 The terror of a mouse in fear and pain.  
 Such thoughts are not for visitors like you.  
 Forget them now, enjoy enchanted Kew.  
 And be content among these noble trees,  
 In daytime Nature does her best to please.  
 The sun is high, and there is much to see,  
 Leave darkness to the owls, the mice and me.

A. W. EVERETT,

*Night Watchman—Herbarium.*

---

The Hon. Secretary of the Guild, Mr. F. N. Hepper, is preparing for publication a biographical index of those who have collected flowering plants and ferns in West Africa (Senegal to West Cameroon). Any member who has information he thinks might be useful should contact Mr. Hepper at once as he expects the work to go to press this year.

(Continued from page 862)

Colonial Office on the possibility of using aerial photographs (taken for topographical purposes) for producing detailed vegetational maps. At this time he was employed as Botanist under the Empire Marketing Board, and joined the official Kew staff when the E.M.B. packed up in 1935.

In 1936, when Dr. J. Hutchinson was appointed Keeper of the Museums on the retirement of Mr. W. Dallimore, our President was put in charge of the Tropical African Section of the Herbarium, a position he held until 1959. In 1937 he accepted an invitation to stay with friends he met in Northern Rhodesia in 1930, in order to collect plants and in September he sailed for Lobito Bay in Angola en route for Matonchi Farm, Mwinilunga, by way of the Benguela Railway. He spent 4½ months with Captain and Mrs. K. R. Paterson, and made a comprehensive collection of the hitherto poorly known flora during the first half of the rainy season. This collection has proved to be outstandingly rich in unusual and little known plants, and was made possible through a small grant from the Bentham-Moxon Trust and the generous hospitality of Captain and Mrs. Paterson. It was unfortunate that Edgar had to leave to return to Kew (for no apparent reason!) in February, only half way through the season.

Our President had been commissioned in the Territorial Army in 1929 and had served for ten years with the 30th (Surrey) Searchlight Battalion, Royal Engineers, before the outbreak of war. He was called up on 22nd August, 1939, with the mobilization of the Air Defences. He became a "Gunner" in August, 1940, when the searchlight units were all transferred to the Royal Artillery. He was drafted to West Africa in November, 1940, where he served with the Royal West African Frontier Force in both Nigeria and the Gold Coast, finishing as G.S.O. II, R.A. at Headquarters Military Forces in West Africa at Achimota in the Gold Coast with the rank of Temporary Major. He was posted back to the U.K. early in 1942, where he returned to air defence and became a Sector Searchlight Control Officer working with the R.A.F. Fighter Command on night interception of enemy raiders.

On demobilization in 1945 he returned to Kew just in time to help reinstate those parts of the Herbarium which had been evacuated to Oxford and Gloucestershire. In January, 1946, with the reorganization of the Scientific Civil Service, he became a Principal Scientific Officer, which rank he held until he became Deputy Keeper of the Herbarium and Library in 1959.

In 1949 our President, when working on a taxonomically difficult genus of African plants, *Clematopsis*, together with Dr. A. W. Exell of the British Museum (Natural History) and Dr. J. Léonard of I.N.E.A.C., Brussels, saw the need for the formation of an association of taxonomic botanists working on African plants with a view to their reaching closer agreement on matters of taxonomy and nomenclature during the preparation of the African regional Floras.

Thus the "Association pour l'Etude Taxonomique de la Flora d'Afrique tropicale" (A.E.T.F.A.T.) was formed, an Association which has become firmly established and has proved to be of great stabilizing value to African botany. In 1951 he was appointed Joint Editor with Dr. W. B. Turrill of the *Flora of Tropical East Africa* which was to be prepared at Kew with financial assistance from the Colonial Office.

In 1955 he was given the opportunity to visit East Africa to collect plants from botanically underworked areas. He chose to take his colleague Mr. Peter Taylor with him and to make an intensive collection from the Songea District of Tanganyika throughout the wet season. Starting and finishing at Nairobi where Dr. P. J. Greenway and the staff of the East African Herbarium gave them every assistance, they went by road in a three-ton lorry via the Tanganyika coast arriving at Songea just before Christmas and staying there till the end of June when they returned by the Great North Road through central Tanganyika. The visit resulted in 5,000 gatherings and numerous sets of duplicate specimens, and put the Songea District firmly on the botanical map, so to speak.

On being appointed Deputy Keeper, our President became editor of the *Kew Bulletin* and had to help the Keepers, Dr. C. E. Hubbard and later, Mr. J. P. M. Brenan, with the administration of the Herbarium. In 1967 he was appointed a Companion of the Imperial Service Order.

He has always had a general interest in other branches of natural history and of recent years he has been active mainly in his spare time, in nature conservation. He is serving on the Executive Committees of the Council for Nature and the Surrey Naturalists' Trust; he represents Surrey on the County Naturalists' Trusts' Committee of the Society for the Promotion of Nature Reserves, and on the Society's Conservation Committee. He is Chairman of the London Natural History Society's Nature Conservation Committee and of the Conservation Committee of the Botanical Society of the British Isles. In 1967 he was elected President of the Ray Society and of the North Gloucestershire Naturalists' Society. He was given Honorary Membership of the Société Royale de Botanique de Belgique in 1966 in recognition of his work on the African flora. He has served on the Council of the Linnean Society of London and of the Botanical Society of the British Isles.

He married in 1933 Miss M. O. Shaw, sister of his friend and colleague, Mr. H. K. Airy Shaw, and has one daughter, Annette, married to Mr. Basil H. Harley, elder brother of Dr. R. M. Harley, who is now on the Herbarium Staff.

---

PLEASE GIVE ALL THE SUPPORT YOU CAN  
TO THE GUILD

## THE ANNUAL DINNER, 1968

The Annual Dinner was held at the Chatham Restaurant, Victoria Station, on Wednesday, 22nd May, 1968. With Mr. F. P. Knight as President for 1967/68, there were 140 members and guests. The meal was a very attractive one consisting of Smoked Trout and Horseradish Sauce; Minestrone Soup; Roast Saddle of Lamb, Mint Sauce, Red Currant Jelly, Garden Peas, Roast Potatoes; and Cassata Denise followed by Coffee.

After the toast to "The Queen", that of "The President" was proposed by Mr. Leslie Slinger of Donard Nurseries Co. He spoke of the President's long association with the nursery industry and with the R.H.S. Gardens, Wisley. Mr. Slinger spoke as a friend, for they were together at Kew as students being in the same lodgings in Pagoda Avenue. He was also best man at the President's wedding.

Mr. Knight responded with an account of his experiences with the nursery trade, and as Director of the R.H.S. Gardens, Wisley. He also mentioned his recent journey to New Zealand, and in particular a dinner which he attended of the New Zealand Branch of Kewites held in Wellington. There were twenty Old Kewites present. After the toast to the Kew Guild, Mr. Michael Cudd, a student, rose to introduce the Guests: Mr. M. Slocock, Director, Walter C. Slocock Ltd. and Mr. D. Marshall, Director of Parks, Folkestone. Mr. Slocock then spoke on behalf of the guests. Afterwards the President called upon Mr. J. A. McPherson (1924) who gave a brief account of the meeting and dinner of the New Zealand Branch at Wellington, when Mr. Knight was present.

Following the formal part of the evening, groups gathered on a crowded floor and the barriers of time and distance were broken down, for all were students once more, as in their clogs and aprons they trod the familiar paths of Kew. With such a high attendance there were so many to see and talk to. It is this informal gathering which makes the Dinner so worthwhile—if only we can hold these numbers, or even increase them. We can and we will, so please attend the 1969 Dinner.

### GUILD EMBLEMS

<b>Kew Guild Ties</b> (Navy Blue Terylene) ... ..	20/- each
<b>Kew Guild Blazer Badges</b> (Hand-made, Gold Wire) ... ..	58/- 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
(5 ft.) ... ..	30/6 each
(Navy Blue background colour)	

All prices are inclusive of packing and postage.

All cheques, postal orders, etc., should be made payable to Kew Guild.

*Prices are likely to rise as present stock is replenished.*

## ANNUAL GENERAL MEETING, 1968

The A.G.M. was held in the Lecture Theatre at Kew on 21st September, 1968. The President, Mr. Frank Knight, was in the Chair with the Hon. Editor, Mr. G. E. Brown, the Hon. Treasurer, Mr. J. B. Simmons, the Hon. Secretary, Mr. F. N. Hepper, and 42 other members present.

The President welcomed the members and introduced the business. First he recalled the work of the Guild during the year and the regular Committee Meetings that had been held. The President added a personal note about the highlight of the year, as far as he was concerned—this was his visit to New Zealand, during which he attended a dinner on 6th March, arranged by sixteen Kewites working in that country. It was the first time such a reunion had been held in New Zealand, and Mr. Knight felt it was a notable occasion.

*Apologies for Absence.* The following apologies had been received: Mrs. N. Alcock, Mr. F. H. Eul, Mr. F. Flippance, Mr. R. Marshall, Mr. L. Pemberton, Mr. F. P. Ryder, Mr. M. S. Sands and Mr. J. R. Sealy.

*Deceased Members.* The President asked for all present to stand whilst the names of members who had died since the last A.G.M. were read out as follows: Messrs. R. A. J. Holder, A. W. Proudlock, R. O. Williams, T. H. Veal, H. Scholz, P. J. Popsdorf, A. E. Oliver, J. Simmons, W. Cowley, W. L. Lavender, H. E. Downer and A. F. Wuyts.

*Minutes of the last A.G.M.* have been circulated to all members in the *Journal* (Vol. VIII, No. LXXII, pp. 756-760 (1968)) and they were approved at the meeting. No matters arose from the Minutes.

*Reports of the Guild Officers:—*

*Accounts for the year ending 31st December, 1967*, had also been printed in the *Journal*, pp. 814-816, and the Chairman asked for formal approval. Mr. C. W. Rudd proposed, and Mr. W. E. Storey seconded, that they be approved and it was agreed unanimously. The Hon. Treasurer then summarised the half-yearly statement up to the end of June, 1968. The printed notice of the Agenda read as follows: receipts £457 11s. 1d.; expenditure £393 13s. 11d.; amount in deposit account £750; amount in current account £171 15s. 0d.; amount invested in Charity Commission £2,750.

The Chairman congratulated the Treasurer on reading such a satisfactory account, and observed that perhaps he should reconsider his vocation as he had such a flair for financial matters!

*Sale of Guild Emblems.* The Treasurer thanked Mr. R. I. Beyer for looking after the various items for sale. During the year the sales amounted to: Cuff-links, £3 0s. 0d.; Ties, £1 0s. 0d.;



Scarves—5ft., £1 10s. 6d., 6ft., £1 15s. 6d. ; Car Badges, £1 17s. 6d. ; and Blazer Badges, £2 18s. 0d. Mr. W. T. Preston suggested the Guild ceased trading in Scarves and Cuff-links in view of the small sale and Mr. Rudd hoped they would be on display at the Annual Dinner to encourage sale of the remaining stock.

*Membership.* Life Members totalled 289, Staff Members 44, Students 59 and other members away from Kew 341, giving a total membership of 733. Mr. M. J. Dawes was thanked for all the work he put in on the membership side. During the discussion that followed various suggestions were put forward for increasing membership. The Secretary commented that there is a large potential membership, including present staff of whom comparatively few had joined, and he announced his intention of trying to increase the numbers to make the Guild more representative. Attention was drawn to the sub-committee which had recently been set up to re-consider in the light of the existing Kew staffing the categories of staff who might be eligible for membership of the Guild. The sub-committee was due to meet in the Autumn and to report to the full committee, in time for any resolution to be ready for the next A.G.M. All members had been asked on the printed notice with the A.G.M. to forward their views on the subject to the Secretary.

*The Journal.* The Hon. Editor stated that the last *Journal* had been published in record time, during the third week of April and copies were distributed rapidly, thanks to prior preparation of the envelopes. He felt it was more important to make sure that each issue was below a certain weight in order to qualify a low postage rate ; otherwise the Guild would be paying a great deal more for postage with no benefit. No advertisements appeared in the last issue and the Editor was very pleased with this arrangement since advertisements were more trouble than they were worth. The total number of pages at 107 was the same as the previous years. He was looking ahead to the issue of 1970 which was likely to be a special one in view of the opening during 1969 of the new Herbarium wing and the Seventeenth Century Garden, and he felt that the 1969 issue should be a modest one in order to save funds for that of the following year. The Secretary said he was approaching the Bentham-Moxon Trustees to see whether they would provide a grant towards that issue in view of its historic importance.

*Collection of Photographs.* The Secretary reported that no further photographs had been added to the collection kept by Mr. S. W. Rawlings. Mr. G. S. Joy called for photographs of Kewites to be on view to members, as they never saw them. A suitable occasion would be the Annual Dinner and Tea, proposed Mr. C. E. Cherry, but Mr. Rawlings wryly observed that the photographs, although historically interesting are not very decorative, as people would see for themselves if he put them out. It was also reported that three back numbers of the *Journal* had been sold during the year.

*Annual Dinner.* A record number of 140 Kewites and guests were present at the Dinner held at the Chatham Room Restaurant, Victoria, on Wednesday, 22nd May, 1968. Mr. F. Knight, the President, attended, and the Guests were Mr. Martin Slocock, President of the Horticultural Trades Association, and Mr. David Marshall, Director of Folkestone Parks. The Committee is especially grateful to Mr. John Woodhams for helping with the arrangements and the distribution of the tickets. Owing to the large number present and cheaper printing costs, the dinner had made an unexpected profit of £12 4s. 5d., which will be carried over to next year's event.

*Prize Day.* A new date for the Prize Day has been decided by the authorities, and in future it will be held in the middle of September to avoid the holiday period and to allow students who have to re-sit examinations to participate. This meant that the Prize Day and the Guild A.G.M. will both be held in September. The Committee felt it would be convenient if the two functions could be held on the same day to allow more Guild members to attend. The idea was not agreed to by the Director, and in the event this was a wise decision in view of the large numbers attending the prize-giving. Prize Day 1968 was held on Friday, 20th September, the day before the Guild A.G.M. and the students' exhibition of work was retained for inspection by members. Several members attended the prize-giving and Mr. Knight represented the Guild on the platform. The Director, Sir George Taylor, spoke and introduced Lord Aberconway, President of the Royal Horticultural Society. He presented the prizes, many of which are donated by the Guild. Tea was served in the delightful surroundings of the Orangery.

*The Guild Committee.* The Secretary thanked most sincerely the retiring President, Mr. F. Knight, and Vice-President Mr. V. S. Summerhayes and the Committee members who had reached the end of their term of service. The latter were Mr. C. Cherry, Mr. L. Pemberton, Mr. W. T. Preston and Mr. M. Theron in South Africa; and the retiring auditor Mr. F. P. Ryder; the retiring student representative was Miss M. Jones who was to be replaced by Mr. G. Armstrong nominated by the students. The Secretary also thanked the Assistant Secretary, Mr. Martin Sands, who had served a most valuable function in keeping the minutes during Committee Meetings. In fact it was felt that it was highly desirable to maintain an Assistant Secretary to afford continuity of the working of Guild affairs. The Secretary thanked the officers of the Guild who were to his great relief nobly offering to continue in office.

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

The following, who had been nominated by the Committee, were elected *nem. con.*: *President*: Mr. E. Milne-Redhead; *President-Elect*: Mr. C. R. Stock; *Vice-President*: Mr. F. Ballard; *Hon. Editor*: Mr. G. E. Brown; *Hon. Treasurer*: Mr. J. B. Simmons; *Hon. Secretary*: Mr. F. N. Hepper; *Members of the*

*Committee* : Mr. J. Norris (Rome), Mr. A. P. Paterson (Abingdon), Mr. F. P. Ryder (Richmond), Mr. A. D. Schilling (Wakehurst Place), *Hon. Auditor* : M. D. Hunt.

All these gentlemen were elected with acclamation !

*Alteration to the Rules.* The printed agenda circulated to all members included the following proposed amendment : " Rule 3c add additional paragraph : 'Honorary Membership may be awarded at the discretion of the Committee to a former officer (Hon. Editor, Secretary or Treasurer) who has rendered worthy service.' "

The Secretary introduced the proposals by saying that he intended countering possible criticism by drawing members' attention to the safeguard written into the addition that Honorary Membership should be awarded *specifically* to certain officers of the Guild, and then only if the Guild Committee considered that their service had been of particular merit. In the past it had been customary for the Committee to solicit a donation from members, but in these days of rising expenses it was felt that there was a limit to the approaches that could be made to members for finance. It was the honour which the Guild wished to extend to the person concerned, and if this alteration was approved it was intended that Honorary Members' names should appear in the *Journal*. The whole matter had been the subject of lengthy deliberation by the Committee, and it was now felt that this was a very suitable way of recognising an officer. Various members spoke in favour of the proposal and Mr. Ballard suggested that the wording be changed to read "outstanding" service. The proposal was formally put by Mr. Joy and seconded by Mr. Cherry, and carried unanimously. The Secretary then announced the decision of the Committee to nominate Mr. S. A. Pearce and Mr. J. R. Sealy as the first recipients of the honour. Mr. Pearce who was soon to retire from Kew had been Editor from 1946-54, and had taken real interest in the Guild for very many years, and he had previously received no specific recognition. Mr. Sealy as all know had put a great deal of enthusiastic work into the Guild, modernising it and putting it on the basis of a charity, with all the financial benefits likely to occur from such a step. He had also shown initiative in obtaining and registering a heraldic crest and badge. It was fitting that he should be honoured too. The meeting greeted the announcement with acclamation, and examined the fine certificates that had been prepared for presentation on another occasion, neither of the recipients being present at the meeting.

There being no other business the meeting closed at 4 p.m. and tea was held in the Orangery ; about 90 members and guests attended. The President welcomed relatives and friends of members of the Guild and asked several overseas members to make themselves known by standing. The President said how glad he was to have so many present and accorded them a special welcome, and hoped they would carry our greetings back with them to their own country.

F. NIGEL HEPPER, *Hon. Secretary.*

## PRESENTATION OF KEW DIPLOMAS AND PRIZES

This event took place in the Lecture Theatre on Friday, 20th September. The occasion opened at 2 p.m., when the visitors were able to inspect an exhibition of the students' work in the Jodrell Laboratory. Many of the visitors were parents who obviously appreciated the tour of this exhibition, conducted by their son or daughter. This made the occasion a very pleasant one.

At 2.50 p.m. the gathering assembled for the presentations which were made by Lord Aberconway, V.M.H., President of the Royal Horticultural Society. Space will not permit a full publication of the speeches, word for word, but a fairly detailed account is needed, for both Sir George Taylor and Lord Aberconway went to considerable lengths to explain their views upon the future of the students' course and the N.D.H. examination.

Sir George Taylor, the Director, made the introductory speech as the ceremony opened promptly at 3 p.m. After welcoming the parents and thanking the lecturing staff he continued—"My own personal thanks are due to Mr. Pemberton, the Supervisor of Studies, and Mr. Shaw, the Curator, who maintained the smooth running of the course through all difficulties, and are ever ready with sound advice on points where change is needed. I also welcome Mr. Frank Knight, both as a very old friend, and in his role today, as President of the Kew Guild. We are very glad indeed to see you and although it does not say so in the programme I shall be calling upon you later to say something on behalf of the Guild, to whose generosity we are very much indebted for the fine selection of prizes which we are able to award. On the subject of prizes I am indeed delighted to say that this has been indeed a really notable year and I want to pay a very special and warm tribute to my friend, Mr. Ernest Thornton-Smith, Senior Past Master of the Worshipful Company of Gardeners, who is with us today and who has very generously founded, together with the Thornton-Smith Young People's Trust, a new annual award to enable one Kew student each year to travel in the West Indies or South America to study plants growing in the natural habitat which he or she has in the past helped to grow in artificial conditions at Kew. This amount of £800 far exceeds any other prize available to Kew students and its establishment is a magnificent and generous gesture on the part of Mr. Thornton-Smith. On behalf of all future Kew students, I do thank you, Mr. Thornton-Smith, for making possible this splendid opportunity for our young people to gain overseas experience. (Hear, hear, and applause from the audience).

This is not the only new award founded during the year. The Landsman's Bookshop, of Buchenhill, Bronyard, Herefordshire, which is a great help to our students in getting hold of the books that they want, has kindly covenanted to present a prize each year for the leading student in landscape gardening and construction. Mrs. Young, of the Landsman's Bookshop, couldn't be here today

to see the first award, but in her absence I should like to thank her on behalf of all Kew students for this generosity.

During the past year, moves by the Department of Education and Science towards the establishment of the new National and Higher National Diploma in Horticulture have continued and we have considered, along with the Royal Botanic Gardens, Edinburgh, and the Royal Horticultural Society at Wisley, whether or not any changes are needed in our courses to meet this new situation. I am happy to say that, whatever may happen after my time, there seems no prospect at present that any major alteration will be needed in the Kew scheme for some time yet. I have, indeed, recently received a letter, I hasten to say unprompted by any action of mine, from the Director of the New York Botanical Gardens, saying that in his opinion, the Kew Course is the finest of its kind in the world. While unsolicited praise of this sort comes in from such sources, I have every reason to be satisfied with our standards and methods and with the general orientation of the course.

In 1958, the Ashby Visiting Group accepted my suggestion that training at Kew should be slanted as far as possible towards the National Diploma of Horticulture awarded by the Royal Horticultural Society, and in making arrangements for our course, we have always borne the requirements of this diploma predominantly in mind. We cannot of course provide all that is wanted because our facilities for teaching commercial horticulture are limited and we do not expect our students to reach N.D.H. Final standard while at Kew, although every encouragement, I hasten to say, is given to them to do so. Our success in achieving our aim, however, can be measured by the fact that almost every year, at least one of our students does surpass expectations, and gets through the N.D.H., Final Examination while still at Kew. This I am glad to say, Miss Elizabeth Stevens, who you will see coming up to receive her Diploma later on, has succeeded in doing this. Congratulations, Miss Stevens, your achievement brings credit not only to you but to Kew. I understand, too, that the Kew Guild is giving further congratulations, that later on this afternoon, you will receive from the Guild, the more practical reward of the refund of your twelve guineas for the examination fees.

Five other students, Miss Lee, Mr. Child, Mr. Esmonde, Mr. Hindmarsh and Mr. Roby have passed the N.D.H., Intermediate Examination and go on, I hope successfully, to the final stage.

As the years have gone on, I have been increasingly impressed with the wisdom of the Ashby Group decision. The Royal Horticultural Society sets a very high standard for the N.D.H., from its inception fifty years ago and has never wavered in its determination that this standard should not be lowered. To this firm attachment to the very best, both in principle and practice, by the leading horticultural society in the world, may be attributed, in my opinion, the high reputation that British Horticulture holds throughout the world. In hitching our Kew wagon to this star, we have also benefited.

Lord Aberconway followed and during his speech he referred to his predecessor as President of the Royal Horticultural Society, The Hon. David Bowes-Lyon who was, he reminded his audience, trained at Kew. He continued—"He was and he greatly appreciated that and was grateful for it, as he so often said, all his life." From the time of Sir Joseph Banks, to whom both the R.H.S. and Kew owe a very great deal, to the time of Sir David Bowes-Lyon, Kew and the R.H.S. have had much in common and many individuals have had links with both. Indeed, Sir George Taylor has for many years sat on the Council of the R.H.S. and has helped that Society in more ways and in a greater degree than I could possibly describe. The Director of the R.H.S. Gardens at Wisley, Mr. Frank Knight, who is here today was as you know trained at Kew, is a life member of the Kew Guild and is indeed, this year, The President. The recently appointed Curator at Kew, Mr. Shaw, is a Wisley-trained man. Indeed the annual marathon race from Kew to Wisley, undertaken in competition by the students of both institutions, serves to show those who participate the way from the one establishment to the other, which may indeed in after life be of great help. While the fiercely fought debates between the social clubs of each student body are, to my mind, by no means the least valuable part of a gardener's training. Although the R.H.S. has a long tradition, Kew, of course, is older, both as an institution interested in plants, and as the educational body. In 1759, 45 years before the R.H.S. was founded, Kew began, and almost immediately, started to train gardeners and send them out to far parts of the earth. If you care to look there is a plant in the Palm House, *Encephalatos longifolius*, one of the cycads, which was sent to Kew from overseas by a Kew-trained man, as long ago as 1775. I wonder how many student gardeners who watered that plant, spare a thought for the thousands of their predecessors who must, in the course of their duties, have cared for it. I regard its continued healthy existence as a tribute to the efficiency of Kew training that no student gardener has yet succeeded in killing it, or perhaps it may be a tribute to the management of Kew that they readily discern the more lethal of their students and keep them away. (Laughter). Sir George has said some kind things about the N.D.H., the National Diploma of Horticulture. We, too, at the R.H.S. have been taking a careful look at our future educational policy both as an examining body, and as an institution for training students. In the light of the introduction of the new National Diploma, the O.N.D. and H.N.D. to distinguish them clearly from our own N.D.H., we have come to the same conclusion as Kew, and we think in particular that the N.D.H. will long continue to be recognised as the touchstone of horticultural expertise and Miss Stevens I am very glad to think that you have been awarded it so early in your horticultural career. So, however the situation may change in future years, we do not see anything at present in the proposed new National system which would indicate that R.H.S. ought to drop the N.D.H. Examination nor to alter the nature of our training of

Wisley students. Certainly we shall not give up the N.D.H. without due warning and certainly not in such a way as to leave any candidate stranded between the Intermediate and Final stages of their examinations."

At the end of his speech Sir George Taylor then called upon Mr. Knight to speak on behalf of the Guild. He spoke as follows—"I am very pleased to be here as the President of the Kew Guild for this year. The members of the Guild have, for several years been engaged in collecting money for prizes. These prizes among others are to be presented this afternoon and this has been the result of some very wise Committee work, where one has sat around the tables and thrashed these things out. Appeals have been made to members to offset the fall in the value of money by donations so that the standard of the prizes can be kept up and we have, I think, succeeded.

"Now, the Kew Guild is a very wide, worldwide organisation and I can speak more strongly about this than I did in the few words that I said last year because in the meantime I have had the great good fortune to go to New Zealand and last March, March 6th actually, one evening in Wellington, there was a dinner party of the New Zealand branch of the Kew Guild and I think some sixteen Kewites turned up that evening, and as the evening developed, my wife will remember this, it got better and better, the anecdotes and reminiscences of what really happened at Kew and what they really said to Charlie Raffill got better and better, and I wish that we could have taped what was said there and played it back—well, rather discreetly probably. But it was wonderful to be there and see these people come from all over the country of New Zealand and to talk of Kew and the warmth which was engendered and to realise that they held down the top jobs. There are some of them here today, Mr. J. A. McPherson, who is Director of Reserves in Auckland, Mr. I. Galloway, the Director of Parks, Wellington, Mr. D. Leigh, who is the Director of Parks at Nelson, and who is a great mountaineer and plant collector in the Southern Alps. We spent time with all of them and there it is, you went around, and wherever you went, there was a member of the Kew Guild ready to help the others who came along, and even to send people over and see that they are well equipped to take the courses.

"Now I would like to congratulate winners of the prizes. There are many more than there were in my day. I can't help reminiscing a little, because I had the good fortune, on two occasions, to go away with the Hooker Prize, and I remember with the greatest affection the work we put into the collection of British plants. This was my main love at Kew, the collection of British plants and British flora and, since my time, the Dümmer Prize has been established, and today I have seen some wonderful examples of herbarium specimens in the Laboratory and I would like to congratulate those who have collected those plants and presented them in such a way. Botanizing is my first love, and just recently my wife and I have been up on Skye and although it was very,

very wet indeed, I did scramble around a bit and there was quite a mass of *Parnassia palustris* to be seen dotted around over a very wide area, hundreds of flowers of *Parnassia palustris* and this took me back, because I had not seen that plant for many, many years.

“This is the joy of the Kew course, because you get such a varying lot of lectures, you get the chances of going out to see other places, you are even fortunate enough to come down to Wisley and to be conducted around trials, and we won't go into the other things about what you come down for, but there it is.”

At the conclusion of Mr. Knight's speech, Lord Aberconway made the presentations of the Kew Diplomas and Prizes. A full account of these is given overleaf.

After a few closing remarks by Sir George Taylor the ceremony closed. Tea was served in the Orangery.

### PROJECT/THESIS LIST OF TITLES, 1968 ON EXHIBITION IN JODRELL LABORATORY

(on display at Prizegiving)

- |                 |     |  |
|-----------------|-----|--|
| A. Balfour      | ... | A study of the genus <i>Lithops</i> .  |
| R. Cowley       | ... | Biological and integrated control of Phytophagous arthropod pests.                               |
| M. Cudd         | ... | Lichens.   |
| S. Dyall        | ... | Bonsai.  |
| R. Hebb         | ... | The educational value of living plant collections in Botanic Gardens.                            |
| H. Heywood      | ... | Use of growth retardants on ornamental plants.   |
| C. Hindmarsh    | ... | Nutrition and culture of <i>Begonias</i> .   |
| C. Jones        | ... | A study of <i>Bellis perennis</i> .  |
| Miss M. Jones   | ... | <i>Eucalyptus perriniana</i> .   |
| D. Miller       | ... | The genus <i>Nelumbo</i> .   |
| G. Pattison     | ... | The new bit old <i>Metasequoia</i> .   |
| R. Pitt         | ... | <i>Sansevierias</i> for fibre.   |
| J. Roberts      | ... | Cultivation of <i>Proteas</i> in Great Britain.  |
| S. Scarr        | ... | A study of the physiological factors affecting the germination of <i>Rhododendron zoelleri</i> . |
| I. Shephard     | ... | The design and construction of aquatic gardens.  |
| G. Smith        | ... | <i>Passifloras</i> at Kew and in commerce.   |
| Miss E. Stevens | ... | Siberian wallflowers.  |
| D. Walshaw      | ... | <i>Abutilons</i> —their history and cultivation.   |
| A. Webster      | ... | Seaweeds and their use in horticulture.  |
| A. Weir         | ... | Semi-mature trees.   |
| F. Yong         | ... | An assessment of the horticultural merits of “tender” Conifers as indoor decorative plants.      |



## KEW DIPLOMA AND PRIZES, 1968

*Kew Diploma.* This is awarded to students who have completed satisfactorily a three-year course of study at the Royal Botanic Gardens. The following students received the Diploma with Honours this year: R. C. Cowley and A. D. Webster. The following students received the Diploma: A. H. Balfour, M. R. Cudd, S. W. Dyall, R. S. Hebb, H. Heywood, C. Hindmarch, C. W. Jones, Miss M. Jones, D. H. Miller, G. A. Pattison, J. D. Roberts, S. C. Scarr, I. M. L. Shephard, G. F. Smith, Miss E. Stevens, N.D.H., D. Walshaw, A. M. Weir and F. C. Yong.

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

*The Ernest Thornton-Smith Travelling Scholarship* (Value: £800). This prize is presented jointly by Mr. Ernest Thornton-Smith and the Thornton-Smith Young People's Trust under the auspices of the Worshipful Company of Gardeners (of which Mr. Thornton-Smith is Senior Past Master) to enable a Kew student-gardener to travel to the Caribbean or Tropical South America for the purpose of enlarging his knowledge of the plants of these regions. It is awarded at the discretion of the Director, Royal Botanic Gardens. This year the scholarship has been awarded to M. R. Cudd.

*G. C. Johnson Memorial Prize.* This prize, which consists of a copy of the R.H.S. Gardeners' Dictionary, together with a cheque for £27, is presented from a fund administered by the Bentham-Moxon Trustees on behalf of the *Grower*. It was founded in memory of Mr. G. C. Johnson, a famous "Old Kewite" who had the interest of Kew students very much at heart. It is awarded for the best overall performance on the Kew Diploma Course and was won in 1968 by R. C. Cowley.

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

*Landsman Bookshop Prize.* This prize (value: 2 guineas) is awarded for the best work on landscape design and garden construction. It has been awarded jointly this year to J. D. Roberts and I. M. L. Shephard.

*Sir Joseph Hooker Prize.\** Presented by Sir George Taylor, Director of the Royal Botanic Gardens, in memory of his famous predecessor, Sir Joseph Hooker, to the student who has done most for the Mutual Improvement Society. Won this year by Miss S. Ash.

## KEW GUILD PRIZES.

The following prizes have been presented by the Kew Guild :—

*Matilda Smith Memorial Prize.* Awarded in memory of Matilda Smith, artist at Kew for many years, to the student adjudged best at practical work. Won jointly this year by M. R. Cudd and R. S. Hebb.

*C. P. Raffill Prize.\** Awarded in memory of C. P. Raffill, a former well-known Assistant Curator of the Royal Botanic Gardens, to the student giving the best paper to the Mutual Improvement Society. Won this year by M. J. Shorey.

*Dümmer Memorial Prize.* As part of their training, student-gardeners are required to make a collection of properly dried, named, mounted and labelled specimens of the British flora. The prize for the best collection has this year been awarded to R. S. Hebb.

*Proudlock Prize.* The runner-up for the best plant collection also receives a prize. Awarded this year to M. R. Cudd.

*Prize for the best garden plot.* During the first year of the course students are required to cultivate a garden plot. The prize for the best plot by a student finishing this year is awarded to M. R. Cudd.

*Prize for the best individual study.* Student-gardeners are required to carry out an individual study project during their course. The prize for the best one has been awarded to Miss E. Stevens, N.D.H.

*Refund of N.D.H. Examination Fees.* The Kew Guild refund the fees of successful N.D.H. finalists. Eligible this year is Miss E. Stevens, N.D.H.

*Mutual Improvement Society's Prize.\** For the member who has taken the most active part in its discussion and debates. It has been awarded this year to G. Burgess.

*Plant Identification Tests.* Prize for the best performance awarded to C. W. Jones.

*Photographic Society.* Mr. S. W. Rawlings, Assistant Curator, kindly presents a prize for the best photographic effort by a Kew student-gardener. It has been awarded this year to C. W. Jones.

\* The recipients of the three prizes starred are chosen by ballot among the Mutual Improvement Society's members.

## MUTUAL IMPROVEMENT SOCIETY

During the session 1967-68 three lectures were given by members of the Kew Staff, eleven by students and one by an outside speaker. At the opening three speakers gave opinions upon the "Apathy of the Student Body". They were Messrs. J. B. Simmons (Deputy Curator), E. Macdonald (Garden Supervisor) and P. A.

Ketley (Student). Some members questioned the validity of the society in its present form. The average attendance for the meetings was twenty-six.

The subject for the Kew-Wisley Debate was—"That this house believes that this country cannot support the poverty of other countries and that all coloured immigrants should be barred". The motion was carried by a narrow margin. The internal debate laboured on the problem of whether "The English ways of life are inhibited by tradition". Eleven contestants took part in the Ad-Lib Competition. Miss Susan Ash winning with her three-minute talk on "Beards". The High-Kew Quiz under the Chairmanship of Sir George Taylor the Director, proved once more to be a success.

The prizes were awarded as follows The Hooker Memorial Prize, Miss S. Ash; The C. P. Raffill Prize, M. Shorey; The Society's Prize, A. G. Burgess; The Keith Jones' Cup, Miss S. Ash.

A book token was awarded by Mr. B. Halliwell, Assistant Curator, to R. Wickham, runner-up in the competition for the best lecture.

#### SYLLABUS : OCTOBER, 1967—MARCH, 1968

- Oct. 9 Apathy of the Student Body—Messrs. J. B. Simmons, E. W. Macdonald, P. A. Ketley.  
 16 The History of Kew—R. G. C. Desmond (Librarian).  
 23 Copenhagen Botanic Garden—D. Walshaw (Student).  
 30 Arboriculture; The Profession and the Community—D. V. Wells (1936) (Chairman of the Arboricultural Association).
- Nov. 6 The effect of the Glacial Epochs on the British flora—A. G. Burgess (Student).  
 13 Horticulture in Geneva—M. Alderson (Student).  
 20 Insect Collecting—M. Shorey (Student).  
 27 The Mounting and Preservation of Insects—D. Evemy (Student).
- Dec. 4 Munich Botanic Garden—A. Esmonde (Student).  
 11 Internal Debate—A. G. Burgess, D. Coleman, P. A. Ketley, M. Tomlinson (Students).
- Jan. 22 Epiphytes—M. Norton (Student).  
 29 The Villa Taranto—D. Miller (Student).
- Feb. 5 Malaya and its Tropical Rain Forest—F. C. Yong (Student).  
 12 Some aspects of Irrigation—S. Goodyear (Student).  
 19 Younger Botanic Gardens—R. Shaw (Curator).  
 26 The "Ad-Lib" Competition.
- Mar. 5 The Kew-Wisley Debate.  
 11 Lecturing—R. Shaw (Curator).  
 18 Chemical Resistance in Insects of Economic Importance—R. Wickham.  
 25 The "High-Kew" Quiz.

#### MUTUAL IMPROVEMENT SOCIETY

In addition to the usual report and programme, we have provided an extract from a report which was submitted to the Curator in early December. The value of the Society had been questioned by a few and this prompted some research and a report.

The Society was formed twenty years before the Kew Guild in 1873. Since the latter's inception the Guild's *Journal* has carried

an annual report, and it is from these that the figures of attendance and numbers of meetings are known.

The venue in the early days was the Gardens' Library with aims which were set out as follows—"This society is composed exclusively of gardeners employed in the Royal Botanic Gardens, Kew, and limits its proceedings and discussions to essays, etc., on professional subjects".

Sir Joseph Hooker offered a prize for the best paper which was on "A year in the Garden". The Society prospered through encouragement and enthusiasm, reaching in 1904 an average attendance not to be equalled for twenty-five years. This was the last session to be held in the Library, for the Society moved to the Iron Room. The subsequent drop in attendance was due to : Pressure from evening classes (still with us today), having to share the Iron Room with other societies which resulted in several activities going on at the same time and from what was described as—"at times, the uninviting climate of the building".

The low number of attendances in 1910 prompted an innovation in the Society and a sub-foreman took the Chairman's position. Although attendance figures rose, the report of 1912-13 stated that "The Society is not that of ten years ago". Since then the Society has had "ups and downs" due to, falling off of enthusiasm, the two wars and in my opinion, an inability of the committee at times to foresee retrograde tendencies.

The rules of the Society and more especially of the Lecture competition have been changed many times, sometimes unnecessarily. Several sets of rules without dates or the Honorary Secretaries' names can be spread at random throughout the literature. On the whole the Society has, through the lectures and social intercourse which has resulted from this, imported much information and equipped the members with abilities which were of great value to them in their chosen professions.

To date the average attendance is 38. This is not good enough and the committee is taking steps which it hopes will improve this figure. Extreme care must and is being taken in the choice of lecturers. A questionnaire was circulated and valuable information gleaned from it. Another may be circulated next year. Some of the reasons for non-attendance are being removed :—

- (i) Almost all Kew employees are informed of meetings well in advance.
- (ii) Meetings are occasionally held on Tuesdays to determine the real effect of evening classes.
- (iii) More specialists are lecturing.

Past records pertaining to the Society are minimal, and the correspondence file consists of incoming mail. This makes it difficult for officers to effectively find their feet on taking over their respective posts. The next changeover will not be a sudden one and the Executive Committee are already approaching certain persons

that they might become conversant with the running of the Society before the end of the Spring session. The records are as complete as necessary and the files contain "work notes" outlining procedure in all matters.

With this and the continued encouragement of the Curator and his Staff, the participation of the Jodrell, Herbarium, and Director's Office Staff, the Mutual has another chance, if only a small one, of equalling some of the past attendance figures.

A. G. BURGESS, *Hon. Secretary.*

Bibliography—from *Kew Guild Journals*: (1905) Vol. II, No. XIII, p. 234; (1911/12) Vol. III, No. XIX, p. 10; (1913) Vol. III, No. XX, p. 80; (1920) Vol. III, No. XXVII, p. 485; (1916) Vol. IV, No. XXXIII, pp. 372-377.

### SOCIAL SECTION

The first social event of the year was the Kew/Wisley Dance, held at the Wigan Hall, Mortlake. The event was successful, complete with an over-jovial Scot's Pipe Major, who created an atmosphere, if nothing else. Mr. Brenan presented awards to the successful teams during the dance interlude.

The Cheese and Wine Party was held in October to welcome the new intake of Students to Kew. This event seems to go from strength to strength, and is now one of the best supported social functions Kew undertakes. Invitations, this year, were extended to all lecturers as well as members of staff, and all agreed that the evening was very successful and was to be encouraged in future years.

The Christmas cabaret was "rested" this year and a Fancy Dress Dance installed in its place. Although support was somewhat lacking, it turned out a success with some fifty people "dressed". The Director, Sir George Taylor, Mrs. Metcalfe and Mrs. Cutler made an excellent judging panel, and the ten prizes awarded were well distributed.

I would like to thank all who have given assistance in the running of these events and wish the Section further success in 1969.

R. ROBY, *Hon. Secretary.*

### STUDENTS' UNION REPORT

Following a year of hard work by our Past President, Mr. Graham Smith, the Union has again made steady progress. This has not always been apparent to our members, but the initial stumbling blocks were larger than most people realise. Much of the credit for our present position must go to the Curator, Mr. Shaw, whose enlightened attitude has been refreshing for us all. Socially we seem to be ever contracting fund-raising schemes which we have in the past relied upon. These have to say the least, sagged a little, a fact which is peculiar indeed when one bears in mind the financial increases which we have received over the last year or two.

The Wine and Cheese Party was again a great success. For a change a fancy dress was arranged for the Christmas Party much to the relief, we understand, of the Assistant Curators and Garden Supervisors. Many were apprehensive over making a public appearance in fancy dress, but the gloomy predictions of a failure as far as the occasion was concerned were unfounded.

We hold much hope for the future with more students than ever before taking the N.D.H. and ever-increasing use being made of our newly won corridors of communication. Not all is completely justified we admit but we feel the Gardens could well derive great benefit from vigorous student activity and participation.

A critical eye is being turned inwards as well, as we prepare a thorough examination of our organisation. We have it seems been obeying Parkinson's Law to the letter and can now boast, if boast is the right word, a proportion of one executive member to two rank and file. Even better than the Civil Service we think.

To close for this year, our thanks as always to those who took up the cross of service on behalf of their fellow students. Without their active support, nothing could be done at all.

P. A. KETLEY, *President*, 1968/69.

#### FOOTBALL REPORT

On the three-cornered, six-a-side tournament which was held during the summer of 1968, we started as rank outsiders, but our performance was much better than was anticipated, and we finished as runners up to Wisley on goal average, and 2 points ahead of the Grotto.

The 1968-69 season has been little more than average, having played five games with two cancelled, owing to inclement weather. Results to date are—won 2, lost 3. One occasion which must be recorded was that memorable day on the 10th November when we trounced Wisley, 6—0 on their home ground!

I should like to take this opportunity of thanking students and staff who have played so far this season, and hope our game improves to afford us some more favourable results in the eight remaining fixtures.

R. STORR, *Hon. Secretary*.

---

#### REMINDERS

**ANNUAL DINNER: Tuesday, 20th May 1969**

**ANNUAL GENERAL MEETING AND TEA  
Saturday, 27th September 1969**

## ATHLETICS

The section has again had a successful year, due mainly to the keenness and determination of those taking part. Training has already been undertaken for the 1969 season, and it is hoped that we will at least be as successful as in the past seasons.

## KEW/WISLEY RACE

The 18th annual race was held on Saturday, March 9th in ideal running conditions. The race attracted eleven teams this year from as far as Askham Bryan and Edinburgh. Mr. Brickell from Wisley started the race at 2 p.m. outside the entrance to the R.H.S. garden.

At the end of the first lap Wisley were 1st, Kew Guild 3rd, and Kew trailing in 8th position, due to many teams running their best runners on the first lap. On the second lap M. Holloway ran extremely well to hand over second behind B. Penberthy running for Kew Guild. C. Isles ran a fine third lap to finish second behind Pershore who had taken the lead. This was amended by P. Styles who opened up a commanding lead, followed by P. Boys on the fifth lap who ran extremely well to maintain the lead. B. Roby brought the race to a successful conclusion in the new time of 103 mins. 40 secs.

This was a double hat-trick of wins, a feat unequalled in the history of the race.

Pershore were second for the second consecutive year followed by Askham Bryan, Edinburgh, The Grotto, Kew Guild, Merristwood, Oaklands, Secretts, Wisley, Writtle.

Details of team laps : —

Lap 1.	R. Johnson	...	2.9 miles	17 mins. 15 secs.
Lap 2.	M. Holloway	...	3.2 miles	16 mins. 35 secs.
Lap 3.	C. Isles	...	2.8 miles	18 mins. 04 secs.
Lap 4.	P. Styles	...	2.9 miles	15 mins. 43 secs.
Lap 5.	P. Boys	...	3.1 miles	17 mins. 20 secs.
Lap 6.	B. Roby	...	3.1 miles	18 mins. 43 secs.

After the race the Students' Union supplied the teams with refreshments followed by a selection of films.

The prizes were presented, during the dance that followed, by Mr. Brenan, the Assistant Director.

The Pring Cup, Invitation Cup and 1st place medals went to Kew.

The 2nd place medals to Pershore and the Maori Batons to Secretts.

The Guild entered a team this year for the first time, finishing fourth mainly due to an unfortunate leg injury to J. Elsley, who although severely handicapped gamely agreed to run.

### ROUND BREDON RACE, MAY 18TH, 1968

This is a new Road and Cross-country race sponsored by Pershore Institute of Horticulture. Organised on similar lines to the Kew/Wisley Race, it is hoped that it will become an annual event held sometime in April.

Six teams lined up for the start on a cold, wet day, following a week of leaden skies and intermittent rain, which made the course more interesting but very slippery.

At the end of the first lap Kew were in the lead after a fast time by B. Roby, under the conditions. Lap two saw Pershore gain the lead from R. Johnson and this turned out to be the position throughout the race. M. Holloway put up a commendable performance after taking the wrong direction from a badly marked sign. This lap rises over 300 ft. inside the last mile. D. Bull plodded his way across the top of the hill in deep mud, handing over to P. Boys who ran—slipped—his way down the other side of the hill, gaining the fastest time over the lap in the process.

P. Styles finished the race for Kew just as the sun broke.

Medals were presented to the first three teams by Mr. Alwin (Pershore) during the dance and Bar-B-Q which followed.

Race details :—

Lap	Distance	Pershore	Kew	Runner
1.	3 miles	17 mins. 41 secs.	17 mins. 07 secs.	B. Roby
2.	3 miles	17 mins. 59 secs.	18 mins. 40 secs.	R. Johnson
3.	2.9 miles	18 mins. 30 secs.	20 mins. 22 secs.	M. Holland
4.	2.5 miles	18 mins. 20 secs.	19 mins. 28 secs.	D. Bull
5.	3.1 miles	23 mins. 34 secs.	23 mins. 28 secs.	P. Boys
6.	2.6 miles	15 mins. 01 secs.	15 mins. 35 secs.	P. Styles

followed by Staffordshire, Nottingham, Gloucester, Shropshire.

The course is entirely different to the Kew/Wisley, but with extra training it is well within the scope of the team to win it. Next season is awaited with intense interest and anticipation.

### CIVIL SERVICE SPORTS

A very disappointing result this year on a windy, wet day.

#### Results

S. Eastern—164½—Howell Thomas Trophy.

Weybridge—108½.

London—42.

Eastern Region—35½.

Kew—15½.

6-a-side football—Semi-Finalists.

3-a-side cricket—Runners-up.

Tug-of-War.—Runners-up.

Ladies 4 x 110 yards relay—3rd.

Individual athletes were either sadly lacking in number or were not quite good enough for high placings on the day.



### CLOG AND APRON RACE

This event was started on October 24th at 5.20 p.m. by the Director, Sir George Taylor. The results were: 1st (The Pearce Cup), B. Roby; 2nd (Silver Medal), C. Bamkole; 3rd (Medal), A. R. Lovett.

### ROUND THE GARDENS RACE

Nine Competitors lined up for this event which was started at 5.15 p.m. by the Director. The rain, which had been falling heavily through the afternoon stopped just as the race started. M. Holloway went off at a fast pace and maintained the lead throughout, followed by B. Roby and P. Styles.

The results were: 1st (Silver Medal), M. Holloway; 2nd (Silver Medal), B. Roby; and 3rd (Medal), P. Styles. The Departmental Cup went to the Temperate Department, A. Perrott and A. Harvey.

My sincere thanks go to all those who have helped in the successful running of these events during the past season, particularly those who rallied round so marvellously, following M. Shorey's enforced retirement from his post at such short notice.

B. ROBY, *Hon. Secretary.*

### LAWN TENNIS CLUB

The fortunes of the Club are considerably dependent on the weather, which in 1968 never smiled on us long enough to warm our enthusiasm and encourage us to play regularly. Nevertheless there was a welcome increase in the number of players using the courts at weekends, often bringing their wives or husbands, children and tea. The tennis was never very serious and always enjoyable, and I commend the Club's facilities to any Kewite who would like an alternative at the weekend to more fashionable means of "getting away from it all".

Before the season, various improvements to the courts and their surroundings were made by the Gardens Department, and new gates for the access of mowers were provided by the Ministry of Works. We are most grateful for their help to all concerned, not forgetting the students who carried out routine maintenance.

We were pleased to welcome Dr. and Mrs. Barry Tomlinson, making another visit to this country. Mrs. Tomlinson's purposeful play won her the Ladies' Singles tournament and made her a most valuable member of the Mixed Doubles Team. In the Men's Singles it was the team captain, Dr. R. K. Brummitt, who won once again and robbed the Tomlinsons of a double victory. The series of matches against the British Museum (Natural History) was left unfinished at 1—1 to be completed early in the coming season.

D. R. HUNT.

## CRICKET SECTION, 1968

Unfortunately there was a general lack of interest during the season and many matches were cancelled owing to the difficulties in raising sufficient numbers for a team. Of the ten matches arranged, the two most outstanding games were those against Wisley. In the first match with this team, we lost away but we beat them by three wickets on Kew Green. This was our only win of the season.

The season's most notable performance was in the Civil Service Sports where, against stiff opposition we finished runners-up in the three-a-side competition. The team comprised—A. Esmonde, D. Painter and R. Johnson.

The batting averages were topped by A. Balfour (33.0) and A. Esmonde (29.3). In the bowling D. Painter (5.1) and A. Child (14.0).

In conclusion our thanks go to all those who supported this section during the season.

D. M. PAINTER, *Hon. Secretary.*

## TABLE TENNIS

As far as this season is concerned, this section of the Students' Union has been inactive in competitive fields. A hard-core of keen players however meets every Thursday in an attempt to improve their play for the four fixtures which have been arranged against neighbouring colleges during the spring term.

These fixtures have been arranged on an away basis and we look forward to the day when the facilities at Kew are of a standard to allow us to invite other institutions back for a return game.

R. STORR, *Hon. Secretary.*

## KEW CHRISTIAN FELLOWSHIP

“The Lord has risen indeed”—Luke 24, v. 34.

On Fridays, in the lunch-break, we have our meetings from 12.30 until 1.0 p.m. We study passages from the Bible and seek out the truth in them. A warm welcome is awaiting those who wish to join us. Several students attend together with a number of the Gardens, Herbarium, Jodrell and Administrative Staffs.

During this year we have had two film evenings in the Jodrell. The first film in April depicted the life of John Wesley, and the second was the latest of the popular “Fact and Faith” Films—“Signposts Aloft”, yet another sermon from science. In addition to members of the Gardens Staff we also welcomed a number of nurses and staff from Richmond Royal Hospital.

The fellowship sends its greetings, in our Lord's name, to all our past members.

P. A. GOODBURY, *Hon. Secretary.*

## PHOTOGRAPHIC CLUB

At the time of writing entries are still being received for the annual competition which is being held later.

The Club offers black and white photographs at "Enprint" size, of the various social functions of the Students' Union. Advice on many photographic aspects can usually be obtained—we've never failed yet! Films, cameras and other accessories are also obtainable through the club at reduced rates.

P. A. GOODBURY, *Hon. Secretary.*

## THE MUSIC CIRCLE

The Music Circle has completed another successful season. Our meetings, which were held approximately every third week, included programmes composed mainly of popular classical works, which served as an introduction to lesser known pieces, thus representing the diverse tastes of our audiences.

A departure from tradition took place on June 25th, when we produced our first live performance, all the artists coming from Kew Staff. This was very well received by an audience which filled our improvised concert hall at 35 Pensfold Avenue.

The programme included : —

1. Mike Shorey, Trumpet soloist—Duet "March for Trumpet" by W. B. Eby; Trumpet solo from "Tannhäuser" by Wagner; Duet "Air for Trumpet" by Mozart (accompanied on the tape recorder); and Duet from the theme "Der Freischütz" by Weber.
2. Jennifer Lee, Violin—"Violin Sonatina in G" by Telemann.
3. Winifred Hebb—Four solos on the Irish Harp.
4. Jennifer Lee and Barbara Fliegner—"Duet in G" for two violins by Bocherini.
5. Tom Reynolds—Introduction to Spanish Guitar Music.
6. Barbara Fliegner—Violin Solo "Humoresque" by Dvorak.
7. Graham Burgess—Reading of two short stories by Dylan Thomas.

This was a very successful evening, and it proved beyond a doubt that there is a great deal of hidden talent at Kew.

We gratefully thank Dr. and Mrs. Metcalfe, who are generous hosts to us and all music lovers.

G. WOOD, *Hon. Secretary.*

## NOTES AND GLEANINGS

## AWARDS

The Director, Sir George Taylor, was elected a Fellow of the Royal Society in March, 1968.

Dr. C. R. Metcalfe, Jodrell Laboratory, was elected a Corresponding Member of the Botanical Society of America, an honour restricted to a total of 40 botanists selected from all countries of the world.

A.H.R.H.S. was awarded to H. J. Bruty—Gardens Supervisor, Ferneries Department.

N.D.H. Final—Miss E. Stevens (General Section)—Student  
D. W. H. Townsend (Parks Section)—Gardens Supervisor, Wakehurst.

N.D.H. Intermediate—C. Hindmarsh, B. Roby, A. P. Child, Miss J. Lee, A. J. Esmonde—Students.

B.Sc.(Hons.)—J. E. Elsley (1964).

D.I.P.A. Final—B. J. Salter (1964).

P. S. Green (Senior Scientific Officer, Herbarium) has been elected an Honorary Member of the Norfolk Island Flora and Fauna Society in appreciation of his efforts towards conservation of the native flora and fauna of the island.

A. L. Barnes (1966) was appointed Technical Assistant with the Estates and Valuers Department of Kent County Council in January. Previously he was a student at the Grotto.

H. P. Barnes (1960) has left the post of Deputy Parks Superintendent, London Borough of Harrow and is now Superintendent of Parks, Cemeteries and Allotments, West Bromwich.

J. Beswick (1967) is employed by the Dawley Development Corporation as Landscape Assistant.

H. P. Boddington (1951) has left the position of Superintendent of Parks, Cemeteries and Allotments, West Bromwich and is now Director of Parks and Cemeteries to the London Borough of Merton.

R. D. Bowen (1967) was appointed Technical Assistant with the Borough of Swindon Parks Department, early in 1968 after completing his course at the Grotto. He writes—"Everybody is very pleasant here. The staff includes one other Kewite".

P. Bridgeman (1964) has left Basildon Development Corporation and has taken up the post of Lecturer in Arboriculture and Tree Surgery at Merrist Wood Agricultural College.

P. T. Bridgeman (1962) was promoted to Grade III Officer in the National Agricultural Advisory Service in January.

D. V. Coleman (1967), student on the Grotto Course, 1968, is now with Fisons as Area Representative for Scotland.

J. E. Elsley (1964) has been appointed as Botanist at the R.H.S. Gardens, Wisley. He gained his honours degree from Leicester University. This post—to use John's own phrasing—"will eventually cover many aspects in the field of Botany and Horticulture, although advisory work is bound to occupy a great amount of time. I will also be closely connected with the student gardeners course, no doubt having the responsibility of several courses. We have recently started a 'horticultural' herbarium here in which we intend to house specimens of particular garden merit. Since I arrived here in October I have been working on a check list of dwarf Conifers."

G. N. Graham (1967), student on the Grotto Course, 1968, has joined Newport Parks Department.

H. G. Heywood (1968) has been appointed Technical Assistant, Landscape, to the County Borough of Tees-side. This incorporates Redcar, Stockton-on-Tees, and Middlesbrough. It is the third largest authority in the country. Great interest is taken in tree problems including semi-mature tree transplants, nature trails and pollution effects.

D. Hogg (1937). As Senior Horticultural Officer has been transferred from Rome to the Central Office in London where he is working under Mr. W. F. W. Harding, the Chief Horticultural Officer.

B. F. Howard (1966) has joined the staff of the Education Department, Shirehall, Shrewsbury, Salop. He is Assistant Horticultural Adviser for Shropshire County Council.

J. M. Kerr (1960) took over as arboriculturist to the City of Sheffield on May 1st.

B. E. Lowe (1961) has left the Ministry of Transport and is now Lecturer in Landscape Construction at Merrist Wood Agricultural College.

A. M. Melles (1950) has moved from Basildon and is now Landscape Maintenance Officer with the Dawley Development Corporation.

S. F. Ovenden (1928) retired from the Margate Parks Department in 1967.

C. W. Roome (1965) is Horticultural Assistant at an Approved School for Boys at North Downs, South Darenth, Nr. Dartford, Kent.

B. J. Salter (1964) was appointed Landscape Officer at the London Borough of Croydon Parks Department in September, 1967. He had previously been Landscape Assistant for two years.

Miss E. Stevens (1969), who passed the N.D.H. Final in 1968 while a student, has been appointed a Horticultural Advisory Officer in the N.A.A.S. She is stationed at Luddington Experimental Research Station.

P. E. Wilson (1966) has been appointed as Assistant Nursery Manager at the Central Nursery, Southend Parks Department.

G. J. E. Yates (1967), Assistant Curator, resigned from his post at Kew on 15th March to take up an appointment as Head Gardener to Col. Jack Warner of Beverly Hills, California. He has now returned to this country and is Lecturer in charge of the Nursery Practice Course at Merrist Wood Agricultural College.

#### APPOINTMENTS AND NEWS FROM ABROAD

A. H. Balfour (1968) has taken up the post of Horticulturist at Kirstenbosch Botanic Garden, Cape Town. He will eventually move to Worcester, a "satellite" garden of Kirstenbosch.

M. Bentall (1964) has left his post as Technical Assistant, Crawley Parks Department, and in mid-December became Horticultural Superintendent at Lusaka, Zambia, where he is on a three-year contract.

H. Bruins-Lich (1928), who has retired, has written in with the news that he is now a Horticultural Consultant.

J. Cameron (1953) resigned from Port Elizabeth and is now in East London.

H. Werner (1943) is in charge of the gardens in King Williams Town.

P. Page (1938) is in Port Elizabeth.

H. Cocker (1933) in collaboration with Ippolito Pizzetti is the author of *Il Libro dei Fiori* (The Book of Flowers). There are 3 volumes, 1,650 pages; 300 coloured plates, 900 illustrations in black and white. It was published by Garzanti, Milan, Price Lire 28,500.

A letter was sent in recently from Trevor and Brenda Cole (1960). He writes—"Work is going well and I am happy at the Central Experimental Farm. At the moment I am working on Alpine and Herbaceous plants, both on the evaluation of Native North American species as possible ornamentals and the hardiness of existing cultivars. Winters here are cold—our record low this winter was—28° F (60° of frost). This is exceptional although for a week the temperature never rose above zero. If these temperatures come with a good snow cover they do not do much damage but as you can guess when the snow is light they play havoc with dormant plants.

"Although such a temperature may make you shudder it is not really so cold as the air is dry. Everywhere is centrally heated which we find wonderful. We bought lots of big sweaters over with us but except when we go tobogganing or skating we hardly ever wear them. It is great to be able to get up in the mid-winter with the snow piled up outside and wander around with just pyjamas on and not feel cold. The cars have electric heaters fitted in the oil sump and at night you plug them in. All in all we like it here and with summer coming we will soon be out camping most weekends."

F. Cook (1921). Errol Scarr writes—"He is enjoying his retirement and really has a fantastic memory. He has told us many tales of Kew and work in those days".

Dr. H. Eichler, Keeper of the State Herbarium, Adelaide, Australia, who had been on a private visit to Germany, paid a surprise call at the Herbarium on 15th July, and was pleased to meet old friends and to see the new Library. He was Australian Liaison Officer at Kew from 1961-62.

G. W. Ford (1927) wrote in recently to give the news that he retired from Longwood Gardens, Penna, in June. He left Kew for the United States in 1927. He wrote—"I was introduced to Longwood by my late uncle, G. Lambert, and accepted charge of the new five spanned house built for the display of Rhododendrons, Azaleas, Camellias, etc., Over the past 41 years other charges have been included: the Rose House (Cut Flower), the new Experimental Department and lastly the Bulb and Tropical—Ornamental—Propagating Department. I am building a 'Ranch House' on a one acre site, where I hope in these retiring years to enjoy the diversions of outside gardening particularly with alpines. Coupled with John Innes and Cambridge Botanic Gardens I will always reverently appreciate the many happy hours of work and study at Kew."

Mr. Ford sent a newspaper cutting which gave an account with photographs, of the magnificent chrysanthemum display at Longwood this autumn. For the first time the Gardens were open during the winter evenings, the flowers in the conservatory are greatly enhanced by the special night lighting.

F. W. Fisher (1939) is now Regional Horticultural Officer of the Northern Region of the War Graves Commission.

We have just had a letter from Mrs. Goodall, mother of J. P. Goodall (1965). "John is enjoying life and has plenty of excitement. About a year ago he was on H.M.S. Albion in the evacuation of Aden. The ship then went to Singapore and in the New Year John was made Sub-Lieutenant and changed to H.M.S. Triumph. Then they completed the journey right round Australia and back to Singapore. John wrote that he had seen some wonderful scenery. He has also been into the jungle and had seen some wonderful butterflies."

H. Hall (1933) gave news of his retirement from the National Botanic Gardens, Kirstenbosch. He is looking forward to "using the added leisure in plant exploration without any restrictions on time". He added—"I was given a warm send-off at the end of March, 1968. The staff presented me with a copy of *Burchells Travels* which was a wonderful surprise. I have always considered this intrepid Englishman the finest and most accurate of all natural history explorers and had read and re-read the earlier copy which I have had for many years". We are looking forward to the account of 20 years of hunting for new succulents in South Africa which Mr. Hall has promised to write for the *Journal*. Mr. Hall is an authority on South African succulents and he has done a vast

amount of plant collecting. He has found 130 new species and has had 24 plants named after him. He trained at the Chester School of Horticulture, the John Innes Horticultural Institute and at Kew.

Mr. and Mrs. Hebb (both 1968) have taken positions at the Arnold Arboretum.

P. Jew visited Kew during September and was able to attend the Prizegiving, the Annual General Meeting and the Tea. As Director of a Horticultural Department under a new form of Local Government in New Zealand he has the responsibility of establishing a Botanic Garden in Auckland. He was on a three-month world tour to bring himself up-to-date in botanic garden techniques.

K. M. Lycett (1960) was on leave during the summer and we were pleased to see him on a visit he made to Kew. He related some interesting and exciting accounts of his experiences in Zambia.

Mrs. Madia Nunov-Mensah (1968), née Miss M. Annawetty, who is on the staff of the Parks and Gardens Department, Accra, Ghana, is in charge of the Florist Department. She added in a recent letter—"this has made me a very busy girl indeed". (See also Wedding Bells.)

A. Pierce (1960), who had spent three years in Bermuda with the Berg Landscaping Co. Ltd., is now in South Africa. We do not have his address.

A letter arrived recently from Mr. and Mrs. Scarr (1967). Errol writes—"We have settled down very well in South Africa and Jennifer loves it out here. Life is lived at a much slower pace, cost of living is so much cheaper and of course the weather is ideal. It is taking us some time to get to know the Cape Flora after a break of four years, for me any way, and Jenny is having great fun identifying all the flowers which are constantly changing. We went down to Cape Town in the Spring for five days (1,700 miles in that period) and the journey down took us longer than the nine hours anticipated as we kept on stopping—we visited the Caledon Wild Flower Show en route. What a mass of colour it was with most of the Protea, Leucodendron, Gladiolus and Erica species on show. Kirstenbosch was a late spectacle this year due to the wet winter, but John Winter (1964), the new Assistant Curator is full of enthusiasm and working hard. What a flora the Cape has."

J. R. Sieben (1952) is Superintendent in Queenstown having left Port Elizabeth. Errol Scarr who passed on this news writes—"he is doing a good job, though is very restricted by lack of water".

Mrs. M. C. Smith (Cowell) (1945) wrote into Kew in June. She writes—"I am working nearly full time in the Botany Department (University of New England, Armidale, N.S.W.) under Dr. Richards, senior lecturer in forestry and microbiology and spend my days growing little pine trees and inoculating them with various mycorrhizal fungi. I have had to learn a lot of new techniques out-dating agar and raising aseptic cultures in petri dishes. We had



a very enjoyable holiday last January touring Tasmania. The car ferries get heavily booked over a year in advance so we flew across and hired a car. There were heaps of flowers out—the west coast is just miles and miles of bush—*Leptospermum* and *Melaleuca*, all in full flower. The lower slopes of Mount Wellington were badly burnt out in last year's fires but there are still plenty of fascinating plants on the top—*Richeas*, *Orites* and heaps of *Olearias*. Everything was still terribly dry when we were there and driving up the East coast we were constantly in drifting smoke from bush fires burning further inland”.

We hope to see Margaret and her husband Noel at the Kew Dinner in 1970.

B. L. Perkins (1950) visited Kew during the summer when he was on leave in the country. Prior to this visit Mr. C. E. Cherry (1938) sent us the following letter : —

“My old Kew pal, Brian L. Perkins, F.L.S., has now retired from the post of Director of Parks, Nairobi Parks Department, Kenya, and has had a bungalow built at Mombasa for his retirement.

“Retirement is only a half-truth because from the Kew Orchid Houses he carried his love of orchids with him to the country of his adoption and he has continued the absorbing hobby ever since. Thus the time came to transfer his orchids from Nairobi to Mombasa and a few quotations from his recent letter to me may be of interest to other Kewites : —

“Curiously enough one gets used to the heat in Mombasa, but at times the humidity is a bit overpowering and February to mid-April is the hottest and stickiest time. The orchids travelled in two 7-ton lorry loads, separated by one month. They were supposed to come down in two trips over a weekend, but in the end this just couldn't be done. One lot came down in very early November, the second at the end of the month, and this lot remained packed in boxes for the whole month, as transport depended upon the docking of a certain ship in Mombasa which, as you may guess, was considerably delayed. So the plants in their boxes had to be watered as best they could and in consequence picked up a few fungus diseases. The hazards of the lorry getting bogged down in my garden, axle-deep in wet, sandy soil would fill a book. Ditto the pantehnicon, and ditto my own journey down. This latter was marred by a young toto (perhaps no so young toto), who had fun and games with a stone and catapult. The result was one smashed side window when I was doing 80 miles per hour or just a little over. Quite a normal speed on the Mombasa road.

“Robertson my cook was travelling with me, and for a moment I thought he had lost his eyes. The whole window shattered and much of the glass flew past my own head. I managed to stop the car, but for one unpleasant moment thought that Robertson

had lost his eyesight. Not so, for within a second or two he was giving chase—unsuccessfully!

“ ‘Then there were troubles with the house, the biggest being the laying of the Marley flooring. This had never been done before in Mombasa, and the net result was a sticky gluey mess. In the end the flooring had to be ripped up, leaving the glue behind, and rubber tiles laid instead. But these tiles were not laid for a couple of days. Every night, when I wandered from my bedroom to inspect the geography of the house, I literally was glued down, leaving my slippers firmly stuck to the floor. It was more than a laugh at times. The house, even now, is still being painted. Robertson’s new quarters are completed. I had to put them up as none were on the premises.

“ ‘The orchid house seems to be quite successful, and the intensity of light just about right—I rather like it. However, many of the plants, tall-growing Vandaceous species and hybrids are being planted outside in beds of coconut rushes, largely with heavy mangrove poles to attach themselves to. Three beds and a small triangular one have been completed.’

“ ‘Brian intends to do a bit of advisory work in the Mombasa area, and he is confident that this, together with his orchid-growing will fully occupy his time. I gather from his remarks that it would be possible to pioneer a new industry in Mombasa growing orchids for the cut-flower trade and flying them to European markets. The distance to Europe is less than in the case of Singapore, while the climate is cooler and on the whole much dryer—hence more blooms. However, he has no intention of starting such a big business, but I guess he would have done if he had been a younger man’ ”.

R. Wall (1947) is now Deputy Regional Director of the Northern Region of the War Graves Commission.

Reference was made to Mr. C. N. Warren’s (1912) nursery on page 298 of the 1963 *Journal*. An account of the Pelargoniums grown in this nursery taking up several pages and with some fine close-up illustrations appeared in California (July 23rd, 1967) in *The Sunday Tribune Home Magazine*. It is interesting to see such old varieties as Mrs. Cox illustrated. Many must know this variety; it is described as “a zonal, is coloured pink, white, green and yellow”. Flowers of these brightly foliaged varieties are never considered important and should be kept picked off for they detract from the beauty of the foliage.

Yong Fann Chin (1968) is now working with the Federal Land and Development Association Research Centre. He is responsible for clearing virgin forest, afterwards planting up with oil palm (*Elaeis guineensis*) with citrus, pea-nuts, fodder grasses, vegetables, sweet potatoes, maize, etc., as cash crops. He is on the Jenka Triangle which is 120,000 acres altogether. The Research Centre and plantations, orchards and arboretum will take up only 5,000 acres of this area.

## NEWS OF KEW

S. A. Pearce (1968). Deputy to the Curator, retired at the end of September. He entered Kew as a student 40 years earlier. He was President of the Guild in 1964. To mark Mr. Pearce's retirement a presentation of a gold watch and a signed card was made to him by the Director in the Gardens Library on 26th September, in the presence of many of his friends and colleagues. For details of the Honorary Membership which the Guild has bestowed upon both Mr. Pearce and Mr. Sealy the reader should refer to the Secretary's report of the A.G.M., 1968.

G. Shutler (1968), Garden Supervisor in the Arboretum South Department, retired in July and is now living in the New Milton area—here he is already gaining a reputation as "the expert from Kew".

Dr. R. Melville retired on 11th March. He was trained as a pharmaceutical chemist and plant physiologist, and coming to Kew he worked in the Museums Department. During the war he suggested the use of rose-hip as a source of Vitamin C. From this suggestion arose the rose-hip industry. His interest in bees, elms and roses is also well known. In 1950 Dr. Melville transferred to the Herbarium to take charge of the Australian section and this has now been taken over by Mr. P. S. Green. Of recent years Dr. Melville has become increasingly well known for his gonophyll theory of the origin of the angiosperm flower and also for his work on the problems of plant distribution in relation to the movements of continents. A few years ago he was promoted to the rank of Senior Principal Scientific Officer on grounds of merit.

At a farewell ceremony the Director presented him with a donation from members of the staff, with which he intends to commission a painting by Miss Margaret Stones.

Dr. Melville has a busy time ahead for he has been appointed by the Survival Service Commission of the Industrial Union for the Conservation of Nature as botanist responsible for preparing the Red Data Book on rare and vanishing species of plants throughout the world. He will be based at Kew and he looks forward to close collaboration with the staff.

Miss M. I. Skan retired from her post as Officer-in-Charge of the compilation of the *Index Kewensis* on 20th November, 1968. Miss Skan has been on the Herbarium staff since 1919, and has given nearly fifty years of devoted service to Kew and to botanists generally. She has been engaged on the preparation of eight "Supplements". Her great interest in her work and her meticulous care is reflected in the high degree of accuracy for which the *Index Kewensis* is renowned. Fortunately Miss Skan will still work on the index until Supplement XIII is published under the Bentham-Moxon Trust.

Mr. D. N. Pegler left Kew during early March to spend four months making collections of higher fungi in East Africa. The

expedition was financed by the Royal Society and Nuffield Foundation Commonwealth Bursaries scheme, with supplementary assistance from the Bentham-Moxon Trust and the Sandwith Bequest. Although primary consideration was devoted to the fungi of the rain forests, an attempt was made to sample as many varying localities as possible and a total land distance of six thousand miles was covered, travelling through Kenya, Tanzania and Uganda. The entire period coincided with the season of heavy rains making travel difficult and at times hazardous, but providing optimal collecting conditions. Almost sixteen hundred numbers were returned to supplement an otherwise meagre Kew Herbarium collection of African fungi. During the month of April and May, Mr. Pegler was joined by Mr. S. A. Renvoize who made extensive herbarium collections of the flowering plants of Tanzania and also provided Kew with a number of gatherings of living orchids.

A party of a dozen Soviet botanists and horticulturists visited the Gardens on Friday, 9th August, among them Professor N. A. Avrorin, an old friend of Kew and head of the Botanic Gardens Department of Komarov Botanical Institute, Leningrad. They visited the Herbarium, the Jodrell and some of the houses, conducted by Mr. Jeffrey.

Professor Avrorin and Mr. G. K. Managadze of the Tiflis Botanic Garden paid a second visit to Kew on Thursday, 15th August, accompanied on this occasion by the Director of the Alma-Afa Botanic Garden, Kazakhstan, U.S.S.R.

H.R.H. The Princess Margaret visited Kew on Monday, 27th May, and spent two hours walking round the Gardens.

Dr. F. Santamore, Ph.D., B.Sc., visited Kew after attending the Men of the Trees Society's National Conference which was held at the University of Exeter in the period 11th-14th September. Dr. Santamore is attached as a Research Geneticist to the United States Department of Agriculture and his work is mainly concerned with researches which are aimed at improving the strains of such trees as Plane and Elm, which are used extensively in the large towns and cities where the concentration of pollution and dust is very high.

Dr. D. G. Ineson, who attended the Guild Dinner some years ago as Chairman of the Northern Horticultural Society and as a Guest of Mr. Noel J. Prockter has kindly donated a sum of £50 to the Guild. Dr. Ineson wrote—"I am glad to hear that the Guild prospers, as an association of people with like interests is always a good thing". We thank Dr. Ineson for such generous and kind thoughts.

Mr. M. Maitland, an architect who is writing an official biography of Speke, called at the Herbarium on 13th July to see plants collected by Speke and Grant in 1860 during their expedition to the source of the Nile.

A party of 22 from Kew spent the day at Wakehurst on the 10th July recording the wild flora. Over 50 species of vascular

plants were added to the list for the estate, which now totals approximately 330 species. The records will also be used for the new Flora of Sussex in preparation.

Many Kewites will be interested in the book which has been written by C. Jeffrey—Herbarium. It is *An Introduction to Plant Taxonomy* published by Churchill, London, 1968. Price 24/-. Mr. Jeffrey deals with the subject in a straightforward manner which will be appreciated by those of us who are not specialist taxonomists.

The Catalogue of the 2nd International Exhibition of Botanical Art and Illustration has been published by the Hunt. Bot. Library, Pittsburg, 1968. This includes biographies, photographs and sample drawings by Miss M. Grierson, Dr. J. Hutchinson and Miss S. Ross-Craig.

Part XXV of *Drawings of British Plants* has been published. This deals with Plantaginaceae, Illecebraceae and Chenopodiaceae. Publishers are G. Bell, London (1968) at 13s. 6d. There are 36 plates covering these three families. No excuse for Kewites classing all Chenopodiaceous weeds as Goosefoot.

The recording system at Kew has been reorganised under Mr. D. Hunt who is in charge of the Cultivated Plants Section. In addition to collections of specialised departmental record cards it is intended to build up a master index to be housed in the Herbarium.

Some of the work at the Jodrell Laboratory was described by Dr. P. A. Thompson in his article on Germinating *Primula* seed, published in the *R.H.S. Journal*, March, 1968. It shows how great is the need for investigations of this nature which are of direct value to gardeners.

An extinct species discovered in the Herbarium. While examining material of the endemic Hawaiian genus *Hibiscadelphus* (Malvaceae) in the Herbarium, Dr. Melville discovered a sheet of *H. bombycinus* Forbes. The plant was collected by Dr. Hillebrand and was received at Kew in 1865. Forbes described the species in 1920 from another Hillebrand specimen, now in the B. P. Bishop Museum in Honolulu, and was unaware of the Kew specimen. The Kew and Honolulu specimens are probably all that now survives of this species.

The genus *Hibiscadelphus* consists of four species, three of which are now extinct in the wild. A few plants of one, *H. giffardianus* are in cultivation and the fourth species *H. hualalaiensis* is represented by about a dozen wild trees and a few in cultivation.

Of the fruits and seeds which were gathered at Kew during the 1968 harvest, perhaps the most unusual were the three large "oranges" of *Maclura pomifera*. It is a very rare that this subject fruits at Kew although it does so freely in its native haunts, the South and Central United States. It is a member of the Mora-

ceae and the fruits orange-like (in fact it is known as the Osage Orange) but are not edible. The male and female flowers are borne on separate trees. Strangely a bees nest was established and hung on a slender branch of this tree during the late summer but it has not of course survived.

The scale insect, a species of *Pulvinaria* which has established itself on Horse Chestnut has been in the Gardens for 4-5 years but the infestations have been very light indeed and have disappeared at about mid-summer—there is reason to think that they have been eaten by birds. The infestations appear to be much heavier in certain areas outside the gardens, for example, the Kew Road. (*R.H.S. Journal*, February, 1968.)

The large old specimen of *Morus alba* 'Constantinopolitana' which had been such a familiar landmark on the mound of King William Temple suddenly collapsed and fell during a calm period on 17th September. It was over 50 ft. in height, and had a girth of 11 ft. 3 ins. at 2 ft. On inspection it was discovered that the base was mostly rotten.

A brown toadstool-like fungus with a sweet sickly smell was found in the porch of House 15 by a specimen of *Hibiscus schizopetalus*. It was identified as *Amanita nauseosa*. This tropical species first appeared in the Nepenthes House 50 years ago, then again in 1963 in House 15. These are the only records of its being found, an erratic behaviour which is difficult to explain.

A large scale attack has been made on the Nematode (eel-worm) infection which has been troublesome in the Tropical Department for some years. The glass houses of this department in the Melon Yard have been fumigated with methylbromide gas for a minimum of 36 hours (maximum 48 hours), an operation which has involved an extensive moving and propagation programme.

The work of landscaping House No. 12 (the old Economic House) has been completed and has been planted up with South African Heaths and other African plants.

A collection of greenhouse ferns was staged at the R.H.S. Hall on 8th October, 1968, under the charge of Mr. Rawlings (Assistant Curator) and Mr. Bruty (Gardens Supervisor). A fine specimen of *Dicksonia antarctica* took the place of honour in the centre of the stand. This particular plant which weighed half a ton has been growing in the Temperate House for approximately 40-50 years. Also surrounding this *Dicksonia* were two smaller ones which were from 10 to 12 years old. Other conspicuous features on the stand were three large rafts of *Davillia* about three feet in width, and four rafts of *Polypodiaceae* including *Drynaria rigidula* var. *vidgenii*, *Microsorium punctatum*, and *Phlebodium aureum* var. *areolatum*. The more primitive ferns on the stand included *Angiopteris evecta*, and *Marattia fraxinea*.

For the commercial horticulturist there were *Adiantum raddianum* 'Kensington Gem', *A. raddianum* 'Fritzluthii', *A.*

*tenerum*, *A. tenerum* 'Victoriae' and others. *Nephrolepis exaltata* and *N. exaltata* 'Hillii' were in baskets in six foot stands.

There were specimens of *Platyserium* including *P. bifurcatum* and its varieties, *Psilotum nudum*, and a number of epiphytic species of *Lycopodiums*, including *L. gnidioildes*, *L. phlegmaria*, *L. phyllanthum*, *L. squarrosom*. There were several Selaginellas and the water ferns *Marsilea drummondii*, *Regnellidium diphyllum*, *Salvinia auriculata* and *Azolla caroliniana*. A few rare plants that were on show included *Christopteris tricuspis* from Malaya, *Photinopteris speciosa*, *Leucostegia pallida*, *Phymatodes sinuosa* (which has an ant inhabited rhizome), and *Culcita villosa*. The Lawrence Medal was awarded to Kew for this exhibit which was considered to be the "best exhibit shown to the Society during the year". Part was illustrated in colour on the front cover of the *R.H.S. Journal*, January, 1969. This number also contains an account of the cultivation of greenhouse ferns at Kew by Mr. H. J. Bruty. Mr. Bruty gave a lecture on this at the R.H.S. Hall on 8th October. (See also Awards.)

An important Saxon find was made in 1939 when archaeologists opened a mound at Sutton Hoo near Woodbridge in Suffolk, for it proved to be the untouched shipburial of an important prince of the early seventh century. Archaeologists are still working on the wealth of material which was contained in the burial, and over the years Dr. Bruce-Mitford, Keeper of the British and Mediaeval Antiquities at the British Museum, has more than once approached Dr. Metcalfe of the Jodrell Laboratory for identification of specimens which have originated from plant material. The latest work carried out in this connection was on some small pots of vegetable origin. It was thought that these had been prepared from the gourds of a member of the family *Cucurbitaceae* but Dr. Cutler was able to prove that these were made from walnut burrs.

An interesting batch of seed of *Ulmus americana* was germinated in the Arboretum Nursery. This is the species which has suffered badly from Dutch Elm Disease in America. It was collected from natural sources by Mr. Cody of the Herbarium, Dominion Arboretum, Ottawa, and was sent to Kew by Dr. Chris Marchant. Like all Elm seed it must be sown as soon as possible after ripening. It took six days to germinate, the percentage being 98. Most of the batch of 800 seedlings have been taken by the Forestry Commission for tests on resistance to the Dutch Elm disease.

A large Tawny Owl made an extended stay in the Palm House during the summer months. It appeared to feed on mice and cockroaches and made no attempt to leave until the autumn.

Open Day. This annual event was held on Saturday, 4th May. A total of 1,712 visitors attended, including 860 from schools and training colleges, 365 from universities and 426 from societies and institutions. Exhibits were staged in the Herbarium, the Orangery, the Jodrell Laboratory and the General Museum. One of the

interesting exhibits was arranged by courtesy of The Chief Fruit Research Institute, Stellenbosch, South Africa. This was made up of 34 species of Cape plants shown by fresh material. Some of these had come in cold storage by ship, the remainder by air. Some very interesting species were represented, some belonging to families endemic to South Africa. There were 5 species of *Erica*, *Retzia* (*Retziaceae*), 2 species of *Brunia* (*Bruniaceae*), *Saltera sarcocolla* (*Penaeaceae*) and some *Restionaceae*.

Another exhibit, sent by the kindness of the Western Australian Government consisted of two ice-cones containing fresh native Western Australian plants in a perfect state of preservation. They included *Anigozanthus*, the Kangaroo Paw and *Nuytsia*, a parasitic tree belonging to the *Loranthaceae*.

#### APPOINTMENTS AT KEW

R. I. Beyer was promoted as an Assistant Curator, and he is in charge of the Machinery Section and Arboretum North Department. He was previously a Gardens Supervisor in the Alpine and Herbaceous Department. This took effect on 1st October, 1968.

C. H. Erskine was appointed as an Assistant Curator at Kew, this taking effect on 1st October, 1968. He is in charge of the Temperate House. Previously Mr. Erskine was a Foreman at the Botanic Gardens, Edinburgh.

H. J. Fliegner, Propagator in the Tropical Pits, was promoted to Garden Supervisor, this took effect on 14th October, 1968. He is in the Alpine and Herbaceous Department.

B. Hallewell (an ex-Wisley Student) until recently a Foreman at the Royal Botanic Garden, Edinburgh, has been appointed Assistant Curator in charge of the Decorative Department. He started at Kew on 8th January, 1968, and took the place of G. J. E. Yates.

L. Haywood, ex-student from Askam Bryan was appointed as Garden Supervisor in the Arboretum South Department in January, 1969.

J. H. Mateer, Seed Collector in the Arboretum was promoted on 14th October, 1968, to Garden Supervisor and took charge of the centralised seed collecting, storage and dispatch department. A seed testing unit is also being set up with the aim of improving the methods of storage and dispatch.

G. Pattison, a student on the Kew course ending October, 1968, was appointed as Gardens Supervisor in January, 1969. He is in the Temperate Department.

R. W. Rymer was appointed as Gardens Supervisor in January, 1969. He is in the Arboretum South Department. He gained a B.Sc. from Reading University.

J. B. Simmons was appointed as Deputy to the Curator and commenced his duties on the 14th October, 1968. Mr. Simmons, our worthy Treasurer, was in charge of the Temperate Department.

In August it was agreed among all the parties concerned that the Foremen Gardeners at Kew would in future be entitled Garden Supervisors.



Extract from the *Observers Review*, 31st March, 1968 : —

“ . . . the chief horticulturist for the Greater London Council is Mr. Taylor (Hubert Taylor, 1933), who is most hopeful about the prospects for London's flowers and trees (he stated) ‘ There has been a remarkable change for the better since the clean-air policy began to take effect. In 1946 if you'd walked into a shrubbery in Battersea Park you would have ruined your suit. Of course, some things do better than others on dirt. The Plane tree is an outstanding fellow : apart from the way it sheds its bark, the way the leaf clasps the young bud through the summer protects it. But now, even the Beech and the Oak and the Tree of Heaven are beginning to thrive ’ ”.

We had a letter during October, 1968, from A. J. Brooks (1903). Our congratulations to Mr. Brooks who at the age of 88 pruned his collection of 600 roses. He has just bought in a dozen of the latest varieties. He writes—“ Alas ! I am not able at 88 to get down to Kew as formerly but in mind I still wander through the houses and grounds and thoroughly enjoy myself. Kew has always been the centre of my life. In going through some old papers recently I came upon a number of pamphlets titled ‘ Kew and the Empire ’ which I had quite forgotten. I enclose a couple for you\* —it was an address I gave some years ago to the branch of ‘ Toc H. ’ at Swindon. It was greatly appreciated as like so many others the members of Toc H. thought Kew was just a Botanical Garden and they knew nothing of its soul ! ”

In the opening paragraph of this booklet Mr. Brooks draws attention to the fact that in a speech made in the House of Commons in August, 1898, by Mr. Joseph Chamberlain, Colonial Secretary of State, he drew attention to the work of National importance being carried out at Kew in the following words—“ I do not think it is too much to say that at the present time there are several of our important colonies which owe whatever prosperity they possess to the knowledge and experience of, and the assistance given by, the authorities at Kew Gardens. Thousands of letters pass every year between the authorities at Kew and the Colonies, and they are able to place at the service of these Colonies not only the best advice and experience, but seeds and samples of economic plants capable of cultivation in the Colonies ”.

\* One copy is going in Guild Records, the other in the Library.

#### NEWS AT HOME

Various schemes of education and training in arboriculture and tree surgery have been initiated at Merrist Wood Agricultural College. The most important so far is the ten week residential course in tree surgery, starting in May and September each year. This course, designed in conjunction with the Association of British Tree Surgeons and Arborists, is offered to meet the increasing demands for a national training scheme, covering all aspects of tree surgery at craft level. The course gives systematic instructions

and practical experience in all tree surgery operations, techniques and machinery, coupled with a general understanding of the underlying principles of the science of arboriculture. At the end the students sit the City and Guilds of London Institute Certificate in Tree Surgery.

Other courses include an annual three-day managerial course in arboriculture and tree surgery, which is held during the first week of September. Detailed plans are under way for a three-week, foreman-level course, to commence in January, 1970. Proposals have been submitted for a fully comprehensive three-year sandwich course in arboriculture, taking students to National Diploma level.

Mrs. V. M. Danes (1918) wrote in recently from her home at Wheathampstead. She is very happy with her garden which has been made from an orchard—it is on a chalky soil.

C. Jones (1923) wrote in recently. He had some interesting news of George Bates who is 88 and still active but in his own words—"Not so speedy on his legs as he used to be". Bates remembers E. Brown (1903) who was in the "Orchids at Kew". He also recalled Dr. Staph and his disapproval of the songs the students sang during the British Botany trips!

B. Nash (1967), student on the Grotto Course, 1968, has joined Birmingham Parks Department.

W. Nelmes (1928) retired from the post of Director of Parks to the City of Cardiff. We wish Mr. Nelmes many happy years of retirement.

H. A. T. Perkins (1925) has now retired from his florist's business in Birmingham.

A. Rich (1967), student on the Grotto Course, 1968, has joined Cardiff Parks Department.

J. Robbie (1927) wrote in recently to give his latest address. He retired from the Sudan Government Service in 1952 and has now retired from his "second career" with the Scottish Agricultural Industries, Ltd., a subsidiary of the I.C.I.

#### THE MUSEUM EXHIBITS IN 1968

The most important exhibit this year was in commemoration of Captain Cook's first voyage around the world. The exhibit was on the plants and plant material mentioned in Banks' journal of the voyage, and the captions to the exhibits were from this work. For the most part, the exhibits were from the Museum collections, with the addition of a small amount of living material from the Gardens. The exhibit was originally designed for Open Day, but was left on display until early September because of its popularity with the public.

The Cook exhibit was in the front hall of Museum I and was later followed by one on the botanical ingredients of a Christmas pudding. This was the first exhibit put up by the new Exhibition Officer, Patrick Reid, whom we were all very glad to see when he came at the end of October.

The illustrations case was altered during the year, and the display changed four times. The first two displays were of large drawings from the Herbarium collections. The third was of orchids from the Solomon Islands Protectorate drawn by Miss Mary Grierson, and the fourth was of mosses, lichens, and liverworts, drawn by Miss B. E. Nicholson for the *Oxford Book of Flowerless Plants* and loaned by the artist.

A case was done for anatomy section of the Jodrell Laboratory, showing the type of work done there. This year we are hoping to do one for the physiology section on some of their work.

Upstairs in Museum I a case was done on plant remains from ancient Egyptian tombs and sites. The material used was all contemporary, except for a few modern seeds, etc., shown for comparison with the old.

In addition, a number of cases in Museum I and the Wood Museum were relined and painted, and their contents cleaned, relabelled and displayed.

The Plant Tables continued as usual throughout the year, and a new "Moss Box" was made by the Museums' Craftsman, which shows the mosses, etc., to much better advantage than the old makeshift one.

ROSEMARY ANGEL.

#### NOTES FROM WAKEHURST PLACE, 1968

Since last year "Kew in the Country", as Wakehurst Place is often called, has opened to National Trust Members and to the General Public. No doubt many Guild Members will be pleased to learn of this and will wish to visit the 170 or more acres of the estate which are at present accessible to visitors. The new car park is already beginning to mellow into the surrounding landscape and should prove adequate for any normal attendances which may occur in the next few years. An overflow arrangement into the adjoining meadow can be used as a "safely valve" if the need arises.

The abnormally high rainfall during October of last year created considerable local concern as the dam across the outflow from Westward Lake was partially washed away by the excessive flood waters. The repair work which was fortunately already in progress had to be extended in order to allow for any future contingencies. At the time of writing this work is near to completion and the chances of Lindfield and Haywards Heath receiving several million gallons of water in a great and sudden flood are considerably reduced.

The seemingly endless tasks of bramble "swiping", path improving and tree felling continue, and slowly but surely we are managing to reclaim and replant areas in the estate which have been untended for many years. Whenever possible mechanical means are used to control the ever-invasive bracken and bramble. Unfortunately no one has yet invented a flail-mower for operation

across slopes of 40 degrees or more, and gardeners with one leg shorter than the other are even more difficult to come by! Selective thinning in Westwood Valley has proceeded well and already we have been able to commence the planting of several of the Rhododendron Series Collection. Some day this ambitious venture will take in about 50 acres of the estate.

Further to the reference which I made last year, to the rediscovery of plants in the more out of the way corners of the estate, an additional list of interesting discoveries can now be added. One of the more interesting finds has been a grove of a score or more young trees of *Pseudolarix amabilis* which we came across while working in the lower part of Westward Valley. Further up the slope another discovery of what we hope is our largest specimen of *Pinus harwegii*, but verification of this is at present still pending. Other interesting and unusual plants include *Cornus oblonga*, *C. walteri* (Wilson 1017), *Escallonia fonkii* (Comber 955), *Laurelia serrata*, *Maytenus boaria* and *Quercus glauca*. Many Rhododendron species, complete with collector's numbers are still coming to light and the more interesting of these include *R. crassum* (Forrest 25629), *R. macabeanum* (Kingdon Ward 11175), *R. mallotum* (Farrer 815) and *R. pseudochrysanthum* (Wilson 10928).

A fairly wide range of semi-tender plantings have been made during the last three years but it would perhaps be a little premature to publish a list of the surviving species until a few more winters have past.

One of the more savage autumn gales of 1967 claimed our tallest specimen (20 ft.) of *Embothrium coccineum*, as well as our only tree of *Tilia x flaccida*. Honey fungus has also "reared" its ugly head, and has claimed a fine mature group planting of *Cornus kousa*, and to our great disappointment a specimen of *Oxendrum arboreum*.

Finally, our great rarity, *Olearia lacunosa* still refuses to allow us to propagate its kind, despite the application of all manner of techniques, including grafting. We are at present attempting the age-old method of air-layering in an effort to increase the numbers of this rare and tender subject.

A. D. SCHILLING, *Assistant Curator, Wakehurst Place.*

### THE HERBARIUM

The year 1968 will be remembered at the Herbarium as the year of the great move. The large new extension, now designated Wing D, was handed over to Kew during the Spring. Plans had been prepared in advance—in fact for several years past—and at last the time had come to implement them.

On 4th June a firm of contractors sent a gang of men to begin the move. Specially constructed block-board trolleys were assembled ready to move not only the Herbarium but also the Library of approximately 100,000 volumes. Books were gathered

from every corner of the old house upstairs and down and arranged on the spacious shelves in the huge new library. It is worth recording that co-incidental with the move an almost completely new system of cataloguing and arranging the books was brought into operation. For several weeks the library was actually closed and no books could be borrowed. Surprisingly, however, this was not as awkward as had been expected. The Library floor with its rose-wood (*Dalbergia*) shelves and Cedar of Lebanon facings is certainly the show-piece of the building.

Fortunately visitors and staff found they were able to use most of the Herbarium throughout most of the move. The Orchids were moved first from Wing B to their room in the new building; then followed the monocotyledons and cryptogams in Wing C which are now all housed on the top floor of Wing D. The material in spirit (some 31,000 bottles) under Wing B was also moved to commodious quarters in the semi-basement of the new wing. All this was accomplished in excellent time and the first phase was completed by the end of June.

The new staff room was occupied during July and the huts in the quadrangle were demolished in September. The surrounds of the Herbarium were levelled and cleaned up and sown with grass seed which soon transformed the bare earth into a fine lawn. Meanwhile racking was put up in the basement of Wing B and herbarium cabinets were installed in place of the bookshelves along the corridors. The preparers moved from their hut in September to rooms in the new wing.

In mid-October the second phase of the move commenced. A large hoist was erected in Wing B and the men returned to shift the material supervised by our own Scientific Assistants. Wing C being empty the specimens had to be moved to fill the cupboards leaving a proportion vacant to allow for expansion. Working backwards in the system the collections were moved progressively less far until in Wing A the covers were simply passed across the bays. The different floor levels in Wing A meant that the hoist was useless and a human chain of any member of the staff (whatever his rank!) was employed to pass the bundles from hand to hand at the critical stages. The move was completed early in November and un-named material that had been housed at 53 The Green was brought over to the Herbarium basement. Mounted specimens for which no room could be found in the Herbarium have been stored in the basement for the last few years, and these have now been incorporated in the main collection. New labelling and numerous other jobs were involved in the re-organization.

It is a curious sensation for those of us who have worked in the Herbarium for many years to find every book and every one of the millions of specimens now has a new place! In spite of the 40% increase in space we are already finding local points of congestion: where and when will a new wing be built . . . ?

F. NIGEL HEPPEL.

## THE TEMPERATE AND PALM HOUSE DEPARTMENT

This has been a year of change, for the Palm House and House 15 have been added to the Temperate Department, as part of a reorganisation scheme aimed at improving the spread of responsibilities between departments. Thus two large and old houses, which are comparatively close to each other, go to make up one department, and the collection of palms and tender gymnosperms are brought together. Future development will naturally be limited by the environments provided by these houses, this in turn will affect the general policy for improving the display throughout the Tropical Department.

Some duplication has existed between the collection of the two houses, but this has been reduced. The over-lapping occurred mainly with the South African and Mexican collections, a problem which has been overcome by transferring many of the sub-tropical trees, shrubs and climbers to the Temperate House and by eliminating the duplicates. The Palm collection has also been reorganised, taking taxonomic considerations into account. With current synonymy it was found that there were excessive numbers of many of the more common species. They have been removed, and the remainder relabelled using H. E. Moore, Jnr., as the authority. The Palms have conventionally occupied the northern end of the Palm House, but this is not only darker, but is on average about 10° F. cooler than the southern end. We have therefore placed some of the more tropical species in the south end, and the results have been very encouraging.

Among the Cycads, too, there was some duplication, particularly with the *Encephalartos* spp. With the space in the Palm House at such a premium, the surplus have been sent to Edinburgh Botanic Gardens for their new glasshouse department. The Australian and American genera have been placed in the centre of the house, and the whole collection of cycads has thus been spaced out. The response has been an increase in the size of the heads and in the length of the fronds. The rare *Encephalartos woodii* from Zululand has been given a place of honour at the south end, and is showing its fine umbrella-like form to good effect. This plant arrived in Kew in 1905—only one plant has ever been found in the wild, and when the remains of this “clump” were taken into cultivation in 1916, is presumably ceased to exist in its native state. The whole collection has now been catalogued and is being measured at regular intervals. This should make an interesting long-term study, for there is little recorded information on the growth of cycads. The old plant of *Encephalartos longifolia*, which was collected in 1775 by Messon, is the exception, because it has been regularly measured. It has grown an average of one inch a year over the last 190 years.

The tropical section of the economic plants from House 11 have been transferred to the Palm House where they now make up part of the collection.

So to the Temperate House where there have also been some far-reaching changes. Several beds have been replanted and the area allocated to New Zealand plants has been extended. There also has been an introduction of cool economic plants from House 12, in addition to the sub-tropical shrubs from the Palm House already mentioned.

The two pools in the Himalayan House have been leaking, and as a part of a large scheme to improve the landscape effect, the layout round one of the pools has been redesigned, with a raised water-level and a small waterfall. Irrigation has been considered, and if the experimental unit which is at present being laid, is successful, it is hoped to continue with extensions which will cover the whole of the house. Supplementary lighting using MBFR/U lamps is now installed over the South African bed, and the hope is that this will help with Proteaceous plants in particular.

Changes have also taken place in the Temperate House Pits, where the extra heat required for the propagation of Palm House plants is now provided by the new and larger boilers which have just been installed. The changes also include an enlarged propagating house with additional mist-units and a centralised soil shed which allows for mixing and sterilising.

#### THE WEATHER AND ITS EFFECTS UPON THE PLANTS AT KEW DURING 1968

Snow, storms and finally a return to normal, this was the weather pattern for January. Kew had it cold during the first part of the month, with temperatures below freezing from the 10th to the 12th January. This was followed by mild weather on the 13th, which brought rain from the west with a rapid thaw. The early spring flowers came along rapidly during this period and the first Winter Aconites were out on the 5th February.

The latter part of February was cold, with dry winds from the east. *Chimonanthus praecox* and the Hamamelis species and varieties were very good. So were the Snowdrops which had undoubtedly benefited from the moist and good growing conditions of the previous year. The first Prunus in flower apart from *P. subhirtella* 'Autumnalis' which blossoms at suitable periods during the autumn, winter and spring, was *P. davidiana*. The growth of this species is rather ungainly, but the large pink or white flowers were very beautiful against a dark background of conifers.

A long period of cold N.E. winds set in during the early part of March, holding back the spring flowering shrubs, but drying the soil, thus providing ideal conditions for turf renovation, spiking and top dressing. We did have a period of strong N.W. gales during the middle of the month, and these caused some extensive damage, especially to those trees which were in an exposed position. It is surprising how extensive is the damage from these spring gales. Mowing started with the gang sections on the 19th March, but the violent storms, with thunder and lightning, which followed a day or

so later, brought this first trimming-down operation to an abrupt halt. The month ended with a warm period, in fact, on the 29th it was the warmest March day on record, 72° F. being recorded at Kew. Under these conditions the spring-flowering shrubs moved ahead very rapidly. The early Magnolias, *M. campbellii*, subsp. *mollicomata* and the "hybrids" known collectively as *M. x raffillii* were showing colour one day and were open on the next. This was a problem, for it proved difficult to keep them back for an exhibit in the R.H.S. Hall on the 2nd-3rd April, and it became necessary to cut the material and to hold it in condition in a cold room in Queens Cottage.

Cold easterly winds blew across the Gardens during the early part of April, and it was not until after Easter Monday (16th April) that a mild period, accompanied by rain and sun gave the weather conditions which all gardeners pray for in the spring. Overnight the Gardens had changed, and the scene was a spring one. A period of very wet weather followed at the end of the month, and it was this that set the pattern for the remainder of the summer. The temperature was often well below average, in fact, on the 19th May the lowest reading dropped to 35° F.

A small but intense heat wave developed on July 1st lasting only until the 3rd. The maximum for the 1st July was 92° F. Kew also had the thin covering of "Sahara Sand" which fell over many parts of the country early on the 1st. This phenomenon is very rare in this country, and the official explanation was that it was caused by sand or dust which was whisked up by strong winds over Spain or the Sahara, and taken into the upper atmosphere to fall with the rain over this country. The colour of the dust varied from white, through yellow and orange to red. That over Kew was orange coloured and so fine that it stuck to paint-work and foliage as the large rain splashes dried.

As a result of the summer rains, growth among the trees and shrubs was very good. The conifers, which have in recent years benefited from a cleaner atmosphere and an extended feeding programme, looked remarkably well. Colour in the collections is naturally very scarce during the late summer period, but the 15 ft. high specimen of *Ligustrum sinense* 'Stauntonii' was exceptionally good this year. The graceful and pendant growths, with their pale green foliage were terminated by heavy panicles of white blossoms.

The lack of sunshine, low temperatures and excessive rain had a detrimental effect on the summer bedding, for growth was in many cases excessive and the flowering poor. Torrential rains were experienced during the weekend 14th-16th September.

October was mild everywhere, with temperatures warmer than usual. There were very heavy rains again on the 8th, more on the 9th and 10th. Two further belts of rain followed at intervals of a few days, and this made the month a very wet one indeed. With an absence of frost there were some fine splashes of autumn colour. The Beeches in particular were very good.



The pattern for the early part of the winter was set when the cold weather spread from the North on the 1st November, only to be followed a few days later by a very mild spell. The year closed with the hope that it would dry up sufficiently early in the new year to allow the winter work to be completed.

### “THOSE WERE THE DAYS”

One morning in May, 1903, as the Gardens' bell was tolling at 6 a.m., Sillitoe and I entered the Curator's Gate to take up our duties for the day. Sillitoe was in the Propagating Pits, I was in the T Range. Sergeant Norris touched me on the shoulder and said—“You are wanted in the Director's Office at 10 o'clock!” I feared that something must have gone wrong, as I had only been a student for a year. However upon the interview my fears were soon dispersed for the Director, Sir Thiselton-Dyer looked up from his writing and said—“Do you want to go abroad?” My relief was so great that for a moment I could not reply. When I replied—“Yes”, he said—“There are three appointments vacant, one in Kenya, one in Uganda and one in Dominica”. He continued—“I would prefer you to accept Dominica, as Dr. Morris, the Commissioner of Agriculture for the West Indies, requires somebody with teaching experience to take charge of the Agricultural School in Dominica”. I accepted and within ten days I was on board a ship bound for the West Indies and ‘that Island in the sun’.

After a two-week voyage I arrived in Dominica late at night, and in total darkness. I was met by Joseph Jones, an Old Kewite who had been Curator of the Botanic Gardens for many years. Jones led the way to the end of a long jetty where a groom with two saddled horses awaited us. The groom, carrying a hurricane lamp led the way, and thus commenced a long and weary climb up a narrow winding path to a plateau 800 ft. above sea level where the Agricultural School was established, in what had previously been the old military buildings.

I longed for the dawn to see my surroundings, and when it came, I beheld a well-kept lawn of over an acre in extent with a long building on each side. On one side was the dormitory where twenty-four students were sleeping soundly, the other sides being occupied by the lecture room, the workshop and my own residence. Beyond was the deep blue Caribbean Sea. It was a wonderful sight and a thrilling experience. Thus began the happiest years of my life in the tropics.

Dr. Morris, Assistant Director of Kew, had been appointed by the Secretary of State for the Colonies, to establish an Imperial Department of Agriculture in the West Indies. This was to assist in the agricultural development of the various islands. Each island had its own individual problems, the crops being Sugar-cane, Rubber, Cocoa, Cotton, Tobacco, Coconuts, Grapefruit, Lemons, Oranges and Lime-juice, the latter being a product of *Citrus media*

var. *acida* and made famous by "Roses Lime-Juice". Such diversity made the work most interesting. As soon as Dr. Morris had established his headquarters in Barbados, students from Kew were appointed to his staff to take up positions in the various islands of the Windward and Leeward Groups. Among these were—Green, Jones, Tannoeks and Brooks in Dominica; Powell and Jackson in St. Vincent; Moore in St. Lucia; Robson and Harcourt in Montserrat; Sands in Antigua; Fishlock in Virgin Islands; and Roberts in Trinidad. Each Kewite was responsible for the agricultural policy to be followed in the island to which he was appointed. A botanical garden with adjoining plant nurseries was laid out in each island, from which plants were raised for general distribution throughout the colony. Close contact in all the work was maintained with Kew, and their close co-operation was of considerable help, not only to the Kewites in charge, but to the colonies as a whole.

At intervals International Agricultural Conferences were held in Jamaica, Barbados and Trinidad. Those were always attended by the Director of Kew, and this personal contact for discussions on economic problems was of the greatest help, and provided a unique opportunity for a 'get together' by Old Kewites.

Visiting estates to advise planters in the problems of pest and disease control, on new methods of cultivation or on the budding of grapefruit, or oranges, etc., was the normal work of the Kewite, and in the mountainous islands of Dominica and St. Lucia this entailed many hours of arduous riding. The West Indian agricultural labourers, both men and women, are among the happiest people I have ever known and it was a great pleasure to work among them. In planting new areas of sugar cane they lined up in rows of one hundred or more, and as they raised their hoes they broke into the Calypsos for which they are famous, and this in spite of receiving only eightpence or a shilling a day for their toil.

When I hear the sweet voice of Mary Hopkins singing "Those were the days" I am transported, and see once again those sunshine beaches and blue seas of the West Indies.

Having commenced with the words of a song I cannot do better than conclude with another—

"Oh that Island in the Sun  
Willed to me by my Father's hand,  
All my days I will sing thy praise."  
Yes, indeed—"Those were the Days".

ARCHIBALD J. BROOKS (1903).

### "THROUGH FLOWERS TO FRIENDSHIP", 1968

Early in 1968 I learned there was to be an international conference of amateur gardeners on the theme "Through flowers to friendship" in Prague, Czechoslovakia in May. Being both a horticultural journalist (on *Popular Gardening*) and a friend of Czechoslovakia, I decided to try and secure an invitation to the

conference. I felt it was the more important when I found that no other British representatives would be there. I thought someone from Britain should attend, not realising until later that the Czechs had avoided inviting British gardeners officially as they did not consider the standard of Czech horticulture was high enough to be interesting. (British gardening has a very high reputation there.)

The conference went well and I was most pleased I took part, even if, as it was a first attempt for the Czechs, there was some room for improvement. There were altogether six excellent lectures by speakers from different countries: Mr. Sadvsky (Czechoslovakia) on wild terrestrial orchids, which grow freely in some parts of his country; Mr. Verinzh from Riga, U.S.S.R., on the considerable work undertaken there since 1945 in bulb hybridising, especially with gladioli and lilies. Then, in the absence of Mr. Hodac (Austria), I gave a brief survey of gardening in Britain, and notably the different fashions from the landscape park of Capability Brown to Vita Sackville-West's garden at Sissinghurst Castle, Alan Bloom's island beds of perennials and the popular heather gardens. Next followed a fine expert talk on modern hybrid lilies by Carl Feldmaier of West Germany, with some delectable slides. The last day brought a fascinating lecture on perennial plants (including ground-cover plants and ornamental grasses) used to form garden pictures, by Mr. Göritz of East Germany, followed by a colourful survey of the latest varieties of summer annuals (*Begonia semperflorens*, asters, *ageratum*s, African marigolds and the like) by Mr. Mohr of the seed company of Bern, Switzerland.

There was a most (genuinely) friendly atmosphere among those attending the conference—mostly Czechs and East Germans—and a keenness to make contact with gardeners of other nations.

Among the interesting gardens we were taken to see was the Alpine Plant Experimental Garden at Cernolice, some 10 miles S.W. of Prague, managed by Karel Stiven, who had formerly run it as a commercial nursery with his father. A dedicated alpine plantsman, he was caring for a large collection of potted alpiners in frames with a minimum of help and was developing a new rock garden on a rocky hillside nearby to illustrate the plant communities of the Tatras, Carpathians and other parts of Czechoslovakia.

Our visit to the extensive national park, botanic garden and experimental station at Pruhonice (nine miles S.E. of Prague) was also intensely interesting. The park extends to more than 500 acres and forms a beautiful setting for a fine collection of rare trees (especially conifers) and flowering shrubs, and includes several lakes linked by a stream. Developed by Arnost Silva-Taroucca between 1885 and 1914, it reminds one of such English gardens as Leonardslee and Wakehurst. It also contains an extensive alpine garden, planted on a natural crag.

The several departments of the experimental garden were testing and selecting from a wide range of herbaceous plants, tulip varieties and rhododendrons, what was suitable for Czech con-

ditions (with 25 degrees C. of frost in winter). Hybridising and selection in the glasshouse section aimed, among other things, at producing narrower-petalled gerberas, sweet peas with more flowers per stem and hardier rhododendrons.

Biggest surprise of all was that *Rhododendron ponticum*, which we use widely as a rootstock and fear as a weed if left uncontrolled will not stand Czech winters. The old variety Cunningham's White replaces it as a rootstock.

I found the Czech amateur gardeners, who usually garden at the weekends around their small country chalets (on  $\frac{1}{2}$ -acre plots), keen growers of alpines and bulbous plants, particularly the wild species. I also came to realise that Czechoslovakia has a rich natural flora, particularly of alpines and wild orchids. and, when the politicians make it easier, it could well become a botanists' paradise.

To sum up, I found the conference instructive, enjoyable and a useful exercise in international friendship. A. F. DERRICK (1960.)

### **Herbert Spooner (1901)—A Horticultural Outing at 90.**

Herbert Spooner (1901) celebrated his 90th birthday on July 4th, 1968. The following is an extract from the *Prestatyn Weekly*:—

"Numerous greetings were received by Mr. Herbert Spooner, President of the Prestatyn Horticultural Society, when he celebrated his 90th birthday on Thursday, July 4th (Independence Day), among them being a card from the Dyserth and District Field Club signed by all the members. Mr. Spooner was born in 1878 at Lawford, Essex, on the border of Suffolk, in what is known as Constable's Country, and spent the major part of his life in the London area.

"Following success in examinations at Chelmsford County School for Horticulture, Mr. Spooner became a student-gardener at the R.H.S. Gardens, then at Chiswick. Later he went to Kew. It was during his time at Kew that the first Kew Dinner was held, and he was one of the original members who attended. He left Kew in 1901, when he became botanical assistant to the now defunct firm of James Veitch & Sons, Chelsea. For the Jubilee of the Veitchian firm, which occurred during his term with them, he compiled the material for that unique volume, *Hortus Veitchii*, a record of the many introductions of the firm from countries where it had sent collectors.

"From his student days at Chiswick and Kew he had been a regular visitor to the R.H.S. Show—a record run of half a century, and among his many interests he has been a Fellow of the Royal Horticultural Society, a fellow of the Natural History Society, of the 'Charles Lamb' Society, and was an original member of the Council for the promotion of Field Studies. His name is commemorated in the plant *Clematis spooneri* Rehd. & Wils now *C. chrysocoma sericea* (Franch) Schneid. This is a species from W. China, introduced by E. H. Wilson for J. Veitch & Sons.

“Mr. Spooner came to Prestatyn in 1955 to reside with his niece, Miss Jessie Spooner, at 43 Highbury Avenue. He is a valued member of the Dyserth and District Field Club, and has been President of the Prestatyn Horticultural Society for a number of years. His advice on horticultural matters is often sought and readily given. His great joy is ‘walking with his eyes open’ and taking in all he sees, and there is seldom a day when he misses a walk. When he was eighty he climbed Snowden with the Dyserth Field Club, and on his ninetieth birthday he travelled with the Horticultural Society to Corwen for their summer outing.”

All members of the Guild will join in congratulating Mr. Spooner and will wish him many years to enjoy the countryside he loves.

### SIR JOSEPH HOOKER, ONE OF KEW'S GREAT DIRECTORS

One of the makers of the Royal Botanic Gardens, Kew, Joseph Dalton Hooker, was born at Halesworth, Suffolk, on June 30th, 1817, a few weeks after his friend David Lyall (1817-1895). He was the second son of Mr. (later Sir) William Jackson Hooker (1785-1865), who was then a brewer at Halesworth in partnership with another famous botanist, Dawson Turner (1775-1858).

In 1820 his father was appointed Professor of Botany at Glasgow University. Consequently J. D. Hooker attended Glasgow High School and then took a medical degree at the University.

He graduated in 1839 with his friend Thomas Thomson (1817-78), and was appointed during the same year assistant surgeon (and naturalist) in H.M.S. *Erebus* under Captain (later Sir) James Clark Ross (1800-62) on the Antarctic Expedition of 1839-43. The botanical results of this expedition—which were of great scientific value—were written up by Hooker and published in three volumes (1844-60).

In 1847 he went to India returning in 1851 with a huge collection. During this expedition he was captured by the Maharajah of Sikkim for political reasons. However, he allowed him to carry on with his botanical studies.

In August, 1851, he married Frances Harriet Henslow, daughter of the Rev. John Stevens Henslow (1796-1861) who assisted his father who was then Director of Kew Gardens. Six children survived the death of their mother on November 13th, 1874.

His *Himalayan Journals* were published in 1854 and 1855. So popular were they that another edition was published in 1891, followed by a re-issue in 1905.

In 1854 he was awarded the Royal Medal of the Royal Society and the following year he was appointed Assistant Director of Kew Gardens. Hooker had been living at 350 Kew Road and 3 Montague Villas (Richmond Hill) respectively, but in the summer of 1885 he moved into an official residence at Kew.

The first volume of his greatest work, the *Genera Plantarum*, was published in 1862; he collaborated with a very clever botanist, George Bentham (1800-84). They completed the work in 1883.

On the death of his father in 1865—whilst suffering from rheumatic fever—he received a private letter from William Francis Cowper (1811-1888), who was then Commissioner of Works, offering him the Directorship of Kew Gardens.

In August, 1876, having been a widower for two years, he married Hyacinth, only daughter of the Rev. William Samuel Symonds (1818-1887) and widow of Sir William Jardine (1800-1874), a famous writer on natural history. By Hyacinth he had two more children.

Sir Joseph (like his father he was knighted) retired in 1885 and went to live at The Camp, Sunningdale. Many country estates were then springing up in this beautiful part of Berkshire which was a favourite place for famous men to settle in their retirement. A good deal of his retirement was spent studying Indian plants. In a letter dated November 13th, 1885, to Professor William Crawford Williamson (1816-1895), a famous naturalist, he writes, "I am delighted to find that you are still up to your work: Mine is now chiefly the Indian Flora, which will last me my life."

With the assistance of various botanists *The Flora of British India* was commenced in 1872 and completed in seven volumes in 1897.

Throughout most of his life Sir Joseph was a personal friend of Charles Darwin (1809-82). He exchanged numerous letters with him and assisted him with his botanical studies. Wishing to aid in some way the scientific work carried out at Kew, Darwin set aside a considerable sum to complete and publish an up-to-date edition of Steudel's *Nomenclator*. However this idea was abandoned and the famous *Index Kewensis* took its place. After fourteen years of supervision by Sir Joseph it was published in four quarto volumes between 1893 and 1895.

Sir Joseph's sense of humour is shown in his many letters to his friend, Thomas Henry Huxley (1825-95), Darwin's most vigorous upholder and expositor. Many of these are printed in the *Life and Letters of Sir Joseph Dalton Hooker* by Leonard Huxley (1918). Sir Joseph wrote on November 19th, 1859, to Huxley, "... I have avoided suicide by working extremely hard with my head, hands, and legs; have finished 2 papers for Linn. Trans., 2 for Linn. Journal, the Tasmanian Essay which has run to 130 pages, and the Flora of that ilk in 700. Except a week in Norfolk where I geologised 3 days with Lyell and Gunn, I have nowhere but for an occasional Sabbath (I forget how to spell it, but know when it comes) to Hitcham. ..."

Writing at the same time about some insect pests, which Huxley had requested from the hot-houses of Kew, he says, "I send a brood or two of common mealbug, a piece of old cactus with Cochineal Cocci, and a few leaflets of a fern with 'Scale insect'

on it. Fortunately we cannot supply you abundantly by this post, as my father and I have had such rows with the foreman and gardeners about the prevalence of these beasts, that they are nowhere very abundant in our houses just at present. Asking us for Cocci is like asking a decent Boarding School Lady for a few crabs and other Pediculi from her pupils! However for Science's sake we will forgive you."

Sir Joseph never lectured at Kew though he could speak very eloquently. One of his assistants (who later became keeper of the Herbarium) Daniel Oliver (1830-1916), prepared and delivered, *without fee*, lectures to the foremen and gardeners at Kew from 1859 until 1874! Sir Joseph in a letter to Huxley, comments, "I have but one grim abiding source of satisfaction—I don't lecture and I never will".

The laziness of some folk for not attempting to find out the answer to their problems before contacting him was always annoying. He bitterly complains to Henslow on January 20th, 1855, "... I have been bothered out of my life with enquiries about *Gynierium argenteum*. . . . If Sir J.K. would only read *Gardeners' Chronicle*, he will find out all about the plant and that the *male* is not now to be had at Kew—any more than apple flowers are at Xmas. I like your account of Sir J.K., he promises well, and they make me as snappish as a turtle by asking questions that are answered a hundred times over in the weekly periodicals. . . ."

One of the many unique plants named by Sir Joseph was *Welwitschia mirabilis* (syn. *W. bainesii*). He named it after a German botanical explorer, Friedrich Welwitsch (1806-72), who sent specimens to Kew. It is a remarkable tree—hardly a foot in height which produces two leaves during the whole of its life span of at least fifty years.

In this short article it is impossible to say how much we owe to Sir Joseph for our botanical progress today. By his industry and scholarship—considerably helped by his travels—he eased the burden of flowering plant taxonomy for future botanists. But it is rather sad that his concept of the Species Question is ignored by some present-day taxonomists.

For many years Kew residents have called *Galinsoga parviflora* "Joey Hooker's weed" through its spread at and around Kew from Kew Gardens. What is, perhaps, even more remarkable is that Professor A. R. Clapham calls his plant "Joey Hooker" in the *Flora of the British Isles*: thus ensuring that his name will always be remembered by British botanists long after his famous exploits are forgotten!

He died on December 10th, 1911, and, at his own request, was taken for burial to Kew churchyard. There is a tablet to his memory in Kew Church, but Sir Joseph does not really need one: the Royal Botanic Gardens is his memorial.

JOHN L. GILBERT.

## WEDDING BELLS

Miss Jennifer Nau (Student 1967) to Errol David Scarr (Student 1967) at the Parish Church of St. Martin, Church Road, Epsom, Surrey, on 9th December 1967.

A. L. Barnes (1966) to Miss J. Felton (Lab. Tech. Com. Mycological Inst., Kew) at All Saints Church on 2nd March, 1968.

Steve Scarr (Student 1967) to Miss Jacqueline Cotton at Denton Church, Newhaven, Sussex, on 16th December, 1967.

Miss M. Annowetty married in Ghana on 10th August, 1967—  
See Notes and Gleanings and the Address List.

## DANIEL JUDD—ONE OF THE EARLY KEWITES

Extract from the *Gardeners' Chronicle*—June 19th, 1875, p. 785.

“The Royal kitchen garden at Kew was my next venture, there it was my lot to serve some three and a half years in the several departments. The degrees to pass through, and the rules to observe in that place were of a strange character, such as being chained up before the bothy fire, and going through a process of being branded with the letters K.G.—Kew Gardens, while a constable of the garden read over the rules to be observed, and woe betide the young fellow who attempted to resist the tomfoolery.

“Although there were certain stages to pass through, such as wallman, Melon groundsman and day fireman, before reaching the houses and bothy, I was not long in getting to the top of the tree; and when that eminence was reached, plenty of hard work was found, also much more scope for reflection for an active mind. The style of gardening was very loose. Forcing was carried on in the true sense of the word—both day and night: Pines had not time to firm fruit for want of rest—report said that some of them were seven years old, and certain it was that I found some there when I went, and I left the same plants there when I left with fine long legs and well furnished with bug. I looked upon it more as a place of ‘all’ work than a school for young gardeners. The young men had to carry all the coals into waggons from barges moored off Kew Bridge, and from the waggons into the stoke holes, and make heaps of them at the back of the houses, some sixty tons per day. I myself have had 118 sacks on my back in one day. We also had to dig and wheel the loam from the park across the ha-ha opposite Syon House,\* that divided the towing path from the park into barges moored in the river and such adepts were some of the men at navvying that occasionally one or two went off the plank along with the barrows in 6 or 7 feet of water. What would the present race of young gardeners think if they were asked to perform such work? I fear they would look upon it as degrading work. We in those days looked upon it as a lark, obeyed orders and were happy over it. It is well that young gardeners should know what was expected of their class in years gone by. At the

\* This may account for the thin soil overlaying many parts of Kew.—Ed.



present day their ideas appear to be that they ought, to a certain extent, be fine gentlemen, and they fancy if they can only get into the 'houses' for a time they will become gardeners 'ready dressed'; a great mistake, for without intelligent study and close persevering observation, they will no more make gardeners worthy of the name than would have been the case in days of yore.

"The one thing done well at Kew was forcing Cherries: some fair Peaches and Nectarines were also grown."

#### POSITIONS TAKEN BY STUDENTS ON LEAVING KEW

A. A. Balfour	Horticulturist, Kirstenbosch Bot. Gar., C.P.
R. Cowley	Lab. Tech., Ewell Technical College.
M. R. Cudd	
S. W. Dyall	Tech. Asst., Cheadle & Gately Urban Dist. Parks Dept.
R. S. Hebb	Arnold Arboretum, Mass., U.S.A.
H. G. Heywood	Tech. Assist., County Borough of Tees-side.
C. Hindmarsh	Post Graduate, Newcastle University.
C. W. Jones	Park Admin. Course, The Grotto.
Miss M. Jones	Bebbington Parks Dept., Cheshire.
D. H. Miller	
Miss J. Nau	Married E. Scarr, now in South Africa.
G. A. Pattison	Gardens Supervisor, R.B.G., Kew.
R. A. Pitt	Runcorn New Town, Cheshire.
J. D. Roberts	Employed by John Brooks, Landscape Designer.
S. C. Scarr	Park Admin. Course, The Grotto.
I. M. L. Sheperd	Tech. Assist., Skelsmersdale, Lancashire.
G. F. Smith	Auckland Parks Dept., New Zealand.
Miss E. Stevens	N.A.A.S. Officer.
D. Walshaw	Park Admin. Course, The Grotto.
A. D. Webster	Post Graduate, Bath University.
A. N. Weir	Tech. Assist., Glasgow Parks Dept.
Fann-Chin Yong	Res. Officer, Feb. Land. Dev. Assoc. Res., Central Malaysia.

#### PREVIOUS POSITIONS OF STUDENTS ENTERING KEW

(The Course commenced 7th October, 1968)

C. B. Bamkole	Student Gardener, Messrs. Hillers & Sons, Winchester.
R. Chandler	School Groundsman, Northumberland C.C.
G. Cole	Apprentice, Parks Dept., Bedworth U.D.C.
C. D. Hallsworth	Trainee Gardener, Watford Borough Council.
A. P. Harvey	Certificated Gardener, Class II, London Borough of Croydon.
C. Hilton	Nursery Work, Kent College of Horticulture, Swanley.
M. J. Leppard	Landscape Gardener, Stuart W. Lee-Smith, Landscape Gardens.
A. R. Lovett	Gardener, The Close, Bridge, Canterbury, Kent.
B. G. McKarry	Apprentice Gardener, Belfast Corporation Parks Dept.
D. T. Mcquire	Certificated Gardener, Slough Borough Parks Dept.
W. Parkinson	Apprentice, Blackpool Parks Dept.
J. M. Reed	Apprentice Gardener, Bournemouth Parks Dept.
J. A. Smith	Student, Askham Bryan, College of Agriculture.
G. R. Watts	Horticultural Apprentice, Southend Corporation Parks Dept.
M. Wilkinson	Certificated Gardener, Hazel Grove & Bramhall U.D.C.
S. A. Wilton	Outside Garden Staff, Dartington Hall.
P. Young	Apprentice Gardener, London Borough of Sutton Parks Dept.

## ALFRED BERTRAM MELLES

It is with deep regret that all his past horticultural colleagues and friends will have learnt of the death of Alfred Bertram Melles at Salisbury in Wiltshire on November 8th, 1968.



Melles was Vice-President of the Kew Guild from 1965 to 1967 and in the *Kew Guild Journal* for 1965 a synopsis was given of his career from the days of his earliest training to his final part-time retirement work for the Roads Beautifying Association. The greater part of his life however was spent working for the Commonwealth War Graves Commission where, with three other Kewites, he started off the horticultural work of the Commission after the 1914/18 War, transposing the muddy war-torn wastes of Flanders and North Eastern France into garden cemeteries of great beauty. Even after his retirement Melles' thoughts constantly recurred to the work to which he had devoted so much of his life.

Melles had always a special interest in trees and shrubs and was particularly knowledgeable about them. Throughout his life he was deeply proud of having been one of the very first to gain the National Diploma of Horticulture after its inception.

Whilst Melles had a successful and distinguished horticultural career, being awarded the M.B.E. in 1925 for his work, it is perhaps for his personal qualities as a man that he will be best held in memory. He was truly a gentleman by nature, modest, always helpful to others, incapable of meanness in thought or deed and sustained by a deep religious conviction. He was a man blessed in his wife, his children, his friends and his interests and he led a full and happy life, passing away peacefully in his sleep at the age of 73. He will be widely missed by all who knew him.

To his widow and family we extend our deepest sympathy.

W. F. W. HARDING, *Chief Asst. Officer,*  
*Commonwealth War Graves Commission.*

## ROLAND ALFRED JAMES HOLDER

Mr. Holder, who was born at Wimbledon on 27th March, 1887, commenced under his father, who was a gardener growing grapes, melons, strawberries out of season and large chrysanthemums. He was 14 and stayed with his father for about three years.

He left for a wider experience and spent the following years until the first world war working on large estates as a journeyman, such as at Portslade House, Llantarnum Abbey, where he gained experience in the growing of tropical fruits and ferns and at Downside, the home of Mr. Alfred Tate, at Leatherhead. In such gardens as these and at Pains Hill, Cobham, Surrey, the home of Mrs. Combe, where the gardens were laid out by Capability Brown and in others where he was to work after the first world war. Mr. Holder gained the love and valuable experience of the many different varieties of plants and trees.

During the first world war he served with the Queens Royal Regiment and went to India and fought in the Afghan War in 1919. Whilst he was in India he did make some studies of the forest trees to be found in that part of the world.

On his return from India he returned to Pains Hill, from which he left to join the forces, and in 1920 married Beatrice Ann Parmenter, herself the daughter of a gardener, and his two daughters were born at Pains Hill. He became Head Gardener to Mrs. Combe and stayed at Pains Hill until 1928, when he moved to East Sussex as Head Gardener to Major Frank Young at Stillyans, Horsham Road. There he had his first experience of building a large rock garden from a virgin site, with pools and water running into a lake at the bottom.

On the death of Major Young in 1937 he went to Jersey, Channel Islands as Head Gardener to Lady Knott (now Mrs. Obbard) of Samares Manor, a garden famous amongst other features for its many varieties of Camellias growing out of doors.

In 1940 he and his family fled from the German occupation of the Channel Islands to England and within a few months he was offered a position at Kew where he became foreman of the Ferneries Department, and then an Assistant Curator.

At this point we quote from the Obituary which was published by the *R.H.S. Garden Club Journal*, by kind permission of the Director, "He moved in 1945 to Dunsborough House, Ripley, in the employ of Sir Oliver Simmonds. He here lost his wife and shortly after her death he was invited in 1949 to take charge of the Rock Garden at Wisley

"Roland Holder was over sixty when he first came to Wisley so not many people know much about his early career, but in the twelve odd years spent with us he became liked as a man and respected for his horticultural skill. He was rather stern regarding

his duties but with a good sense of humour, and possessed a shrewd instinct so that he rarely failed to judge problems correctly. His advice was worth seeking in most affairs and certainly for Orchid and Alpine plant matters. His decorative work showed a delicate touch and a fine appreciation of colour arrangement, and in St. Helier, Jersey, he will be long remembered for a particularly excellent exhibit of 75 odd apple varieties at one of their shows. Perhaps his greatest triumph however, was the rock garden he built on the embankment site at Chelsea Show in 1957 and around which he personally conducted the Queen Mother.

“He was a man of many parts and possessed a very fine singing voice up to an advanced age—a voice which in his early years at Cobham had been in great demand as he was soloist to the Church Choir.”

In February, 1959, he was awarded the Associate of Honour of the Royal Horticultural Society and he retired in 1961. He died on the 14th March, 1968.

We send our sincere sympathies to his daughter and to other relatives.

#### JEAN BINTNER

We had reported in the last *Journal* that Monsieur J. Bintner died on 15th April, 1965. He was 75. We could do no better than to quote from the letter which was received from Madame Jean Bintner (née Miss Kathleen M. Harper who left Kew in 1918) — “He was always a great gardener and loved it more than anything else. When we went to Luxembourg in 1922, he was in the Ministry for a few years, and then started an experimental station for shrubs and rare plants and a wonderful rose garden. It was not a success, and he returned to England and joined Monro’s of Covent Garden—he opened up branches for them in Paris, Marseilles and Monaco.



“We lived in Paris for a year or two before the war, but when the Germans advanced close to the city we went down to Marseilles.

Very soon he was not allowed to work any more and only gardened for ourselves, owing to the help which he had given to several people who wished to return to England. He also helped the French Resistance and was imprisoned by the Germans. Fortunately, unlike many of his friends he was not sent to Germany, for he was a very sick man. He had cancer and although he lived for many years after the war he was always ill and had several operations."

To Madame Bintner and their relatives we send our sincere sympathies.

### HEINRICH SCHOLZ

We regret to report that H. Scholz died on 2nd May, 1968, at his home at Bytom, Poland. He left Kew in 1903. His wife — Luzja Scholz, who passed away a few months later on 16th August, sent us the following details : —

"He went from England to France to learn the language, where he stayed for 1½ years. Then his old mother wanted to have him with her, and so he remained but not in Germany. He took a post as a Head Gardener in Russia and ran the Royal and Imperial Gardens there for a few years.



From these he went to Raciborz in the Upper Silesia to a countess. There he stayed for several years. Then he was in the war, he was always glad that he came home from this in good health. After the war he was with Count Franken-Licersdorf as Head Gardener, and there I came to know him and we married on 24th May, 1922, and so I took him into my business as a partner. It was in its time a very large business, a very renowned magnificent flower business. He was really a great help and protection to me, but soon others realised that he was efficient and so they chose him as manager of the district group—'German Flower Company'.

"He continued this work until the Russians came and then everything was taken from us. I went to work in foreign firms and my husband gave English and French lessons, but he enjoyed teaching English most of all. He was always enthusing to me about England where he said he spent the best days of his life. Right up

to his death he spoke about it. Just fourteen days before he died he gave a lady an English lesson, which gave him great joy. The pupils all liked him. We also had a beautiful garden and everything was taken away from us. He always hoped that his wonderful business would be returned to him, but unfortunately it turned out otherwise.

“He always enjoyed receiving your *Journals* and he thanks you heartily once more, for always thinking of him and sending him the *Journals*. They gave him so much pleasure.”

Frau Scholz then apologised that she could not give more details. She adds—“all records were lost when the Russians came”.

Heinrich Scholz was loyal to Kew throughout his life, and always wrote for the *Journal*. He could not be a paid up member as he could not send money out of Poland. The Guild has lost a very loyal member. We send our sincere sympathies to his family in their distress.

#### A. W. PROUDLOCK

Albert William Proudlock died at his home, Kent Cottage, Bamburgh, Northumberland on April 2nd, 1968 in his 90th year, after a very short illness. The younger brother of Robert Lewis Proudlock, he was born at Riding Lea in Northumberland, and lost both his parents by the age of seven. Although he knew, early in life, where his interest lay, the handicap of having no parents, and no financial support after the age of 15, presented a challenge which he was determined to overcome. After several years of hard and varied practical



experience, and as a result of his attendance at night school, he had progressed sufficiently to be appointed as foreman at Axewell Park, Blaydon-on-Tyne. He entered Kew as a student gardener in 1904, and worked in the Ornamental and Orchid Departments. He was awarded the Hooker Prize for taking a leading part in the weekly

discussions promoted by the Mutual Improvement Society. He always spoke with pleasure of those happy, hardworking and formative days under Sir David Prain, William Watson, William Dallimore and Charles Raffill. He had known John Hutchinson at Axewell Park, and had a room in the same house at Kew, while the late F. G. Preston not infrequently persuaded him to act as scorer in the cricket matches.

On leaving Kew he went to lay out an estate for a millionaire in North Lancashire, and he married Miss Charlotte Howard. They had two daughters. During this period he met the Lecturer in Landscape Design at Liverpool University: Mawson (later Sir Thomas Mawson), the internationally famous landscape designer. He encouraged him to lecture, a talent at which he was especially gifted throughout his life. Mawson tried to persuade him to carry out a project in Canada, but, for family reasons, he regretfully declined this offer.

Proudlock's ambition was to join the Board of Agriculture and Fisheries, but the war came and he enlisted in the King's Liverpool Regiment. In 1918, about eight months before the end of the war, the Board of Agriculture requested his release, and he became a Sub-Inspector (Horticulture). A few years were spent in Kenilworth and Cambridge, and then followed some of the happiest years of his life, when he was based in Stafford from 1922 until his retirement in 1947.

Apart from his official duties he was on the Committee of the Council for Social Service, and he was a keen member of the Staffordshire Bee-Keepers' Association. During the 1939/45 war he was responsible for the setting up of many food production committees in the Midlands and arranging Dig for Victory Campaigns. In addition he was a member of the Staffordshire Agriculture Executive Committee from its inception. Later, when N.A.A.S. was formed he became a member, and even after his retirement, he continued for a time in order to help in training the new staff in D.I.P. work.

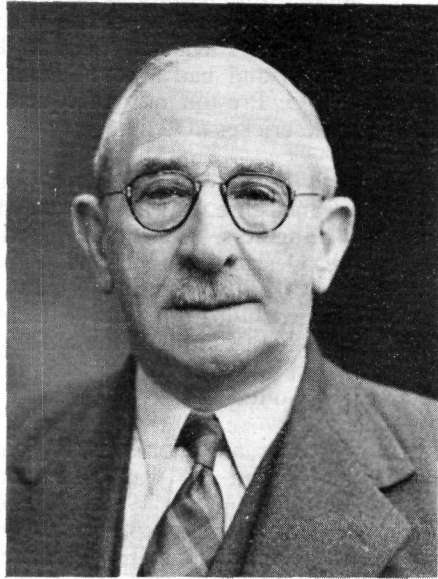
Albert Proudlock was a lifelong member of the Church of England which he served faithfully in many ways. He was a Churchwarden for many years. When he left Stafford his many friends gave him a greenhouse as a mark of their affection. Sadly he lost his wife soon after his retirement. To the last he was alert and loved flowers, in fact, a few hours before the end of his life his elder daughter brought in a bowl of spring flowers. She remarked that the *Prunus subhirtella* was particularly lovely. He retorted—"no daughter of mine should make that mistake, you have omitted 'Autumnalis'".

We offer our sincere sympathies to his two daughters and to the other relatives.

## WILLIAM LAWRENCE LAVENDER

It is with regret we record the death of Mr. W. L. Lavender on 17th September, 1968, eleven days after his 93rd birthday.

Mr. Lavender commenced his career at Haydon Hall, Eastcote, Middlesex, noted for its fine collection of orchids and indoor fruit. He then moved to Bentley Priory Gardens, Stanmore, where his love for greenhouse flowers began. Mr. Lavender entered Kew in May, 1899, and commenced in the Decorative Department where the whole of his two years were spent.



His first position on leaving Kew was at Grove Park, Chiswick, but he soon moved to Chadwar, Bourton-on-the-Water, Glos. After two years he was appointed Head Gardener at Manor House, Waltham St. Lawrence, Berks, where he remained for a similar period; in 1910 he accepted the post of Head Gardener to the Princess of Monaco at Haut Buisson, Laferte, Bernard, France, in charge of an extensive garden in the English style. He returned to England at the outbreak of the 1914-18 war, and was invited to take charge of the Temperate House during the temporary absence of Mr. Raffill. At the conclusion of hostilities he went to Messrs. Carters, Raynes Park, in charge of the Trial Grounds, and shortly afterwards to the Advisory Department. It was in this position he became so widely known and loved by Old Kewites, throughout the country for a period of nearly forty years. He served on the Royal Horticultural Society's Fruit and Vegetable Committee which judged the Trials of Vegetables at Wisley. He was elected an Associate of Honour of the Royal Horticultural Society in 1952. As record of his devoted service in another field, he joined the Horticultural Benefit and Provident Society in 1900, and from 1928 until his death, was a member of the Management Committee.

Mr. Lavender was a devoted member of the Kew Guild and was elected President for the year 1941-42, but unfortunately due to the war years, was deprived of the privilege of presiding at a Kew Dinner. He was for many years a familiar and regular figure at these functions, in fact it would be difficult to visualise a Kew



meeting without his presence. Mrs. Lavender, too, always accompanied her husband on these occasions and was well known amongst his large circle of friends. She died several years ago.

Many members of the Guild will mourn the passing of a man with such high ideals, generous and helpful to the youthful aspirant, of deep religious conviction, gentle and kindly at all times. During the latter years of his life, arthritis restricted his movement with the added disability of failing eyesight. His faculties were in no way impaired however, and visitors were astonished at the wealth of his knowledge as he recalled incidents and personalities of the past.

The sudden loss of his only daughter, Kaye, in August, came as a great shock to him, and this undoubtedly contributed to his death at the West Middlesex Hospital only three weeks afterwards.

The funeral took place at the Kew Road Methodist Church where he had been a constant worshipper for many years. A number of Old Kewites led by the President of the Kew Guild, Mr. F. P. Knight, attended.

To his son-in-law, Mr. Fred Whitty and his two grandsons we extend our sincere sympathy.

C. R. STOCK (1927).

#### ROBERT ORCHARD WILLIAMS

R. Williams had a distinguished career overseas after leaving Kew in 1916, to take up his first appointment as Curator of the Trinidad Botanic Garden. He was born on the 24th January, 1891, at West Lulworth, Dorset and went to the village school—later to Polytechnic classes. His early employment was at the Gardens, Bridehead, Dorset and Veitch's Nurseries, Feltham, Middx. He was a student and sub-foreman at Kew from 1913-1916.



Apart from his horticultural work in Trinidad, he found time for botanical work also, and wrote some of the earlier parts of the *Flora of Trinidad and Tobago* which began to be published in 1928. Most of his working life was in the West Indies, where he held several different horticultural and agricultural appointments.

At one time he was especially concerned with the commercial production of Citrus fruits, notably grapefruit, a subject on which he was an acknowledged authority. Among his publications while in the West Indies was his *School Gardening in the Tropics*, which is still used in schools in the West Indies, a third edition having appeared in 1949. He also wrote a *Guide to the Trinidad Botanic Gardens and Useful and Ornamental Plants of Trinidad and Tobago*, an extremely good book which also ran into three editions. It contains much useful information on the economic and ornamental plants of the tropics in general, a subject on which R.O.W. was himself extremely knowledgeable.

At one stage in his career (1935-1939) Williams worked in Palestine (now Israel), as Chief Horticultural Officer, where he did much of the spade work in building up the Citrus export industry of that country. He returned to Trinidad in 1939 as Deputy Director of Agriculture and was acting Director from 1941 to 1944. In 1945 he was appointed Director of Agriculture, Zanzibar, where his work was concerned with clove production. He retired from his post and the Colonial Service in 1948, when he promptly became Manager of the Clove Growers' Association in Zanzibar, a position he held until 1959, when he finally retired and went to Cape Town to live. While in Zanzibar he wrote, as a spare-time occupation, the book *Useful and Ornamental Plants in Zanzibar and Pemba*, a work with which one of his sons, also a horticulturist and agriculturist, was able to give him some assistance. His decorations include—Associate of Honour R.H.S. in 1932, the O.B.E. (Civil) in 1943, Associate (honoris causa) Linnean Society in 1954, C.B.E. (Civil) in 1956 and the Brilliant Star of Zanzibar in 1959.

The writer last saw William many years ago, when we accidentally met looking round the Cape Town Botanic Garden. He was then on leave from Zanzibar, and staying with a married daughter who lived in Cape Town. Williams retired to Constantia to live, not far from the Kirstenbosch Botanic Gardens, where he and his wife spent many happy hours. He died in Cape Town on 28th March, 1967, and is survived by his wife, a daughter and two sons. The writer is indebted to Mrs. Williams for some of the information here given.

F. N. HOWES (1966).

#### JAMES SIMMONS

We regret to record the death of James Simmons during January, 1968, at the age of 87. He was a Cornishman born at Carclew, Mylar, Cornwall, his father being head gardener. These gardens were noted for a fine collection of trees and shrubs and were often visited by the late W. Watson and W. J. Bean during their walking tours of the West Country. Charles Raffill was also another frequent guest at his father's house.

It was only natural that after his initial training under his father that he should enter Kew. This he did in 1901, leaving in 1903 after his studentship and was successively employed at the

Stuart Low Nurseries, Enfield and at North Mymms Park, Hatfield, Hertfordshire. In 1914 he married Miss D. Dickens of North Mymms when he was appointed Head Gardener at Parnham Park, Dorset.

In 1927 he moved to Nazeing Park, Waltham Cross, Essex, and was in charge of these gardens until he retired in 1947. It was at these gardens that I first met Jim, and I have happy memories of many visits with him to the R.H.S. Shows at Vincent Square during the 1930's, where he was delighted to meet and renew his friendship with the late Messrs. Raffill, Osborne and Dallimore.

Being of a quiet and retiring nature, he had a charm of manner which endeared him to many friends by whom he will be sadly missed. He is survived by his wife and daughter of Brosebourn, Hants, to whom we send our sincere sympathies.

CYRIL JONES (1923).

VICE-PRESIDENT, 1964-66.

### T. J. VEAL

Sadly we report the death of Thomas John Veal. He died on 8th December, 1967, at the age of 83. Veal spent his early years at Falmouth which he left at the age of 19 to take up a "position" at Messrs. Low & Co., Enfield. He entered Kew as a student gardener in November, 1905, and left in March, 1907, to work at Hillsborough Gardens, Yelverton, Devon. Later he was a foreman with Mr. Theodore Chalice at Plympton, also in Devon, where he served for many years. In this capacity he specialised in Chrysanthemums, winning many awards. He also won considerable respect as a judge.



His first wife was Miss Common of St. Columb, Cornwall. His second wife wrote—"on our marriage in 1930 Mr. Veal met Mr. G. Cousins, who was then Parks Superintendent to Torquay Corporation. He was needing a propagating foreman and my husband accepted the position. He stayed for sixteen years before going to the Salvation Army Hadleigh Colony, but he left after one year, as my health necessitated me returning to Devon. He took

the position of head gardener to Mr. G. V. Northcott, Nutwell Court, Lympstone, and was very happy there. He said of Mr. Northcott that he was the best employer he had been with. He stayed there until he retired at the age of 74. He did not want to even then, but Mr. Northcott had to insist as his sight was getting very bad. He always said, if he had his time to go over again he would still be a horticulturist, he loved plants. He had a full life of doing the work he loved best. He loved Kew and his associations there."

We send Mrs. Lily L. Veal our sincere sympathies.

#### HERBERT COWLEY

Mr. H. Cowley, a former Editor of the *Kew Guild Journal*\* died in early November, 1967, at the age of 82. Cowley was the son of a gardener and commenced his gardening career at the famous Lockinge Gardens in Berkshire. From Lockinge he gained a scholarship to the Horticultural College where he spent two years. It is here that Miss M. M. Whiting, herself an Old Kewite, takes up the story, she writes—  
"Herbert Cowley was one of the last eight men students at Swanley College. They all left I think in July, 1902, after which



it was women only. I myself entered Kew as a student the year before, in May, 1901. Men and women were kept strictly apart, but on the last day of the summer term, 1902, many students had already left and rules were waived for the moment. Cowley and I were put on the job of sticking labels on the pots of jam made the day before. I do not remember what jam it was, but I remember Herbert Cowley well".

He left Swanley to join Messrs. Veitch's nursery, but much of his earlier career up to the end of 1915, including his meritorious war services with a fine photograph of him in uniform, is given in detail in *K.G.J.*, Vol. III, No. XXIII (1916), page 296. He also wrote in the copy of the *Journal* which followed (No. XXIX (1917), page 363). This article upon the work of Arthur Garrett reveals his great interest in writing and in editorial work.

He started journalism as sub-editor of *Popular Gardening* (then the *Gardener*), and then held the post of editor of *The Garden* from 1915-26. The story is taken up by a quotation from an extract kindly sent to us by Messrs. Benn Brothers Ltd., Fleet Street—"He is now with Messrs. Wallace & Co., the well-known firm of nurserymen and landscape architects at Tunbridge Wells, the nurseries being famed for their collections of Rhododendrons, Irises and Lilies. As readers of *Popular Gardening* know, Mr. Cowley has travelled far in search of plants in their native homes. He has written of his experiences in Bulgaria in our pages. Last summer Mr. Cowley went to the Dolomites, and next year he contemplates an expedition to the Carpathians". He visited Bulgaria as a guest of King Ferdinand and in company with the late C. F. Ball (*K.G.J.* No. XXIII (1916), page 307).

From 1923-36 he was editor of *Gardening Illustrated*. Of this period, Mr. A. G. L. Hellyer, horticultural journalist, writes—"Throughout the 1920's he was always a prominent figure at shows—with close cropped hair and always a large wooden camera and stand. He seemed to do all his own photography as well as being editor."

Finally, quoting from the *Western Guardian*, November 9th, 1967—"On leaving Fleet Street he went to Withypool on Exmoor, and ran a riding school for twenty years before moving to Brixham about six years ago. In Brixham he devoted much of his time to growing camellias, nerines and alpine plants. He was an honorary life member of the Alpine Garden Society, a Fellow of the International Camellia Society and a member of the newly formed Nerine Society".

We send our sincere sympathies to his widow and son.

\* Mr. H. Cowley was Editor (and Secretary) of the following copies of the *Kew Guild Journal*:

Vol. II, Nos. XVII and XVIII (1909 and 10), Vol. III, No. XIX 1911 and 12), No. XX (1913) and No. XXI (1914).

**KEW STAFF LIST**  
(October, 1968)

† Formerly a Student Gardener.

	<i>Entered Kew</i>
<b>DIRECTOR'S OFFICE</b>	
Director .....	Sir George Taylor, D.Sc., F.R.S., 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 .....	W. C. W. Grimes ... 1967
" .....	Miss M. R. Axton ... 1967
" .....	Mrs. A. M. E. Kendall ... 1947
Clerical Officer/Secretary .....	Mrs. V. O. M. Clark ... 1967
Clerical Officer .....	Mrs. H. M. Hyde ... 1966
" .....	J. A. Vaughan ... 1966
" .....	E. F. Bacon ... 1968
" .....	Mrs. I. V. Render ... 1965
" .....	Mrs. P. G. Warris ... 1961
Clerical Assistant .....	Mrs. F. L. Upton ... 1964
" .....	Miss L. M. Jenkins... 1966
" .....	Mrs. F. I. Hughes ... 1962
" .....	Mrs. E. M. Kedge ... 1965
" .....	Miss M. I. Hutchins ... 1967
" .....	L. E. Hare ... 1966
Shorthand, Typist .....	Miss E. H. Smith ... 1966
" .....	Mrs. K. M. Murphy ... 1968
Telephone Operator .....	Mrs. C. Lansdell ... 1966
<b>HERBARIUM AND LIBRARY</b>	
Deputy Keeper, S.P.S.O. ....	E. W. B. H. Milne-Redhead, I.S.O., T.D. M.A., F.L.S. ... 1928
Senior Principal Scientific Officer.....	R. W. G. Dennis, B.Sc., Ph.D. ... 1944
Principal Scientific Officer.....	P. S. Green, B.Sc., F.L.S. ... 1956
" .....	R. D. Meikle, B.A., LL.B., F.L.S. 1947
" .....	D. A. Reid, B.Sc., Ph.D. ... 1951
" .....	W. D. Clayton, B.Sc., Ph.D., A.R.C.S., F.L.S. ... 1958
" .....	F. N. Hepper, B.Sc., F.L.S., M.I.Biol. ... 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
" .....	D. M. Dring, B.Sc., Ph.D., F.L.S. 1962
" .....	P. F. Hunt, M.Sc. ... 1959
" .....	R. M. Polhill, B.A., F.L.S. ... 1961
" .....	G. Ll. Lucas, B.Sc., F.L.S. ... 1963
" .....	D. R. Hunt, M.A., A.R.C.O. ... 1961
" .....	R. M. Harlev, B.A., Ph.D. ... 1968
" .....	W. Marais, B.Sc., M.Sc. ... 1968
" .....	I. K. Ferguson, B.A., Ph.D. ... 1968
" .....	Miss D. M. Napper, B.Sc., F.L.S. 1965
" .....	R. K. Brummitt, B.Sc., Ph.D., F.L.S. 1963
" .....	A. R. Smith, B.Sc. ... 1962
" .....	C. C. Townsend ... 1959
Scientific Officer .....	E. R. Guest, B.Sc., A.R.C.S., A.I.C.T.A. (Iraqi Govt.) ... 1959
" .....	Mrs. S. M. Phillips, B.Sc. (Miss King) ... 1966
Botanist (Bentham-Moxon) .....	H. K. Airy Shaw, B.A. ... 1925

Entered  
Kew

Botanist (Liaison Officer) .....	E. G. H. Oliver, M.Sc. (S. Africa)	1967
" " " .....	A. S. George (Australia) ...	1968
Principal Research Fellow .....	B. Verdcourt, B.Sc., Ph.D., F.L.S.	1964
Senior Experimental Officer .....	P. G. Taylor, F.L.S.	1948
Experimental Officer .....	Miss S. S. Hooper, B.Sc., F.L.S. ...	1954
" " " .....	Mrs. J. L. M. Pinner (Miss Fletcher)	1952
" " " .....	D. Philcox, M.I.Biol., M.Sc., F.L.S.	1959
" " " .....	D. V. Field, B.Sc., M.Phil., F.L.S.	1960
" " " .....	Miss J. K. Bowden, B.Sc., F.L.S....	1949
" " " .....	M. J. S. Sands, B.Sc. ...	1959
" " " .....	D. N. Pegler, B.Sc., M.Sc., F.L.S....	1960
" " " .....	G. E. Wickens, B.Sc., M.Sc., F.L.S.	1967
" " " .....	B. F. Mathew ...	1967
Assistant Experimental Officer .....	S. A. Renvoize ...	1963
" " " .....	N. H. Sinnott ...	1963
" " " .....	C. Grey-Wilson, B.Sc. ...	1968
Senior Scientific Assistant .....	Miss J. Forster ...	1947
" " " .....	Miss I. Blewett ...	1941
" " " .....	Miss T. A. Bence ...	1958
Scientific Assistant .....	Miss P. Halliday ...	1947
" " " .....	J. L. Gilbert... ..	1955
" " " .....	Mrs. J. Richardson (Miss McEwan)	1956
" " " .....	Mrs. A. M. Geary ...	1968
" " " .....	Mrs. D. Polhill (Miss Moscoff) ...	1957
" " " .....	Miss V. Mann ...	1958
" " " .....	Mrs. D. M. Bridson (Miss Shepherd)	1963
" " " .....	Mrs. K. Legassick ...	1968
" " " .....	Mrs. M. J. Bowen-Jones ...	1963
" " " .....	Mrs. F. Neate, B.A. (P/T)... ..	1963
" " " .....	Miss V. A. Carder ...	1955
" " " .....	Miss V. F. Mulford ...	1964
" " " .....	Mrs. J. S. Page (Miss Frost)	1966
" " " .....	Miss J. M. Shaw ...	1966
" " " .....	Miss J. Redpath ...	1968
" " " .....	Miss P. E. Carman (Cyprus)	1966
" " " .....	Miss M. A. Wood ...	1966
" " " .....	Mrs. C. M. Barndon ...	1968
" " " .....	P. J. Edwards ...	1967
Senior Photographer .....	R. R. Zabeau ...	1956
Senior Illustrator .....	Miss M. A. Grierson ...	1960
Librarian .....	R. G. C. Desmond, F.L.A. ...	1961
Assistant Librarian .....	Miss M. M. Stammers, B.A., A.L.A.	1967
" " " .....	Miss K. E. W. Rattue, A.L.A. ...	1961
" " " .....	Miss G. M. Grainger, A.L.A. ...	1964
Library—Clerical Officer .....	Mrs. J. Ashman ...	1967
" " " .....	Miss H. M. White ...	1959
" " " .....	Miss M. J. Kierans ...	1934
" " " .....	Mrs. P. A. Wilson ...	1967
" " " .....	Mrs. K. E. Mortimer ...	1964
Library—Clerical Assistant .....	Mrs. H. Hinds ...	1967
Library Typist P/T .....	Mrs. M. Gazzard ...	1966
" " " .....	Mrs. J. E. Taylor ...	1966
Senior Preparer (Sen. Lab. Attendant)	Miss I. L. Taylor ...	1959
Preparer (Laboratory Attendant) .....	Mrs. H. Dzilna ...	1954
" " " .....	Mrs. L. C. F. Glenister ...	1956
" " " .....	Mrs. V. E. Baker ...	1959
" " " .....	Mrs. M. W. Glover ...	1960
" " " .....	Mrs. D. B. Boaler ...	1962
" " " .....	Mrs. E. M. Tooth ...	1965
" " " .....	Mrs. F. V. Cox ...	1966
" " " .....	Mrs. I. R. Tinker ...	1966
" " " .....	Mrs. A. Claxton ...	1966

	<i>Entered</i>
Assistant (Bentham-Moxon) .....	Kew 1959
" " .....	1960
" " .....	1961
Executive Officer .....	1963
Clerical Officer .....	1967
" " .....	1967
C.O./Superintendent of Typists .....	1955
Clerical Assistant .....	1963
Shorthand Typist .....	1966
" " .....	1966
Typist .....	1961
" " .....	1947
" " .....	1964
" " .....	1964
" " .....	1955
" " .....	1955
" " .....	1966
" " .....	1967
Senior Messenger .....	1965
Duplicator Operator .....	1968
Gardener, Grade I .....	1942
<b>JODRELL LABORATORY</b>	
Keeper (Senior Principal Scientific Officer) .....	1930
Principal Scientific Officer .....	1960
" " " .....	1964
Senior Scientific Officer .....	1950
" " " .....	1966
" " " .....	1962
" " " .....	1962
Experimental Officer .....	1966
" " " .....	1961
" " " .....	1934
Assistant Experimental Officer .....	1961
Senior Scientific Assistant .....	1950
Scientific Assistant .....	1967
" " .....	1965
" " .....	1966
Senior Photographer .....	1965
Laboratory Attendant .....	1963
" " .....	1965
Senior Research Fellow .....	1967
Laboratory Mechanic .....	1967
Shorthand Typist .....	1951
<b>MUSEUM DEPARTMENT</b>	
Senior Experimental Officer .....	1959
Assistant Experimental Officer (Guide Lecturer) .....	1965
Museum Technician .....	1968
Clerical Assistant .....	1968
Scientific Assistant .....	1964
Typist (P/T) .....	1967
Information Officer .....	1968
<b>GARDENS</b>	
Curator .....	1966
Assistant Curator (Acting Deputy Curator) .....	1958
P. Heawood .....	1959
Mrs. S. M. Shury .....	1960
Miss C. Newall .....	1961
Mrs. E. J. Everitt .....	1963
Mrs. M. D. Norman .....	1967
W. J. Nicholas, B.A. ....	1967
Mrs. M. J. Brind .....	1955
Mrs. I. I. Scott .....	1963
Mrs. P. M. Hutchinson .....	1966
Mrs. D. A. Campbell .....	1966
Miss I. M. Chambers .....	1961
Mrs. M. M. Longman .....	1947
Mrs. E. N. Attwood, P/T... ..	1964
Mrs. I. E. Lightman .....	1964
Mrs. B. C. Davis .....	1955
Mrs. E. J. Fitchett, P/T .....	1955
Mrs. J. E. Turner .....	1965
Mrs. J. L. Ronald .....	1966
Mrs. D. M. Rocke .....	1967
W. H. Nightingale .....	1965
Mrs. P. Lemon .....	1968
W. A. Mullins .....	1942
C. R. Metcalfe, O.B.E., M.A., Ph.D., F.L.S., F.I.Biol. ....	1930
K. Jones, B.Sc., Ph.D., F.L.S. ....	1960
P. A. Thompson, B.Sc., M.Sc., Ph.D. ....	1964
Miss M. Y. Stant, B.Sc., Ph.D. ....	1950
T. Reynolds, B.Sc., M.Sc., D.I.C., A.R.C.S. ....	1966
D. F. Cutler, B.Sc., Ph.D., F.L.S., D.I.C. ....	1962
C. J. Marchant, B.Sc., Ph.D. ....	1962
D. J. C. Fox, A.M.I.T.E. ....	1966
Miss M. Gregory, B.A. ....	1961
F. R. Richardson .....	1934
Mrs. C. A. Jopling (Miss Colden) .....	1961
Miss D. M. Catling .....	1950
N. J. McAdam .....	1967
Miss C. A. Brighton .....	1965
Miss P. Kloosterman .....	1966
T. A. Harwood .....	1965
Miss B. M. Young (P/T) .....	1963
Mrs. E. Turrell (P/T) .....	1965
P. E. Brandham, B.Sc., Ph.D. ....	1967
E. Borez .....	1967
Miss V. Horwill .....	1951
Miss R. C. R. Angel, B.Sc., Dip.Hort.Sc. ....	1959
Miss L. Ponsonby .....	1965
G. M. Cousins .....	1968
Mrs. K. Allen .....	1968
B. O'Dowd .....	1964
Mrs. J. Carter .....	1967
P. Reid .....	1968
R. L. Shaw, N.D.H....	1966
†J. B. Simmons, N.D.H. ....	1958



	<i>Entered</i>	<i>Kew</i>
Assistant Curator .....	†G. H. Preston, F.L.S. (Herbaceous)	1934
" " .....	*†S. W. Rawlings, A.R.P.S. (Tropical)	1934
" " .....	†G. E. Brown, N.D.H. (Arboretum S.)	1946
" " .....	B. Halliwell, N.D.H. (Decorative)	1968
" " .....	†R. I. Beyer (Arboretum North) ...	1955
" " .....	C. M. Erskine (Temperate) ...	1968
Supervisor of Studies .....	†L. Pemberton, N.D.H., Dip.Arb....	1952
Gardens Supervisor .....	H. J. Jackman (Decorative)	1949
" " .....	W. Bridle (Temperate House Pits)	1946
" " .....	†A. J. Hale (Temperate House) ...	1955
" " .....	H. Bruty, B.E.M., A.H.R.H.S. (Ferneries—Tropical) ...	1946
" " .....	E. W. Macdonald (Succulents— Tropical) ...	1950
" " .....	†G. E. Nicholson (Orchids—Trop.)	1947
" " .....	†R. H. Rule (Palm House—Tropical)	1956
" " .....	†F. A. Larkbey (Decorative) ...	1947
" " .....	†M. J. Dawes (Arboretum South)...	1964
" " .....	A. D. Stevens (Arboretum South)	1956
" " .....	J. G. Dixon (P. & G.S.V.) ...	1948
" " .....	J. H. Mateer (Arboretum South)...	1952
" " .....	†J. R. Woodhams (Tropical Pits)...	1959
" " .....	†H. J. Fliegner (Alpine & Herb.)...	1963
" " .....	R. J. Sadler (Arboretum North) ...	1951
" " .....	*†A. G. Cook (Alpine & Herb.) ...	1948
Scientific Assistant .....	J. Keesing ...	1967
" " .....	Mrs. B. Brewer ...	1968
Shorthand Typist .....	Miss A. G. Barton ...	1953
Storekeeper .....	A. H. Vane ...	1966
Bird Keeper and Pests Operator.....	H. Allen ...	1958
Seed Collector .....	J. M. Latto ...	1957
Propagators .....	F. L. Burnell ...	1946
" " .....	D. J. W. Bernard ...	1960
" " .....	Miss E. J. Bedwell ...	1968
" " .....	A. R. Bray ...	1967
" " .....	C. T. Sutcliffe ...	1964
" " .....	M. A. Jones ...	1964
Gardeners, Grade I.....	†S. W. Dyal ...	1965
" " .....	W. R. Frost ...	1966
" " .....	Mrs. E. Styles ...	1964
" " .....	Mrs. U. Summerwell ...	1965
" " .....	C. H. Bowditch ...	1958
" " .....	Mrs. D. J. P. Hills ...	1964
" " .....	Mrs. B. U. Fliegner (P/T) ...	1965
" " .....	M. Cameron ...	1958
" " .....	J. N. Slater ...	1945
" " .....	M. J. Harrington ...	1960
" " .....	A. M. Juett ...	1945
" " .....	J. F. Norris ...	1956
" " .....	E. A. Pooley ...	1935
" " .....	†Miss E. Stevens, N.D.H. ...	1965
" " .....	P. Smallcombe ...	1964
" " .....	H. Hockley ...	1942
" " .....	W. J. Holmes ...	1959
" " .....	E. A. Pawlowicz ...	1958
" " .....	P. F. Gutsell ...	1956
" " .....	†S. C. Scarr ...	1965
" " .....	C. R. Piper ...	1967
" " .....	†G. Pattison ...	1965
" " .....	A. E. Horrocks ...	1960

		<i>Entered Kew</i>
CONSTABULARY		
Sergeant in Charge .....	W. Leaver, B.E.M., I.S.M. ....	1935

### WAKEHURST STAFF (Ardingly, Sussex)

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

(W behind the year indicates direct entry to Wakehurst.)

### STUDENT GARDENERS ON A THREE-YEAR COURSE

(commenced 3rd October, 1966)

M. J. Alderson	P. A. Goodbury	J. B. Lawrence	P. C. Summerwell
A. G. Burgess	S. A. Goodyear	Miss J. Lee	P. E. Styles
A. J. G. Esmonde	C. Iles	M. R. Norton	T. M. Taylor
D. G. Evemy	P. A. Ketley	R. B. Mann	J. P. R. Wickham

(commenced 2nd October, 1967)

G. D. Armstrong	E. Fenwick	D. R. Owen	J. Tuck
C. Beardsley	D. J. Hicks	D. M. Painter	G. P. Wood
P. A. Boys	M. Holloway	J. Protheroe	
A. P. Child	R. Johnson	B. Roby	
P. F. Clothier	D. A. Norwood	T. R. B. Storr	

(commenced 7th October, 1968)

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

## ADDRESS LIST OF OLD KEWITES (October, 1968)

*(The names of Past Presidents are preceded by a dagger, Life Members by an asterisk and Active Members by a hyphen. The year of leaving Kew is indicated)*

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

- 1936 Abbing, J., Beauwea Park, P.B., Grahamstown, S.A.  
 1959 -Adams, R., 69 Selwyn Avenue, Richmond, Surrey.  
 1938 \*Addison, G. H., 45 Cavendish Place, Eastbourne, E. Sussex.  
 1957 -Addison, P., N.D.H., 14 Taunton Road, Wallasey, Cheshire.  
 1960 Adshhead, P., Hothley, Kingsgate Road, Winchester, Hants.  
 1926 Agate, C. J., 7 Beach Road, Great Neck, Long Island, N.Y., U.S.A.  
 1949 -Ainslie, E., 32 Bakewell Road, Hazel Grove, Stockport, Cheshire.  
 1939 \*Airey, J. E., Westmoor Gardens, Mansel Lacy, Hereford.  
 1945 \*Albert, Mrs. H. (Miss H. J. Stent), 65 Summet Street, Oyster Bay, Long Island, N.Y., U.S.A.  
 1918 \*Alcock, Mrs. N. L., M.B.E., F.L.S., c/o Dr. Bradley Moore, 3A Bath Road, Thatcham, Nr. Newbury, Berks.  
 1962 -Aldous, J., 504 Grace Way, Almonds Spring, Stevenage, Herts.  
 1961 Allen, B., Landscape Trees, Barkham Road, Wokingham.  
 1946 Allen, Miss B. (See Mrs. F. Christopher).  
 1948 Allen, F. H., Coombe Villa, Wootton-under-Edge, Glos.  
 1961 -Allen, J., 21 Shepherds Walk, Cove, Farnborough, Hants.  
 1930 Allison, B. W., D., Parks Dept., Salford, Lancs.  
 1956 Alphonso, A. G., B.G., Singapore, 10, SS.  
 1945 \*Ambrose, Miss R. M. (See Mrs. J. Souster).  
 1957 Amoah, G. K. A., Ministry of Works and Housing, P. & Gdns. Div., P.O. Box 43, Accra, Ghana.  
 1926 \*Anderson, A. W. C., N.D.H.(N.Z.), 224 Church Street West, Timaru, N.Z.  
 1965 -Anderson, G. H., B.E.M., 29 Glenwood, Harmans Water, Bracknell, Berks.  
 1956 Andrews, B. R., Park Dept., City Hall, Edmonton, Alberta, Canada.  
 1947 Andrews, R. H., 67 Chiltern Avenue, High Wycombe, Bucks.  
 1922 \*Andrews, W. G., 15 Lindsay Avenue, Levenshulme, Manchester, 19.  
 1968 -Annawetty, Miss L. (See Mrs. M. Nunov-Mensah).  
 1962 -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., Claythorpe 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. 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., Kerw Cottage, Calstock Road, Gunnerslake, S.E. Cornwall.  
 1954 -Attenburrow, D., c/o Fisons, Levington Research Inst., Ipswich, Suffolk.  
 1950 -Attwood, C. A., Bel-Air, Ulgham, Morpeth, Northumberland.  
 1910 \*Aubrey, A. E., 83 Newbridge Street, Wolverhampton, Staffs.  
 1939 \*Aves, J. J., D.S., P.O. Box 1454, Parks Dept., Pretoria, S.A.  
 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, 42 Montague Road, Dunedin, New Zealand.

## GENERAL INCOME AND EXPENDITURE ACCOUNT

Year 1967					Year 1968						
£	s.	d.	£	s.	d.	£	s.	d.			
			1	14	2	To Hon. Secretary's Expenses	...	...	1	18	7
			11	1	10	To Hon. Editor's Expenses	...	...	9	0	3
			10	9	7	To Hon. Treasurer's Expenses and General Postage	...	...	17	6	5
			30	8	5	To Printing, Stationery, Typing & Clerical Expenses	...	...	32	5	6
			1	6	0	To Insurance and Bank Expenses	...	...	1	6	0
			10	10	0	To Benevolent Payments and Wreaths	...	...	15	10	0
						<i>To Kew Guild Journal—</i>					
						Printing, Envelopes, Postage	...	...	359	8	5
						Less Receipts from Advertisers	...	...	—	—	—
365	12	11½									
49	0	6									
<hr/>			317	12	5½						
			7	2	6	<i>To Annual General Meeting—</i>					
			28	7	0	Printing, Envelopes, Postage	...	...	7	8	0
						<i>To Prizes Awarded by Guild, 1968</i>	...	...	40	19	0
			<hr/>								
			418	11	11½				485	2	2
			211	12	9½	Income exceeds Expenditure	...	...	248	12	0
			<hr/>								
			630	4	9				733	14	2
			<hr/>								
			£630	4	9				£733	14	2
			<hr/> <hr/>						<hr/> <hr/>		
			3,527	11	6½	BALANCE AS PER BALANCE SHEET	...	...	3,781	3	6½
			<hr/> <hr/>								
			£3,527	11	6½				£3,781	3	6½
			<hr/> <hr/>						<hr/> <hr/>		

## THE KEW GUILD BALANCE SHEET

Year 1967				LIABILITIES	Year 1968						
£	s.	d.	£	s.	d.	£	s.	d.			
			3,527	11	6½	<i>Capital Fund—</i>					
						As per statement of Assets	...	...	3,781	3	6½
						<i>Current Liabilities—</i>					
			306	0	0	263 Life Subscribers	...	...	301	0	0
			<hr/>								
			£3,833	11	6½				£4,082	3	6½
			<hr/> <hr/>						<hr/> <hr/>		

## FOR THE YEAR ENDED 31st DECEMBER, 1968

Year 1967			Year 1968	
£	s. d.		£	s. d.
	383 11 11	By Annual Subscription and Arrears...	390	6 9
		By Additional Life Subscriptions and		
	70 17 5	Donations ... ..	125	2 8
		<i>By Dividends—</i>		
		From Charities Official Investment		
	139 5 11	Fund ... ..	155	15 8
		<i>By Interest from Deposit A/c.—</i>		
	29 9 2	Barclays Bank ... ..	41	2 8
		<i>By Guild Emblem Sales—</i>		
	— — —	Receipts less Expenditures ... ..	6	2 0
		<i>By Guild Annual Tea—</i>		
	19 7 0	Receipts on Teas at 5/- per head ...	20	0 0
	19 7 0	Less Expenditure ... ..	18	0 0
	<u>186 10 8</u>			<u>2 0 0</u>
	193 11 0	<i>By Guild Dinner—</i>		
		Cost of Dinner, Gratuities, Fees, etc.	222	6 7
	7 0 4	Less Receipts from Sale of Tickets	235	11 0
				<u>13 4 5</u>
	<u>£630 4 9</u>			<u>£733 14 2</u>
3,286 18 9		BALANCE AS AT 1st JAN., 1968	3,527 11 6½	
4 0 0		Reductions of Life Subscription liability	5 0 0	
236 12 9½		Add Excess of Income over Expenditure	248 12 0	
	<u>3,257 11 6½</u>			<u>3,781 3 6½</u>
	<u>£3,527 11 6½</u>			<u>£3,781 3 6½</u>

## FOR THE YEAR ENDED 31st DECEMBER, 1968

Year 1967		ASSETS	Year 1968	
£	s. d.		£	s. d.
	2,750 0 0	<i>Invested Assets—</i>		
		Charities Official Investment Fund	2,750	0 0
	225 12 6	<i>Current Assets—</i>		
		Christmas Cards, Emblems, Journals	205	11 11
		<i>Cash—</i>		
	630 9 2	On Deposit at Barclays Bank ...	920	7 10
	204 6 2	In Current A/c., Barclays Bank ...	170	13 5
	23 3 8½	In Hand ... ..	35	10 4½
	<u>857 19 0½</u>			<u>1,126 11 7½</u>
	<u>£3,833 11 6½</u>			<u>£4,082 3 6½</u>

Audited and found correct, 9th January, 1969.

Signed H. J. FLEIGNER,  
D. R. HUNT,

*Hon. Auditors.*

## 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.
- (c) Honorary Membership may be awarded at the discretion of the Committee to a former officer (Hon. Editor, Secretary or Treasurer) who has rendered outstanding service.
- (4) Members of the Guild shall have the right to vote at meetings and to compete in competitions, and shall be eligible for election as officers of the Guild or to serve on the Committee.
- (5) Any member wishing to resign shall give notice to the Honorary Secretary or the Honorary Treasurer before the first day of December in the year of his or her intention to resign.
- (6) (a) The Committee may by resolution communicated to the member in writing and stating concisely the grounds for which it proposes to act call upon any individual to resign from the Guild and if the member does not so resign within forty-eight days after being so called upon the Committee may by resolution terminate his membership.

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

*Annual Subscriptions.*

- (7) The Annual Subscription which shall be payable on January 1st of each year shall be such a sum as the Annual General Meeting shall from time to time determine and shall entitle members to all publications of the Guild. A member whose subscription is one year in arrears shall not receive further publications until his arrears be fully paid. The annual subscription is at present £1. (Student Gardeners 10s.).
- (8) Any member whose subscriptions are fully paid may on the payment of a lump sum predetermined by the Annual General Meeting become a Life Member and be entitled to all the privileges of the Guild without further payment. A sum representing not less than one-half of each life subscription shall be invested in the name of the Trustees and the liabilities to Life Subscribers shall be clearly shown in the annual Statement of Accounts. The provisions of this Rule may be suspended by resolution of an Annual General Meeting for such period as the Annual General Meeting shall think fit.

*Management of the Guild.*

- (9) (a) The business of the Guild shall be conducted by a Committee composed of the officers and ordinary Committee members. The officers shall consist of the President, two Vice-Presidents, the immediate Past-President, the President-Elect, Honorary Secretary, Honorary 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.



Printed by H. J. Rowling & Sons Ltd. (TU)  
1-3 Haydons Road, Wimbledon  
London, S.W.19