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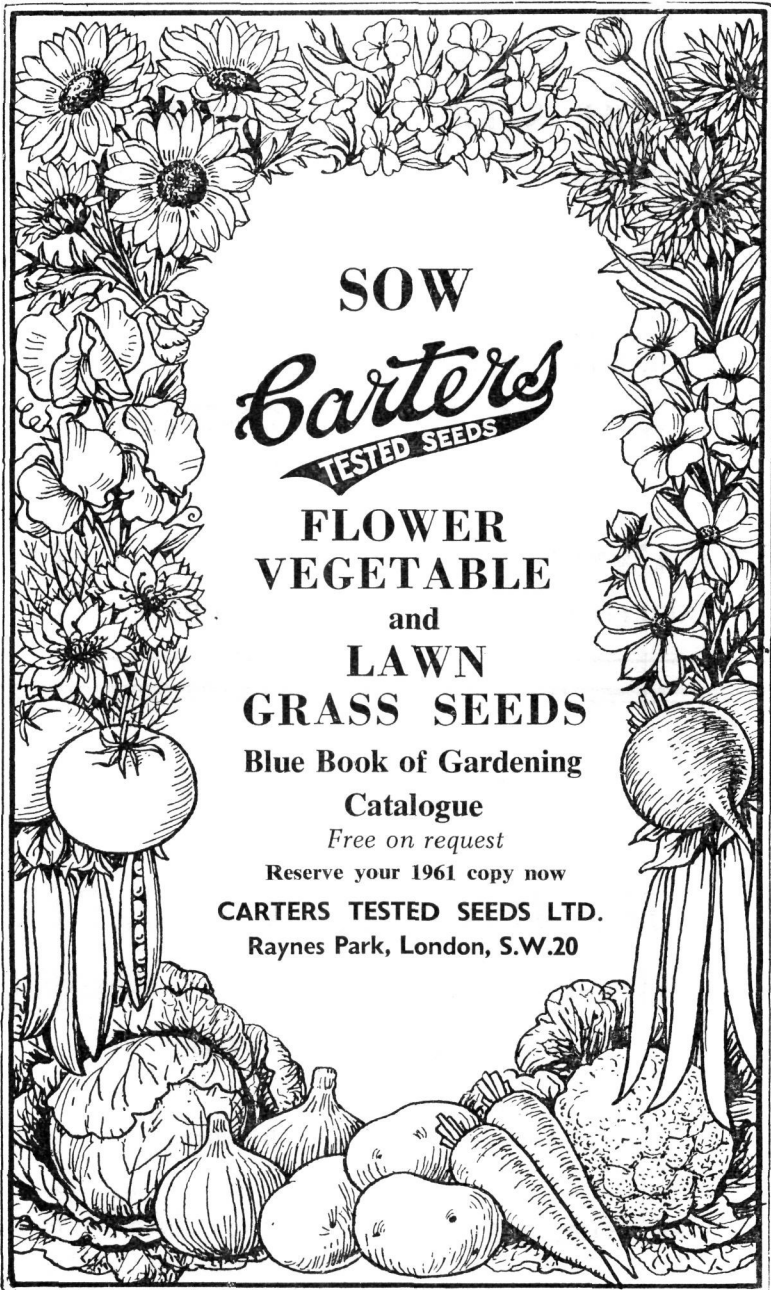
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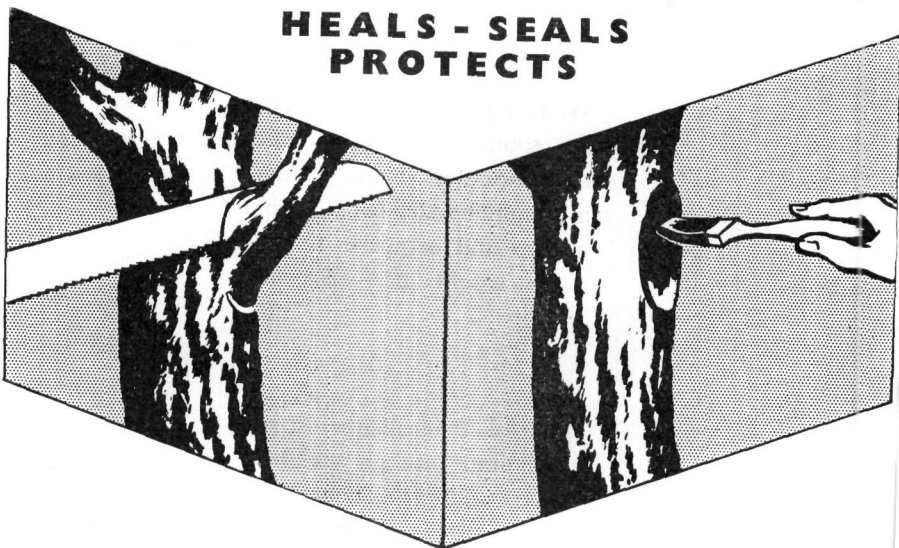
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THE
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 OF THE
KEW GUILD

AN ASSOCIATION OF
 MEMBERS OF THE KEW STAFF
 PAST AND PRESENT

1959

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EDITORIAL

We present the 1959 issue of the *Kew Guild Journal*.

The main purpose of this publication is to record the activities of the hundreds of widely dispersed Guild members in an effort to keep them together and in touch with each other.

Kew is naturally regarded as the headquarters of the Guild. Our members will, therefore, be interested in the account in this number of the visit by Her Majesty The Queen and His Royal Highness The Duke of Edinburgh to Kew on the second of June, 1959, when they led the celebrations held in commemoration of the Bicentenary of the Royal Botanic Gardens.

Kewites, "old and present," are justly proud of their association with the Gardens. The widespread and deep interest shown by the public in the bicentenary celebrations speaks very highly of Kew's prestige, both over the years and at the present time. The collections of living plants and specimens remain unparalleled. As Guild members we are also proud of the large number of Kewites both at home and abroad who occupy important positions in the horticultural and botanical spheres. This last point alone provides adequate proof of the dominant position of Kew and Kew men.

However such thoughts are sobered by the passing during the past year of William Dallimore, upon whose suggestion the Kew Guild originated, of two of the first Lady Gardeners at Kew—Gertrude Cope and Eleanor Morland, and of other well known and well loved Kewites.

The events of the past year leave us in a thoughtful mood and we may regard this year as one which marks an important milestone in the history of the Guild.

From this vantage point we may first pause to look back over the years to 1892 when the Guild was founded. Then as now the spade was a spade, but insecticides were few and "simple," whilst mechanisation in the present advanced stage was not even dreamed of. Yet, as rapid and extensive as these changes have been, we may follow the careers of many members up through the years until the present, where we may still find them at the head of their specialities, completely up-to-date with modern techniques and knowledge.

Again, as we look back, we find that some are among us who left Kew to become pioneers in every sense of the word. A number left the serenity of the tropical houses to be faced with the task of carving out a portion of virgin forest on which they were to form a botanic garden, a plantation or a research establishment. With the natives as labour they speedily became leaders, diplomats, white medicine men, botanists—and gardeners combined.

Surely a characteristic of these and other "pioneer" Kewites, in addition to those of more recent "vintage", has been their adaptability, coupled with their appreciation of the requirements

of the profession as demanded by the circumstances which prevailed in any given period. This should be remembered by all who train future Kewites. The future of the Guild at its present high status is entirely dependent upon the success of its members in every generation. An active recognition of this conclusion is all that is needed, for there is much truth in Burke's writing: "You can never plan the future by the past." As we leave this important milestone we turn to face a growing challenge—the available posts are many and the scope is wide, but the competition is much keener. The young Kewite must meet this competition on both fronts, in the practical field and in the national examinations. If this is done and if Kewites who are in a responsible position demand a high standard from those they employ, then the future of the Guild for many years to come will be assured. Kewites must continue to prove themselves the best.

KEW GUILD JOURNAL 1909—50 YEARS AGO

Sweeping changes had been proposed within the Guild (*Journal* for 1908, p. 410, "The Forward Movement"), and as a result some prominent members of the Committee resigned. These members were Messrs. W. Dallimore, H. Spooner, W. Hales, W. N. Winn (Secretary), and H. H. Thomas (Treasurer).

At the Annual General Meeting in May, 1909, Mr. Watson presided. He stated that it was unfortunate that so many members of the Committee had resigned, and there being no Committee to make recommendations he proposed Messrs. Raffill, Hutchinson, Cole and Mayhew as successors.

Another Committee member, Mr. R. A. Rolfe, explained his position on the Committee—because of defective hearing he did not quite catch all that was going on at the Committee meeting, if he had he would also have resigned.

Mr. E. H. Wilson (who had not long returned from one of his many trips to Western China), stated that he had been out of the world for the past 2½ years and would like to know what the new policy was—he had asked several, but no one could tell him. Later Mr. Wilson saved a lot of ill-feeling by proposing that the old Committee be asked to continue office.

THE CRICKET CLUB.

The Captain for 1909 was Mr. A. Osborne.

Part of the 1909 report as published in the *Journal*—"The need of a ground is still a great drawback to any kind of sport at Kew, an item that needs some explanation. Fancy a Government Department 290 acres in extent, with over 200 employees and such poor facilities for recreation! Surely the President of the Board of Trade is not aware of such a state of affairs. Probably an appeal for a small holding would have a desired effect. We must only hope that ere long this Kew grievance will be remedied, and that the R.G.K.C.C. will be the proud possessors of a ground where many notable victories may be won."

G. C. JOHNSON.

President 1959/60

Our President was born on the 6th January, 1889, at Oldland in Gloucestershire, and moved with his parents to Somerset a few weeks later. He left school in 1902 and worked under his father as garden boy at the home of the late Mrs. C. W. Daubery, The Brow, Combe Down, Bath. Later he moved to the garden of R. Kensley, Esq., Bathwick Priory, Bath, before taking a position in 1905 as journeyman to the Marquis of Bath at Longleat, Warminster. There followed a period as inside fruit journeyman at Dover House, Roehampton, which was then under the ownership of J. Pierpont Morgan, Esq.

Our President entered Kew as a student gardener in 1912 and started work in the Melon Yard under Mr. J. Coutts. The subforeman was Mr. F. M. Biggs, an old colleague of the bothy days at Longleat. Eight months later our President took over from Biggs when he left Kew.

In 1914 Mr. Johnson accepted an appointment as Sub-Inspector of the Board of Agriculture for work under the D.I. and Pests Acts. Enlistment with the Forces followed in 1915 when he joined the 2nd Battalion, London Regiment, Civil Service Rifles. Our President served in France, Salonika, Palestine and later again, in France.

A few months after demobilisation in January, 1919, Johnson was appointed Assistant Instructor under the Ministry of Pensions at Wrexham, where training was given to disabled service men at Bryn Acton Hall. Thus commenced a long and distinguished service in horticultural education. In January, 1921, Mr. Johnson was appointed Assistant Instructor to the University of Leeds under another Old Kewite, Mr. A. S. Galt, where he gained further valuable experience for his next appointment in 1928, as Horticultural Officer for Sussex.

During his service in Sussex, from 1928 to 1946, many changes took place in Horticultural Education. In the early days the work consisted mainly of lectures to horticultural students at Plumpton Farm Institute, the main centre for all the educational work of the County Agricultural Committee. A horticultural section was laid out at Plumpton in 1929. In addition to teaching students, great efforts were made, in the interests of commercial growers, to improve a strain of Royal Sovereign Strawberries and in conjunction with East Malling Research Station, to produce mosaic-free Lloyd George Raspberry canes. Important work was also carried out on glasshouse crops.

By his teachings to students, growers, gardeners and allotment holders, our President's fame spread throughout the county and beyond. Mr. Johnson, being a practical man, soon won the confidence and respect of the commercial growers. When, on the outbreak of the Second World War, he was seconded from the County Council to the Ministry of Agriculture as County Horti-

cultural Officer for Sussex under the War Agricultural Executive Committee, the wisdom of the choice was obvious to all. Food production was an important part of the work and our President was able to draw upon his vast knowledge and experience of commercial horticulture within the county and thus to employ his office to the full and to the benefit of the country as a whole.

At the end of the war the National Agricultural Advisory Service was formed and our President was appointed as Deputy Provincial Director in the Eastern Province. Men of Johnson's calibre were vital to the success of this service and such an appointment was nothing short of a general acceptance of the fact that our President was regarded as one of the leading authorities on commercial crop production in the country. He was awarded the O.B.E. in 1954. He was for the last year of his service with the Ministry Provincial Director. Johnson retired from the N.A.A.S. in September, 1954, and has since been Advisory Editor of *The Grower*—again, a measure of the high esteem in which he is held in the horticultural world.

Our President may rightly be regarded as one of the fathers of Horticultural Education. As early as 1930 he was elected Secretary of the Horticultural Education Association and he served as such for 16 years. He was elected President of this Association in 1950. For many years horticultural examination work has occupied much of Mr. Johnson's time. He has taken part in all the examinations organised by the Royal Horticultural Society and, in addition, has assisted in the degree examinations of the London and Nottingham Universities. Again in this field he commands the respect of students and examiners alike.

Of our first President, George Nicholson, it was recorded that he was "a man of science and a gardener." Surely of G. C. Johnson it may be recorded that he is "a practical man who has successfully applied the findings of science to his craft"—a wise man and a rare achievement.

THE TEMPO OF THE TIMES

Gardeners are renowned for their adaptability but what will be their reactions to this scientific discovery by Singh & Parrish? After daily excitation for a period of 25 minutes during 8 weeks, by playing the tune of Kharaharapriya raga on a Veena (a string instrument) at a pitch of 4.5 in. in a closed room with normal light and ventilation, they reported improvement in the growth of *Impatiens balsamina* has been noted to the extent of 20% over the control.

The plants have refused to be wooed into earlier flowering even by this exotic music.

J. HUTCHINSON, LL.D., F.R.S., V.M.H., F.L.S.

Vice-President 1959/61

John Hutchinson was born at Blindburn Cottage, Wark-on-Tyne, Northumberland. His father was head gardener to Major General Allgood, Blindburn Hall. After leaving school at the age of 16 John worked for a year under his rather indulgent father, as fathers are apt to be. After a year at Callerton Hall, near Ponteland, he worked for two years at Axwell Park, Blaydon-on-Tyne, under a strict disciplinarian. Whilst there he was able to attend evening classes in botany and drawing at Newcastle.

He entered Kew in April, 1904, and had the good fortune to be placed in the Arboretum under Mr. W. Dallimore. After eleven months Mr. W. Watson, Curator at that time, recommended him for a post of temporary assistant in the Herbarium, where for several years he was personal assistant to Dr. Otto Stapf, whom he remembers with deep affection and gratitude. After his marriage in 1910 he still continued to further his education by means of evening classes in London.

In due time Hutchinson was appointed Assistant for India and then for Africa, in order to work on the *Floras of Tropical Africa and Capensis*, which were then approaching completion. For these he prepared most of the difficult family *Euphorbiaceae*, and the genus *Ficus*. About that time he became an authority on the genus *Rhododendron* and was an honorary member of the Rhododendron Society.

After the first world war he commenced writing a *Flora of West Tropical Africa*, assisted by Dr. J. M. Dalziel, and with drawings by W. Trevithick. This was completed in 1936, and in the meantime he had spent nine months collecting in South Africa (1928-9), and the following year was invited by the late Field Marshal Smuts to accompany him on a botanical expedition to Northern Rhodesia. The results of these two journeys were published in his *Botanist in Southern Africa*, with a foreword by Smuts, and with many of his own black and white drawings.

In 1936 Hutchinson succeeded Dallimore as Keeper of Museums, and retired in 1948 to live in a bungalow of his own creation at Lightwater, near Bagshot. His published books include four volumes of wild flowers in the Penguin series containing over eight hundred of his own drawings, mostly prepared whilst roaming the country with his wife in a caravan; *The Story of Plants* (with R. Melville), *British Flowering Plants, Wild Flowers in Colour*, and most important of all *The Families of Flowering Plants*, a second edition of which was published by the Clarendon Press, Oxford, in 1959, containing his new classification of plant families.

Before and since his retirement Hutchinson has worked assiduously on a revision of Bentham & Hooker's *Genera Plantarum*, which is now well advanced and the first volume may soon be published. By this means he hopes to re-establish the

classical work of these great Kew botanists for the use of taxonomists the world over.

In recognition of his botanical work an honorary degree of Doctor of Laws was conferred on him by the University of St. Andrews in 1934. In addition he is a Corresponding Member of the Academy of Science, Philadelphia, a foreign member of the Botanical Society of America, an honorary member of the Botanical Society of Edinburgh, and a V.M.H. In 1958 he was one of twenty world botanists and zoologists to receive a Darwin-Wallace medal in recognition of his work on the evolution and classification of flowering plants. Endowed with sound health and enthusiasm for his botanical work, Hutchinson continues to visit the Kew Herbarium most days of the week, and occasionally slips off to a football match, especially when Newcastle United come to town.

ANNUAL GENERAL MEETING, 1959.

The Annual General Meeting of the Kew Guild was held in the Iron Room at 3 p.m. on Saturday, August 29th, 1959. The President, Major F. Flippance, presided over an attendance of 38 members. The Secretary read the Minutes of the last Annual General Meeting which were approved. Arising from the Minutes the Secretary reported that the Committee having given consideration to the proposed financial alterations debated at the 1958 meeting, decided to recommend that no change should be made in the present procedure.

The President then reported that since the previous meeting 13 Old Kewites had passed on and asked members to stand in silence in their memory.

The adoption of the Committee Report was moved by Mr. G. Johnson and seconded by Mr. A. Brooks. This was carried unanimously.

The election of Officers then took place and the President proposed the election of Mr. G. Johnson as President for the year 1959-60. He referred to the excellent work carried out by Mr. Johnson since leaving Kew, full details of which had been published in the *Guild Journal* of 1957. Mr. Sargent seconded the proposal and on this being put to the meeting all were in favour. Mr. Johnson thanked members for the great honour they had conferred upon him.

The election of Vice-President then took place, Mr. Milne-Redhead proposing the name of Dr. J. Hutchinson, who had brought great honour to Kew and to himself. Seconded by Mr. Prockter the proposal was carried unanimously. The names of Messrs. A. J. Brooks, F. G. Harcourt, S. Rawlings and T. R. N. Lothian of Australia were submitted by the Committee to fill the four vacancies occasioned by retirement in accordance with the rules. On the proposal of Mr. Joy, seconded by Mr. Freeman, the Committee's nominations were approved. The Hon. Secretary, Hon. Treasurer and Hon. Editor were again re-elected. It was

reported that as the Student Gardeners' Association have not held their Annual General Meeting, the names of their representatives would have to be submitted later. The proposal that Mr. V. S. Summerhayes be invited to act as Auditor during the coming year was carried unanimously.

The balance sheet for 1958-59 which was to be found in the *Journal*, and which had been circulated to all members was adopted on the motion of Mr. Johnson, seconded by Mr. Woodward. The Treasurer then reported on the Financial Statement for the year and stated that on the whole the annual subscriptions were coming in better than in the past and that by personal notes to members he was being successful in obtaining a great number of subscriptions and arrears. He referred to the number of years that he had held the Treasurer's position and felt that the time had come for a younger man to relieve him of these onerous duties. After some discussion Mr. Preston moved the adoption of the Report and it was agreed.

The Hon. Editor, Mr. Brown, in reference to the *Journal*, thanked members for their vote of confidence in re-electing him again. He referred to the steps taken by the Committee to ensure that the Bicentenary publication was a very full one and appealed to members to help make the "Notes and Gleanings" items more fully comprehensive.

Mr. Stenning regretted that it was not possible to present to the meeting samples of the proposed Christmas card for 1959. The sub-committee had decided upon a photograph of the Palm House, and it was hoped to have these prepared in the near future. Mr. G. Johnson suggested that notices should be sent out to members informing them when the cards are available and the cost of same, and it was decided that this should be done. Mr. Joy proposed that members be invited to make permanent bookings for an allotment of Christmas cards. It was agreed to leave the matter in the hands of the Committee.

Under any other business Mr. Milne-Redhead reported on the proposals for the new training course for students. This aimed at bringing the Kew training second to none in the country and this statement was received with acclamation from all. In ending the meeting, the President thanked all members for their support throughout the year and referred to the very great pleasure which it had given him. He wished the Guild all success in the future. Mr. Prockter then proposed the vote of thanks to the President for the excellent manner in which he had presided over the deliberations during his year of office.

The Meeting closed at 3.55 p.m.

* * *

Britain spends eleven shillings a week per head of the population on defence, but less than one penny a year on national parks.—Report of the National Parks Commission, published December, 1959.

ANNUAL DINNER, 1959.

The Annual Dinner took place at The Windsor Castle, London, on Wednesday, May 27th, when over 140 members and guests sat down under the Chairmanship of the President, Major F. Flippance, F.L.S. With the dinner completed, the President proposed the toast of Her Majesty the Queen. Later Mr. F. G. Harcourt gave the toast of the President, and in his remarks stated that he had known him for many years and had always held him in high esteem. He referred to the President's athletic prowess and spoke about his training as a student and subsequently his transference to the Herbarium, from which place he left to serve in France. He gave some details of Mr. Flippance's work at Singapore and Penang and also referred to the very unhappy period when the President was a prisoner of war in Japanese hands. In his closing remarks he mentioned that the President had always been a very strong supporter of the Kew Guild, and he contended was an excellent example for young Kewites to follow. After the President's expression of thanks, the Hon. Lewis Palmer proposed the toast of the Royal Botanic Gardens, Kew. He referred to the early history of Kew and the fact that in 1759 Princess Augusta had then decided to make a collection of plants, and from this nucleus had developed the wonderful establishment now called the Royal Botanic Gardens, Kew, which was acknowledged by all as the finest Botanic Gardens throughout the world. In this bicentenary year he spoke of the various celebrations which were to be held at Kew, and also paid a tribute to the splendid exhibit Kew had staged at Chelsea. Humorously he described the cross which he felt had been made at Kew between the true species of Botanist and Gardener, which had resulted in a very fine race of hybrids known as the Kew men. Both species have in common the love of plants, but whereas the gardener likes his plants alive, the botanist distinctly prefers his plants dead and mounted on sheets of paper, where he can write enumerable names. In fact life would be very dull for him if a plant did not change its name every five years. Kewites formed a freemasonry of their own, and throughout the world seemed to be part of the local flora and were kindred spirits ever willing to help.

In responding to the toast Dr. G. Taylor thanked Mr. Palmer for so ably proposing the toast of the Royal Botanic Gardens, and told the company what a good friend Mr. Palmer was to Kew and how he had served as a member of the Ashby Group who were responsible for special recommendations concerning the future scientific programme for Kew. This will mark a new epoch in the history of the Gardens, and a milestone for the years ahead.

The prizes were then presented on behalf of the Mutual Improvement Society, the Botany Club and the Tennis Club.

The President then proposed the toast to the Kew Guild. He spoke of the inauguration of the Guild in 1892 and of the publication of the first *Kew Guild Journal* in 1894. The Guild

had prospered and in the recent list of Old Kewites some 962 names appeared. He urged young students to work hard and to take every advantage of the facilities offered so that in this way they could win their spurs and possibly find a Field Marshal's baton in their vasculum.

Finally Mr. C. R. Stock proposed the toast of our Guests. In view of the lateness of the hour he said that his comments must be brief, but he paid tributes to the Hon. Lewis Palmer, to Mr. R. Jackman, who he said was the fourth generation of this illustrious firm, to Mr. W. G. MacKenzie from over the border, Curator of Chelsea Physic Garden, and finally to Mr. D. E. Green of the R.H.S. Gardens, Wisley, who for a number of years has lectured so successfully to the students at Kew. He said that he had known Mr. Green for many years and had appreciated his keen sense of humour. In fact Mr. Green had told him that evening that he was a collector of modern coins. In response, Mr. Green thanked the Guild for the kind hospitality extended to their Guests. He spoke of the feeling of tranquility and calm which were always his impressions of Kew! He was second to none in his admirations of the achievements of Kew, and wished the Gardens and Staff good fortune in the future.

Before the close Mr. Pring, of Missouri Botanic Gardens, said a few words and the Secretary referred to those members who were present that night from overseas. The assembly broke up at about 10.45 p.m. with happy memories of yet another successful Kew Dinner.

NEW ZEALAND BRANCH, KEW GUILD.

An opportunity was taken last February, when the Royal New Zealand Institute of Horticulture and Institute of Parks Administration held their annual conferences in Timaru, to hold a Kew Dinner. Eight ex-students were able to attend with their wives, and after the various toasts, a pleasant time was spent reminiscing and renewing friendships.

A Dinner is already being arranged for 1960. This will be held during February in Rotorua, which is the venue of next year's horticultural conferences.

It is to be hoped that this Branch of the Guild will be more active in the future, and forward notes and items of news to the *Kew Guild Journal*.

D. C. MACKENZIE, *Hon. Secretary.*

* * *

Nine ex-Kew students are attending the 1959 course at the Park Administration School at The Grotto, Lower Basildon, Reading. They are: Messrs. C. Rattenbury (1951), F. North (1948,) R. Adams (1959), B. Carter (1959), R. Kerr (1959), D. Tomlinson (1959), A. Hart (1958), M. Collett (1958) and J. D. Mason (1959). We wish them success in their studies.

THE ASSOCIATION OF KEW GARDENERS
IN AMERICA, INC.

The Annual Dinner and Reunion of Old Kewites in America was held on Wednesday evening, March 11th, 1959, at Whytes Restaurant in New York, during the week of the International Flower Show.

Members and their wives gathered early so as to have time to renew old friendships and acquaintances. After a leisurely dinner, Mr. Henry Downer, in his usual jovial way, greeted the members and their wives and our guest of the evening, Mr. Donald Richardson, the well-known orchid grower. Mr. Richardson expressed his pleasure at being with us and recalled some happy memories of his student days at Edinburgh Botanic Garden.

It was indeed a happy occasion to welcome Mr. and Mrs. A. E. Brown of Toronto, Canada. Mr. Brown had been looking forward for years to making the trip, and finally found the opportune time. He told us of his work with the Sherman Nurseries and reminisced about Kew and his Old Kewite friends.

Two members we have missed for a few years turned up by surprise just before dinner—Mr. A. J. Jennings, of Summit, New Jersey and Mr. J. C. Vallance, of Rockville, Maryland. Mr. Jennings is now enjoying more free time since retiring from the nursery business. He recalled several interesting and amusing stories of events at Kew during his years there. Mr. Vallance informed us of the busy life he is leading as superintendent of a modern cemetery.

The Secretary reported on the number of letters and notes received from members in Canada and across the United States. Many regretted they were unable to be with us because of health, business and distance. Mr. Wilfred Newell, of Madison, Wisconsin, who left Kew in 1907, wrote how much he enjoys the *Kew Guild Journal* especially since he is so far from other Kewites.

A moment of silence was observed in memory of Messrs. R. Barton, F. Flossfeder, C. Van Der Vost and A. Keys, who departed this life since our last reunion.

Those present were : Mr. and Mrs. J. H. Beale, Mr. and Mrs. A. E. Brown, Mr. and Mrs. S. G. Cutting, Mr. and Mrs. H. E. Downer, Mr. and Mrs. G. W. Ford, Mr. and Mrs. M. Free, Mr. W. Ing, Mr. A. J. Jennings, Mr. and Mrs. J. Rearden, Mr. and Mrs. H. W. Swift and Mr. J. C. Vallance.

STEPHEN G. CUTTING, *Secretary-Treasurer.*

* * *

UNITED SOVIET STATES OF RUSSIA.

A small party of Russian biologists, returning from Ghana, spent an hour in the Herbarium and Gardens on 15th April, 1959. They included Dr. P. Lapin, Assistant Director, and Mr. S. Korovin, a member of the staff of Moscow Botanic Garden, and Dr. A. I. Tolmacev of the Leningrad Herbarium.

KEW GUILD GENERAL ACCOUNT, 1959

RECEIPTS			EXPENDITURE		
	£	s. d.		£	s. d.
Balance from 1958 a/c ...	264	3 7	Printing the 1958 Journal, 1,000 copies, including Blocks and 1,000 Manilla Envelopes ...	266	12 6
Annual subscriptions and arrears...	119	2 10	100 Circular Letters ...	1	5 0
Donations ...	5	1 0	Half-Tone Blocks ...	7	10 0
Advertisements in 1958 Journal ...	106	2 0	Richmond & Twickenham Times— 3 prints of Royal Visit to Kew	1	8 0
Dividends—£26 6s. 3d. 3½% War Stock ...	18	4	Central Press Photos Ltd.— 5 prints of Royal Visit to Kew including permission to reproduce in Journal ...	4	10 0
Dividends—£500 3% War Savings— —Sir A. W. Hill's bequest ...	15	0 0	Engraving Tennis Cups ...	10	6
Dividends—£295 3% Savings Bonds (Jubilee Fund) ...	8	17 0	Insurance Premium on Tennis Cups	7	6
Dividends—£220 3½% Defence Bonds (Jubilee Fund) ...	7	7 0	Hon. Editor's and Hon. Treasurer's Postages, including overseas Journals, etc. ...	8	13 10
Dividends—£395 4½% Defence Bonds (Jubilee Fund) ...	18	3 6	Deficit on Kew Guild Dinner ...	16	0
Dividends—£50 5% Defence Bonds (Jubilee Fund) ...	1	4 9	Balance in Post Office Savings Bank	283	18 2
Dividends on £220 4½% Defence Bonds— W. H. Judd's bequest ...	9	18 0			
Balance from Tea ...	1	19 8			
Balance from Christmas Cards ...	11	13 1			
Interest in Post Office Savings Bank	6	0 9			
	<u>£575</u>	<u>11 6</u>		<u>£575</u>	<u>11 6</u>

KEW GUILD CAPITAL ACCOUNT

LIABILITIES			ASSETS		
	£	s. d.		£	s. d.
Life Subscribers—			£300 Barclays Bank Ltd. ...	300	0 0
148 at £1 at half rate ...	74	0 0	£26 6s. 3d. 3½% War Stock ...	26	6 3
212 at £2 at half rate ...	212	0 0	£500 3% War Savings— Sir A. W. Hill's bequest ...	500	0 0
109 at £3 3s. at half rate ...	343	7 0	£200 4½% Defence Bonds— W. H. Judd's bequest ...	200	0 0
5 at £5 5s. ...	26	5 0	Valuation of Journals in Stock ...	158	15 0
Assets exceed Liabilities ...	813	7 5	Balance in Post Office Savings Bank	283	18 2
	<u>£1,468</u>	<u>19 5</u>		<u>£1,468</u>	<u>19 5</u>

WATSON MEMORIAL EDUCATIONAL FUND, 1959

RECEIPTS			EXPENDITURE		
	£	s. d.		£	s. d.
Balance from 1958 a/c ...	151	9 8	Nil		
Dividends on £100 3½% War Stock	3	10 0	Balance in Post Office Savings Bank	158	15 8
Interest on Post Office Savings Bank	3	16 0			
	<u>£158</u>	<u>15 8</u>		<u>£158</u>	<u>15 8</u>

(Assets—£100 3½% War Stock and Balance in Bank, £158 15s. 8d.)

MATILDA SMITH MEMORIAL PRIZE FUND

RECEIPTS			EXPENDITURE		
	£	s. d.		£	s. d.
Balance from 1958 a/c ...	33	8 9	Prize awarded to R. T. Kerr ...	2	2 0
Dividends on £50 3% Savings Bonds	1	10 0	Balance in Post Office Savings Bank	33	13 2
Interest on Post Office Savings Bank	16	5			
	<u>£35</u>	<u>15 2</u>		<u>£35</u>	<u>15 2</u>

(Assets—£50 3% Savings Bonds and Balance in Bank, £33 13s. 2d.)

DÜMMER MEMORIAL PRIZE FUND

RECEIPTS			EXPENDITURE		
	£	s. d.		£	s. d.
Balance from 1958 a/c ...	53	18 3	Prize awarded to B. Carter ...	3	3 0
Dividends on £70 4% Funding Loan	2	16 0	Balance in Post Office Savings Bank	54	17 7
Interest on Post Office Savings Bank	1	6 4			
	<u>£58</u>	<u>0 7</u>		<u>£58</u>	<u>0 7</u>

(Assets—£70 4% Funding Loan and Balance in Bank, £54 17s. 7d.)

THE PROUDLOCK PRIZE FUND

RECEIPTS		£	s.	d.	EXPENDITURE		£	s.	d.
Balance from 1958 a/c	...	6	6	3	Prize awarded to C. I. McDowell	1	1	0	
Dividends on £25 4% Funding Loan	...	1	0	0	Balance in Post Office Savings Bank	6	8	1	
Interest on Post Office Savings Bank	...		2	10					
		<u>£7</u>	<u>9</u>	<u>1</u>			<u>£7</u>	<u>9</u>	<u>1</u>

(Assets—£25 4% Funding Loan and Balance in Bank, £6 8s. 1d.)

THE BENEVOLENT FUND, 1959

RECEIPTS		£	s.	d.	EXPENDITURE		£	s.	d.
Balance from 1958 a/c	...	124	6	3	Donation of £10 10s. to an Old Kewite	10	10	0	
Donations	...				The Royal Gardeners Orphan Fund	5	5	0	
Interest on Post Office Savings Bank	...	3	0	9	Balance in Post Office Savings Bank	111	12	0	
		<u>£127</u>	<u>7</u>	<u>0</u>			<u>£127</u>	<u>7</u>	<u>0</u>

KEW GUILD WAR MEMORIAL FUND

RECEIPTS		£	s.	d.	EXPENDITURE		£	s.	d.
Balance from 1958 a/c	...	18	4	6	Nil				
Interest on Post Office Savings Bank	...		9	0	Balance in Post Office Savings Bank	£18	13	6	
		<u>£18</u>	<u>13</u>	<u>6</u>					

KEW GUILD DINNER, MAY, 1959

Held at the "Windsor Castle," Victoria

RECEIPTS		£	s.	d.	EXPENDITURE		£	s.	d.
Sale of Tickets—					141 Dinners at 15/6 each	109	5	6	
111 at 18s.	...	99	18	0	10% Service Charge	10	18	6	
25 Students at 16/6d.	...	21	9	0	200 Tickets and Menu Cards	2	10	0	
4 Guests	...				Commissionaire	1	5	0	
2 Donations at 18s.	...	1	16	0					
Deficit	...		16	0					
		<u>£123</u>	<u>19</u>	<u>0</u>			<u>£123</u>	<u>19</u>	<u>0</u>

KEW GUILD TEA, AUGUST, 1959. Held at Kew

RECEIPTS		£	s.	d.	EXPENDITURE		£	s.	d.
61 Members paid 3/6 each for Tea	...	10	13	6	To Messrs. John Gardner (London) Ltd.—				
2 Donations at 3/6 each + 2/2	...		9	2	61 Teas at 3s. each	9	3	0	
		<u>£11</u>	<u>2</u>	<u>8</u>	Balance	1	19	8	
							<u>£11</u>	<u>2</u>	<u>8</u>

KEW GUILD JUBILEE PERMANENT SECURITY FUND

RECEIPTS		£	s.	d.	EXPENDITURE		£	s.	d.
Carried forward from 1958 a/c	...	950	1	5	3% Savings Bonds	295	0	0	
Donations from 83 Members received and gratefully acknowledged	...	60	18	0	3½% Defence Bonds	220	0	0	
					4½% Defence Bonds	395	0	0	
					5% Defence Bonds	110	0	0	
					Cash in Hand	19	5		
		<u>£1,020</u>	<u>19</u>	<u>5</u>			<u>£1,020</u>	<u>19</u>	<u>5</u>

CHRISTMAS CARDS, SALES FOR 1959

RECEIPTS		£	s.	d.	EXPENDITURE		£	s.	d.
1,734 Cards at 5d. each	...	36	2	6	2,000 Cards Envelopes and Half-Tone Block, including Purchase				
650 Cards at 4d. each	...	10	16	8	Tax	23	13	1	
					Students and Improvers Social Association	11	13	0	
					Balance	11	13	1	
		<u>£46</u>	<u>19</u>	<u>2</u>			<u>£46</u>	<u>19</u>	<u>2</u>

Audited and found correct—

J. E. S. SOUSTER V. S. SUMMERHAYES *Hon. Auditors.*

KEW BOTANY CLUB 1958-59.

The Winter Lectures began with a talk on "British Orchids" by the late Mr. R. A. H. Graham, who illustrated it with many of his own Herbarium sheets as well as slides. Dr. W. B. Turrill introduced "Marsh and Aquatic Plants" describing their structure and the formation of their habitats. In January a record attendance welcomed Mr. J. Souster's talk on "The Identification of Coniferae." Members were provided with a large quantity of specimens which aided the comparison of similar species. "Alien Plants in the British Flora" was the title Mr. J. P. M. Brenan chose for his talk, in which he dealt with denizens, colonists, established aliens and casuals giving interesting examples. In March "A Survey of British Flora" by Mr. A. Cook ended this series of interesting talks.

Five members submitted British Flora collections of a very high standard and the judges awarded the 1958 Dümmer Memorial Prize to B. Carter and the Proudlock Jubilee Prize to C. I. McDowell.

At the A.G.M. held on 13th April, 1959, with Mr. F. N. Hepper presiding, C. I. McDowell was elected Hon Secretary, with T. Deans, A. Hitchcock and D. Gilkison as members of the Committee.

The Summer Season, being very dry, made the collection of good specimens difficult. Box Hill, Boston Manor, Chorley Wood, Chobham Common and Queen's Cottage Grounds were among places visited in glorious weather. For the very popular Orchid trip to the beautiful Sittingbourne area a small coach was hired. Mr. N. H. Batt and Mr. W. Burley were kind enough to be our leaders once again, and everyone enjoyed finding, photographing and collecting plants in beautiful sunshine. Another day trip was led by Mr. R. D. Meikle to the cliffs and shore near Cuckmere Haven, which is a new place for the Club to visit and most interesting too. The Annual Outing was on July 1st to Wicken Fen. We were welcomed to Cambridgeshire by Dr. F. Perring who then conducted us to the Old West River, one of the original drainage channels and then round the Fen.

There were five entries for the British Flora collection competition in 1959. The Dümmer Memorial Prize was awarded to T. Deans and the Proudlock Jubilee Prize to L. Foote.

C. I. McDOWELL, *Hon. Secretary.*

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NEWS FROM GHANA.

Mr. G. K. A. Amoah (1947) has now taken charge of the Government's horticultural works in Ashanti. In addition to advisory work with the local councils his responsibilities include the supervision of a 3½ acre nursery in Cadbury Hall, Kumasi—filled with "a lot of interesting plants."

MUTUAL IMPROVEMENT SOCIETY

The Annual General Meeting was held on September 7th, 1959. Mr. Pearce was in the Chair. The following officers were elected for the year 1959/60 :—Chairman, Mr. W. M. Campbell ; Vice-Chairman, Mr. J. Souster ; Hon. Secretary, Mr. A. Pierce ; Hon. Assistant Secretary, Mr. P. Barnes ; Hon. Treasurer, Mr. J. Souster ; Committee Members, Miss R. Caton and Mr. D. Low.

During the season 1958/59, nineteen members gave full papers and two gave lecturettes. The number of full lectures had increased by two when compared with the programme for the previous season. The average attendance was 38. During the summer well supported visits were made to the Saville Gardens, The Great Park, Windsor ; Leonardslee Gardens, Horsham ; Brighton Corporation Parks Dept. ; Messrs. Waterer Sons & Crisp, Twyford, Berks. ; and Messrs. T. Rochford & Sons, Broxbourne, Herts.

The prizes for the Society's activities were awarded as follows :—

The Hooker Prize (given annually by the Director and awarded to the member who is considered to have done most to help the Society)—Mr. R. Coghlan.

The C. P. Raffill Prize (given annually by the Curator and awarded to the best paper given during the session by an eligible member)—Mr. D. Tomlinson.

The Society's Prize (raised by the subscriptions of members and awarded to the members who have taken the most active part in the discussions and debates)—Mr. T. Wood.

The Society is indebted to Mr. Campbell and to Mr. Souster for their help during the season.

R. COGLAN, *Hon. Secretary*, 1958/59.

SYLLABUS—OCTOBER, 1958 – APRIL, 1959.

1958

Oct.	6	The work of the Jodrell Laboratory ...	Dr. C. R. Metcalfe
"	13	The Genera <i>Lilium</i> , <i>Cardiocrinum</i> and their cultivation	Mr. A. Williams
"	20	Horticulture Past and Present in Israel	Mr. D. Storer
"	27	The Art of Public Speaking	Mr. E. W. Macdonald
Nov.	3	Lecturettes—Messrs. C. Binham and D. Gilkison	
"	10	Cultivation of <i>Gloxinias</i>	Mr. W. Dunnenberger
"	17	Internal Debate—Miss E. Parkin, Messrs. J. Jobsen, D. Gilkison, A. Hitchcock	
"	24	Children's Playgrounds	Mr. D. Tomlinson
Dec.	1	Gardens for the Blind	Miss E. Parkin
"	8	Electricity in Horticulture	Mr. R. Kerr
"	15	Down My Way	Mr. D. Ransom

1959

Jan.	5	Facts and Fallacies	Mr. B. Carter
"	12	Austrian Encounter	Mr. K. Jones
"	19	Decorative Autumn Fruits	Mr. J. Brown
"	26	Some Aspects of the Application of Recent Research to Horticultural Prac- tice	Mr. T. Wood
Feb.	2	Cemeteries and Crematoria	Mr. A. Pedley
"	9	Cambridge Debate—Messrs. R. Coghlan and T. Wood	
"	16	Some Uses of British Plants	Mr. I. McDowell
"	23	Cultivation of Begonias	Mr. R. Adams
Mar.	2	Some Aspects of Landscape Gardening	Mr. R. Coghlan
"	3	Wisley Debate—Messrs. D. Gilkison and T. Deans	
"	9	Cultivation of Gladioli for Market and Exhibition	Mr. S. Linnegar
"	16	Hardy Ericas	Mr. T. Sutcliffe
"	23	Scilly Bulbs	Mr. S. Bird
Apr.	5	North v. South Quiz—Messrs. R. Adams, B. Carter, A. Pierce and T. Wood.	

SPORTS AND SOCIAL CLUB, 1959.

Due to the enthusiastic support given to us by our members, our club has had a very successful season.

At the Annual General Meeting, held on 3rd September, 1959, the following officers were elected:—President, Dr. C. R. Metcalfe; Chairman, Mr. L. Hickman; Treasurer, Mr. S. A. Pearce; General Secretary, Mr. K. W. Scales; Section Secretaries:—Social, Mr. K. Toft; Football, Mr. Van der Breggan; Athletics, Mr. D. Low; Photographic, Mr. J. Jobsen; Cricket, Mr. G. Briscoe; Music, Mr. T. Cole; and Netball, Miss J. Murphy; Herbarium Representative, Miss A. James; Mycological Institute Representative, Mrs. B. Scurry.

The Bicentenary Dance was held in June and proved a great success. The remaining six dances were also very successful. In the battle for the Kew-Wisley Tankard, staged at the Boathouse Hotel, the Kew team lost—obviously the opponents were well trained.

A great variety of original costumes were worn at our Christmas Party. The Departmental Prize was again awarded to the Tropical Pits Staff, whose entry portrayed "High Society." The prize, which was a cake representing our new flagpole, was kindly presented by Mrs. Metcalfe. Mr. and Mrs. Pullen judged the entries. A sketch, given by the Ferneries Staff and headed by Mr. E. W. Macdonald, proved a great source of enjoyment. The guests included many Old Kewites.

Our grateful thanks go to Mr. A. Pedley, the retiring General Secretary, for his hard work during his term of office. Also to all who have helped in organising the activities of the club during the past year.

K. W. SCALES, *Hon. General Secretary,*
Sports and Social Club.

CRICKET SECTION, 1959.

The season was a disappointing one with the team winning only four of the fifteen matches, with two drawn. The team spirit was high but many runs were lost as a result of poor fielding.

The season opened with two defeats, to Ilford Parks at home by 38 runs (P. Darbyshire 6—29), and to St. Mary's, Battersea, at home by 8 wickets. The latter team was beaten in a match which followed by 8 runs in a very close game (G. Briscoe 41, P. Darbyshire 6—23). Two draws followed, against Wisley away (G. Nicholson 4—25, G. Briscoe 4—22), and with John Innes away (N. Jayman 59).

A depressing run of defeats followed. The team lost twice to Cambridge, at home by 6 wickets, away by 90 runs—to Ilford Parks away by 9 wickets—to Fernhurst at home by 53 runs (P. Gray 6—17)—and at home to John Innes, despite an innings of 48 runs by G. Smith and his bowling 6—65.

Of the remaining games three were won and one was lost. The victories were against Heston Methodists by 6 wickets (N. Jayman 51 not out, G. Nicholson 4—16, P. Darbyshire 4—17), Wisley at home by 3 wickets (G. Nicholson 5—14), and Fernhurst away by 14 runs (G. Nicholson 6—18, P. Darbyshire 4—17). The defeat was against Richmond Nomads by 130 runs. One evening match was arranged at Harlington which we narrowly lost.

The batting averages were topped by N. Jayman with 19.83 runs, G. Briscoe being second with 14.07 runs. G. Nicholson led the bowling with an average of 7.65; he was followed by P. Darbyshire with 9.51.

With the assistance of the lady students and girl friends we arranged our own catering for the home matches on Kew Green. Thanks are due to these helpers and to the young ladies who recorded the scoring.

The Old Kewites match in 1960 will be held on July 2nd.

B. ADAMS, *Hon. Secretary.*

MUSIC CIRCLE, 1959-60.

During the last year the Music Circle has been held fairly regularly on alternate Tuesday evenings at 7.45 p.m. The attendance during the summer dropped off considerably, due, no doubt, to the fine weather. With the onset of the shorter days the numbers improved rapidly. The music has varied from Lehrer and Sellers to Larson and Stravinsky. Carol singing in aid of the Star and Garter Homes for Disabled Servicemen raised £9 4s. 0d., and £9 0s. 0d. was collected in aid of Dr. Barnardo's Homes.

Those who attend the Music Circle appreciate the work done for this section by Dr. and Mrs. Metcalfe. The section meets at their home where there is every hospitality, and what hospitality! Mrs. Metcalfe's shortbread is delicious.

T. J. COLE, *Hon. Secretary.*

PHOTOGRAPHIC SECTION.

At the first meeting in 1959, Miss S. Carter showed us many good slides which she had taken during her holiday in Greece. The evening was made even more entertaining by her interesting comments.

Many other meetings were held at which various subjects were discussed. Mr. S. Rawlings showed a collection of slides of gardens and close-ups of flowers. He also commented on and explained the technique and equipment he uses. Mr. G. Brown gave an illustrated talk on "Two by Two Slides as a Visual Aid for Instruction in Horticulture." Mr. Campbell gave an illustrated talk on his journey to the West Indies. We also projected the slides taken by members during the Bicentenary Celebrations.

The section is indebted to all who have given their full support to make this season a successful one.

J. JOBSEN, *Hon. Secretary.*

FOOTBALL SECTION, 1958-59.

Owing to the difficulty of obtaining regular friendly fixtures it was decided to join league football. The team was accepted in Division I of the Richmond and District League. Fourteen league fixtures and two friendly matches were thus agreed. In addition, four games were arranged, two with Wisley Gardens and two with the Surrey Farm Institute.

After overcoming many teething troubles and the lack of league experience, a long series of defeats was broken. As the team settled into form the goals and points came slowly. Out of the fourteen league matches played the results were three won, ten lost and one drawn.

The traditional battles with Wisley proved successful. In the first match, played at Wisley, Kew won 1—6. The game was fairly even up to half time with the score at 1—1. In spite of the very heavy going, the game was turned very decidedly in our favour during the second half. The last ten minutes were played in a cloudburst. The return match was played in the Old Deer Park, when Kew won easily by 5—0. After tea in the Staff Mess Room the day ended socially with a dance at the Orleans Restaurant, Richmond.

Both matches with the Surrey Farm Institute were played at Merrist Wood, and on each occasion resulted in a 2—3 victory for Kew.

The Football pontoon was subscribed to weekly by more than 150 members of the Gardens and Herbarium Staffs, and over £100 was paid out in prize money.

Football activities have increased considerably and it is hoped that the trend will continue in the future.

A. T. WOOD, *Hon. Secretary.*

ATHLETICS SECTION, 1959.

The Kew to Wisley race was run in March and teams from the following establishments were entered:—Cambridge Botanic Gardens; Pershore Farm Institute; Horticultural Institute, Swanley; Institute of Agriculture, Writtle; The Grotto, Institute of Parks Administration; The R.H.S. Gardens, Wisley, and Kew. The Director, Dr. G. Taylor, started the race on Kew Green. R. Adams took the first lap for Kew, handing over to D. Mason at Isleworth. Kew's green and gold colours were carried on through Twickenham to Bushy Park by D. Mason where he handed over to M. Lycett, who took our course a stage further to Thames Ditton. By this time the pattern for the race became clearer and it became evident that the Kew runners could not, short of a miracle, carry us to victory. The lap through Esher to West End was completed by K. Scales, when D. Waterman took over to cover the hilly stretch through Cobham to the top of the long hill just outside this village. The lanky legs of B. Dodds stretched over the last and fastest lap to the finish at Gate Lodge, Wisley. The Wisley team finished first—second, third and fourth place being taken by Cambridge, Pershore, and Kew. In the evening a dance was held at the Talbot Hotel, Ripley, and during the interval the trophies were presented by the Director of Wisley, Mr. F. P. Knight.

There were a large number of entrants for the "Clog and Apron Race," which, incidentally, was filmed. The three lady gardeners who entered received a generous handicap. Miss R. Caton was first, followed closely by H. Henshaw and J. Elsley. After the prizes had been presented by the Director each competitor received a bottle of beer, and the camera turned to record the "bacchanalian" end to this occasion.

There were thirteen starters for the "Round the Gardens Race," which was held in failing light after the day's work on October 29th. Dr. Taylor who started the race, commented on the fact that one competitor was running barefoot. The result was a runaway victory for G. Gannev whose time was 14 mins. 28 secs. R. Adams and J. Elsley fought hard for second place. They finished with Adams just ahead of Elsley. The cup was presented by the Director to the Aboretum N. team who had 14 points. The Herbaceous Department tied with Decorative Pits for the Second place with 20 points.

J. J. D. Low, *Hon. Secretary.*

POLAND. * * *

All members will welcome the news that during July, 1959, we received a letter from Mr. Henryk Szolc (1903) of Poland. He is now 81 years old. Giving his address for the Journal, Mr. Szolc states that he is still interested in Kew and often thinks back to the days when he lived at Kew. We send out our greetings and our sincere regards for your health and happiness Henryk Szolc.

LAWN TENNIS CLUB.

A small increase in membership and the unusually good weather during the 1959 season resulted in very much more play than has been usual in recent years. Unfortunately it was not possible to keep the courts watered and the turf suffered very much in consequence of the long periods of hot dry weather. The thunderstorms which caused flooding in London on two occasions in August missed Kew, where barely enough rain fell to lay the dust. Play was cancelled on one Saturday only, early in the season, due to the grass being wet and slippery.

In spite of the excellent weather, only three out of the six matches arranged were played, all on the Kew courts, one against Queen Elizabeth College, London University, and two against the British Museum (Natural History). All three were won easily by Kew following some very even and enjoyable sets. It was not possible to arrange the annual contest against Wisley and the Staff v. Students Match was not played owing to difficulty in raising teams.

The Proudlock Cup Competitions had fewer entries than usual. The finals were for once played on the appointed day, the last Saturday in August. Mr. E. Snowden beat Mr. W. Lewis, 6—0, 6—1, in the final of the Men's Cup, whilst Mrs. John Lewis won the Ladies' Cup by beating Mrs. Snowden (who had earlier beaten the holder) 6—3, 4—6, 6—3, in an evenly contested game. Whilst on the subject of the Proudlock Cups, I would like to correct two errors which unfortunately appeared in the *Kew Guild Journal*, vol. 7, No. 63. On page 552 the runner-up in the Men's Proudlock Cup Competition should read Mr. A. Henshaw and on page 553 in the Ladies' Cup the runner-up should read Dr. M. Y. Stant.

The Club is indebted to Mr. R. J. Claiden, who has continued to act as Hon. Treasurer and who also relieved Mrs. Milne-Redhead of the task of Match Captain. The very dry weather and, early in the season, the abnormal commitments of his Department, prevented Mr. S. W. Rawlings and staff from doing much to improve the turf. However, he was able to give the courts considerable attention during October when the fine weather broke; the state of the turf next season will depend to some extent on the weather during the winter and spring. E. MILNE-REDHEAD.

KEW, ITS WEATHER AND PLANTS

“Sing a song of seasons,
Something bright in all.”

—Robert Louis Stevenson.

December for 1958 was rather mild with the rainfall above the average. The mildest spell was immediately after Christmas when the day and night temperatures were 8°–10° F. above normal. There was a marked absence of frost—the temperature did not fall below 30° F. Fog was often widespread and dense.

Owing to the mild and open conditions the winter's work programme was well advanced. The planting and formation of the Erica Garden was completed while several other renovation tasks were well under way, notably the thinning of the fastigate tree collection by Kew Palace, the renovation of the Lilac Border in the Duke's Garden, and the formation of additional beds for woodland plants by Cumberland Mound.

January, recorded as the coldest since 1947 in many districts, brought typically mixed weather. Kew escaped most of the icy conditions which prevailed over much of the country, but rain, snow and frost held up soil working and planting for at least a month.

February was mainly cold and very dry. The succession of blossom was broken once the hamamelis and other early flowering subjects faded. However by the 18th of this month the first crocus were in flower, while the snowdrop display in the Queen's Cottage Grounds a few days later indicated with certainty that winter was slowly giving way to spring. The 27th and 28th February were the mildest days in this month for at least twenty years.

March was mainly mild and cloudy with the rainfall above average, and the spring which developed brought unusually high temperatures. On the 4th April the thermometer readings were 14° F. higher than the average for this period. The magnolias came into blossom under ideal conditions; the large specimen of *Magnolia campbellii* by the Kew Road Wall was particularly good. The *Corylopsis spp.* were also outstanding. As a contrast to their display in 1958, the naturalised *Narcissi spp.* and varieties were very good. The heavy rains of the previous year obviously helped to produce strong bulbs. At the height of their flowering the Japanese cherries were spoilt by wind and rain, but there was not a sufficient fall to make up for the shortage which was already becoming apparent. May provided the start of the long spell of dry, warm and sunny weather. Early in the month the thermometer reached the eighties. Thunderstorms occurred but they were sporadic and did not reach Kew. The light soil soon became very dry, with the grass showing obvious signs of distress.

The display by the numerous trees and shrubs which flower during May and June was not spectacular. Among the rhododendrons, for example, the various species and varieties flowered irregularly and there was no grand display period when the bulk were in flower "en masse." Toward the end of May cold east winds prevailed, increasing the ill effects of the drought. The young growths of many of the rhododendrons suffered very severely—a bad start for foliage which was later to suffer from excessive sunshine and drought.

The dry conditions lightened the task of mowing and allowed the preparations for the Bicentenary Celebrations on the 2nd June

to be continued uninterrupted. The appearance of the grass was improved for this important occasion by a light rain which fell on the day before the event.

As the drought extended into June, with temperatures frequently above 80 degrees, the condition of many of the plants became pitiful. There were some severe thunderstorms in the home counties but they did not benefit Kew. The extensive irrigation programme, which was planned to cope with the rapidly deteriorating situation, stretched the inadequate water supply beyond the limits of practicability and, with the exception of the length of new main, the pressure was so reduced that the number of hydrants in use at any one time had to be limited. The Birch collection suffered badly but, in addition, a variety of deciduous trees and shrubs were either defoliated or killed outright. The *Davidias* responded to subsequent watering following defoliation by bursting forth into blossom for the second time in the one season. During July in the Gardens, 80 degrees was exceeded on 15 days, with a peak for the year of 93 degrees on the 5th. This was the highest in the Gardens since July 28th, 1948.

So the weeks passed with the grass parched and with many plants dying before the irrigators could reach them. During August, under cloudless skies and with the high temperatures still being maintained, the irrigation of almost the entire collection of conifers was undertaken. Fortunately the new main could be used in this area and the task was covered adequately. This operation must have played a considerable part in preventing the outbreak of fire, an ever-present danger during this period. On the 13th August nearly half an inch of rain was measured at Kew in twenty-four hours, and the moist cooler weather gave rise to the belief that the dry conditions had broken. However, the remainder of August and the whole of September were almost entirely without rain and with continually high temperatures and sunny days, the drought intensified. Under these conditions autumn scenes developed rapidly. Even the Sweet Chestnuts did not develop properly and many of the fruits withered on the trees. However, a large and variable collection is certain to contain at least a few species which are ideally suited by even long periods of phenomenal weather conditions. *Sophora japonica* and its varieties fruited very heavily—a rare occurrence. *Magnolia campbellii* and *Aesculus californica* also responded by producing a fine crop of large fruits. The *Cotoneaster* and *Sorbus spp.* on the other hand produced very poor crops which were quickly eaten by birds. Such conditions were also apparent in many of the remaining collections. During 1958, 1,700 species of trees and shrubs yielded sufficient seeds for collection—yet the total for this year was down to 1,560, a reduction of 140. The *Lampranthus spp.* in the new borders by No. 5 flowered very well during the whole of the summer—even in mid-September they were a blaze of colour—and were in marked contrast to

the adjacent regional annual beds which had long since passed out of flower.

The dry weather continued through September and on until the 10th October, when rain fell to end the longest drought on record. The threatened leaf fall was arrested and a few patches of autumn colour developed. The large specimen of *Nyssa sylvatica* in Pagoda Vista was outstanding, while among the ashes *Fraxinus excelsior aurea* was exceptionally good. The fine plant of *Oxydendron aboreum* by King William's Temple glowed with a mixtures of shades which ranged from scarlet to deep crimson.

During November and December unusually mild conditions prevailed and produced interesting results—*Malus eleyi*, for example, had a fair scattering of open blossoms in mid-December, while *Fraxinus angustifolia* was covered with bloom throughout the latter month. December also brought much rain and severe gales. The only serious fog was on the 15th-16th December. The temperatures were above the average for the month, 3-4 degrees by day, 2-3 degrees by night.

Thus 1959 closed with sunshine totals more than 300 hours in excess and with rainfall for the year 6 inches below the average. Mild and wet conditions prevailed as the old year went out. In addition to the plants in bloom on the 31st December, *Celastrus orbiculatus* and *Cotoneaster serotina* bravely held a sprinkling of scarlet fruits, while *Lonicera quinquelocularis* was outstanding among other species in this genus as it displayed a crop of its translucent berries in defiance of both the weather and the birds. But the message for the New Year was embodied in the large clump of *Nuttallia cerasiformis* by the Ferneries which with the buds at bursting stage held promise of the season to be and gave a glimpse of spring in advance.

	Rainfall in	Temperature		Grass
		Maximum	Minimum	
1959	Inches	Av.	Av.	Av.
January ...	2.33	43°	30°	27°
February ...	.09	46°	33°	30°
March ...	1.65	56°	38°	36°
April ...	2.39	60°	42°	39°
May ...	.38	68°	47°	44°
June ...	.44	74°	50°	42°
July ...	1.64	78°	56°	52°
August ...	1.22	77°	56°	53°
September ...	.06	73°	51°	47°
October ...	1.93	66°	47°	44°
November ...	2.43	53°	38°	35°
December ...	3.39	50°	38°	35°
Total ...	<hr/> 17.95 <hr/>			

PLANTS IN BLOOM IN THE OPEN AT KEW ON DECEMBER 31st, 1959.

Amaryllidaceae

Galanthus byzantinus Baker
Galanthus caucasicus (Baker) Grossheim

Narcissus tazetta L.

Berberidaceae

Mahonia japonica (Thunb.) DC.
Mahonia lomariifolia Takeda

Calycanthaceae

Chimonanthus praecox (L.) Link
Chimonanthus praecox (L.) Link
 var. *concolor* Makino

Caprifoliaceae

Lonicera x purpusii Rehd.
Lonicera standishii Jacq.
Viburnum x bodnantense Aberconway
Viburnum x carlecephalum Burkwood
 ex Pike

Viburnum foetens Decne.
Viburnum fragrans Bunge
Viburnum fragrans Bunge

Viburnum tinus L.
 'FARRER'S PINK'

Compositae

Petasites fragrans (Villars) Presl

Ericaceae

Arbutus x andrachnoides Link
Arbutus unedo L.
Arbutus unedo L. 'MICROPHYLLUM'
Arbutus unedo L. var. *rubra* Ait.
Erica carnea L. 'PRAECOX RUBRA'
Erica carnea L. 'SPRINGWOOD WHITE'
Erica carnea L. 'WINTER BEAUTY'
Erica x darleyensis Bean
Erica x darleyensis Bean

Erica x darleyensis Bean
 'SILBERSCHMELZE'
Erica mediterranea L.
 'W. T. RATCLIFFE'

Rhododendron mucronulatum Turcz.

Rhododendron x nobleanum Lindl.

Hamamelidaceae

Hamamelis japonica Sieb. & Zucc. 'JELINA'
Hamamelis mollis Oliver
Hamamelis mollis Oliver var. *pallida* Chittenden
Hamamelis vernalis Sarg
Hamamelis virginiana L.
Sycopsis sinensis Oliver

Iridaceae

Crocus laevigatus Bory & Chaub. var.
fontenayi (Heldreich) Halacsy

Iris unguicularis Poir.

Iris unguicularis Poir. var. *alba* Hort.

Oleaceae

Fraxinus angustifolia Vahl
Jasminum nudiflorum Lindl.
Jasminum nudiflorum Lindl. 'AUREUM'
Osmanthus heterophyllus (G. Don)
 P. S. Green

Ranunculaceae

Helleborus abschasicus A. Braun
Helleborus corsicus Willd.
Helleborus cyclophyllus A. Braun
Helleborus graveolens Host
Helleborus niger L. subsp. *macranthus*
 (Frey) Schiffner

Helleborus orientalis Lam.
Helleborus orientalis Lam. 'ALBUS'

Rhamnaceae

Colletia armata Miers

Rosaceae

Prunus subhirtella Miq. var. *autumnalis*
 Makino

Scrophulariaceae

Veronica speciosa (R. Cunn. ex A. Cunn.)
 Cockayne & Allan varieties.

Theaceae

Camellia japonica L.
Camellia japonica L. 'FIRST FLASH'
Camellia sasanqua Thunb.
Camellia sasanqua Thunb. 'ALBA'
Camellia sasanqua Thunb.

Camellia sasanqua Thunb. 'AZUMA-NIKISHI'

Camellia sasanqua Thunb. 'MINE-NO-YUKI'

Camellia sasanqua Thunb. 'ROSEA'

Camellia sasanqua Thunb. 'RUBRA'

The daily maximum and minimum temperatures for December, 1959, are as follows:—

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Max.	46°	48°	51°	46°	51°	49°	51°	50°	51°	45°	43°	41°	50°	51°	47°	55°
Min.	31°	33°	39°	31°	35°	41°	41°	35°	37°	42°	38°	30°	35°	45°	32°	45°
Date	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Max.	55°	51°	53°	54°	50°	49°	47°	50°	52°	52°	48°	49°	53°	52°	54°	
Min.	41°	37°	39°	34°	30°	40°	36°	35°	43°	42°	41°	36°	38°	44°	49°	

WEDDING BELLS

Mr. Brian Hill to Jean Margaret Andrews at St. Paul's Church, Glais Houghton, Castleford, Yorks, on 19th December, 1959.

Mr. A. Pedley (1959) to Miss Margaret Holden at St. Mary's R.C. Church, Oswaldtwistle, Lancs., on 21st November, 1959.

Mr. T. Risely (1958) to Miss M. Perkins at St. Andrew's, Leicester, on 26th September, 1959.

Mr. D. Moore (1956) to Miss K. M. Mortimer at St. John's Church, Pembroke, Bermuda, on 1st October, 1959.

Mr. G. Smith (1959) to Miss C. Newton at Kew Methodist Church, on 28th March, 1959.

Mr. R. Coghlan (1959) to Miss R. Harper at Bramhull Methodist Church, Cheadle, on 3rd October, 1959.

Miss E. R. Fraenkel (1946) to Mr. R. Gibson at 1005, 19th Avenue S.W., Calgary, Alberta, on 21st March, 1959.

KEWITES AS AUTHORS OR CO-AUTHORS

W. B. TURRILL

"The Royal Botanic Gardens, Kew: Past and Present"—
Jenkins, 25s.

W. B. TURRILL (as Editor)

"Vistas in Botany"—A volume in honour of the bicentenary of the Royal Botanic Gardens, Kew—Pergamon Press. £5.

G. W. ROBINSON

"The Cool Greenhouse"—Penguin Books, Ltd. 6s.

J. HUTCHINSON

"The Families of Flowering Plants"—Oxford University Press.
£7 7s. 0d.

S. A. PEARCE

A revision of "Ornamental Trees for Amateurs" by W. J. Bean.
Country Life. 18s.

STELLA ROSS-CRAIG

"Drawings of British Plants"—Part XII (*Umbelliferae* (2)).
Bell, 1959. 9s. 6d.

J. P. M. BRENAN and N. K. B. ROBSON (contributors)

"Flora of Zambesiaca"—Vol. 1, Part 1. Crown Agents. 25s.

J. P. M. BRENAN

"Flora of Tropical East Africa (*Leguminosae, Mimosoideae*)"
Crown Agents. 12s.

(C. E. Hubbard and E. Milne-Redhead are Editors of the
whole series).

LAURA M. WELLS

* "The Children's Garden" Nelson. 12s. 6d.

* This book has been sent in for review—this will appear in the
next issue.—Ed.

BICENTENARY OF THE ROYAL BOTANIC GARDENS KEW

1759-1959

Her Majesty the Queen and His Royal Highness, Prince Philip, the Duke of Edinburgh, were present at the garden party which was held at Kew on the 2nd June to mark the bicentenary of the inauguration of the Royal Botanic Gardens. The Princess Royal also attended.

By early afternoon the approaches to the Main Gate were thronged with expectant crowds. Within the Gardens the scene was perfect. Under a cloudless summer's sky the trees and lawns were beautifully green from the light rains which fell on the previous day. Adding colour to the scene were the varied summer dresses which were splashed among the lines of distinguished guests who, with the Gardens' staff and their families lined the Royal route through the grounds. Nurses from local hospitals, Old Age Pensioners, local officials and 400 school children had also been invited. Mr. F. Flippance, our President for 1958/59, attended to represent the Guild.

Promptly at 3.30 p.m. the Main Gates swung open and the Royal cars entered to halt on the edge of Sundial Lawn before Kew Palace. There the Royal visitors were received by Lord Munster, Lord Lieutenant of Surrey; Mr. John Hare, Minister of Agriculture; Mr. Hugh Molson, Minister of Works; Alderman H. A. Leon, Mayor of Richmond; and Dr. George Taylor, the Director. A small section of the Guards' Band which was in attendance, played the National Anthem.

Two commemorative trees were planted on the lawns in front of the Palace—a Walnut (*Juglans regia*) by the Queen, and a Dawn Redwood (*Metasequoia glyptostroboides*) by Prince Philip.

There followed a visit to Kew Palace before the Queen toured part of the Gardens and, Prince Philip, escorted by Mr. C. E. Hubbard, visited the scientific exhibition in the Herbarium. The Queen, escorted by Mr. Hare, the Minister and the Director, drove up the Prince Albert Walk and along Syon Vista to see the spar of Douglas Fir from which the new flagstaff was made. Then

the party turned to drive along the south side of the lake via Boathouse Walk and across the Gardens to near the Temple of Bellona before turning toward the Palm House. Her Majesty entered the Palm House by the east door and then passed on to No. 15, the Water Lily House. The tour then continued past the Orchid Houses and Iris Garden to the Orangery.

The Queen was rejoined by Prince Philip and tea was served at 4.30 p.m. both in the Orangery and in a marquee within the immediate vicinity. The Band played appropriate music.

After tea the Royal visitors met botanists and horticulturists from many parts of the Commonwealth, the Continent and the United States of America. But first, upon leaving the Orangery, Her Majesty was presented to the Curator and his assistants. The Royal visitors took a very keen interest in the work and the responsibilities undertaken by the Staff and the establishment generally.

Just before the Royal Visitors left a bouquet of exotic blooms, grown at Kew, was presented to Her Majesty by Sally Elizabeth Brown, the eight-year-old daughter of one of the Assistant Curators. The following species were represented in the bouquet—*Stephanotis floribunda*, *Hymenocallis macrostephana*, *Gloriosa virescens*, *Cattleya forbesii* and *Epidendrum hartii*. Just before 6 p.m. the Royal party left the Gardens but the memories of this wonderful visit remain—all who attended were very impressed by the occasion. All left feeling that it had proved a great day for Kew, its records and traditions.

The Gardens opened to the general public for the first time that day at 6.30 p.m. and remained open until 9.30 p.m.

The type for the heading—"ROYAL BOTANIC GARDENS, KEW, 1759-1959," was in use in this country 200 years ago. A special block was prepared for this.

SPECIAL FEATURES AT KEW WHICH PROVIDED A BACKGROUND TO THE BICENTENARY CELEBRATIONS

The Reconditioned Orangery.

The Queen and Prince Philip took tea in the Orangery after their tour of the Gardens on the 2nd June.

This building was erected in 1761, from the plans of Sir William Chambers, for the winter protection of Orange trees grown in large tubs at Kew House, the residence of Princess Augusta, Princess Dowager of Wales. From 1862 to 1958 it was used as a museum, chiefly for the display of timber and objects made of wood. It is now restored to its original purpose.

On the 2nd June it was simply but effectively laid out for the Royal Tea Party. The pieces of statuary which have been introduced as a permanent feature were spaced along the wall, and these included the two "Francavilla Statues," Apollo and Zephyr,*

* See page 471, Kew Guild Journal, 1957.

which had been returned to Kew from the Victoria and Albert Museum, South Kensington. In the centre of the floor was a Roman Bath of Alabaster of the Royal Imperial Period from the Cook Collection, British Museum. This is also to be a permanent feature, but for the occasion it contained a choice collection of Orchids which included *Cattleya* and *Paphiopedilum* hybrids. Groups of stove plants were placed in the corners. At the east end there was a small collection of interesting plants, including a specimen of *Dionaea muscipula* (Venus' Fly Trap)—these were inspected by Her Majesty as she left the building after tea; the functions of the insectivorous plant with its traps were explained and demonstrated by the Director.

The setting for the celebrations was set by the white-clothed tea tables which contrasted perfectly with the black- and white-tiled floor—a new feature of the reconditioned building. Orange trees in tubs were placed against the southern wall.

It is the only Orangery being used as such in Britain. Between £7,000 and £8,000 had been spent in reconditioning this fine Georgian building.

The Restored Palm House.

The Palm House, which was erected in 1848 from the designs of Decimus Burton, F.R.S., was closed for repair in 1952 on account of the dangerous state of its ironwork. The Queen's visit was made the occasion of the reopening of the repaired and partially reconstructed house—the public were free to enter the building after 5 p.m. on the 2nd June, 1959. A stone set in the main path which runs across the house is inscribed very simply—1848—RESTORED—1957. The cost of the restoration was about £100,000.

The Rose Pergola.

To mark the bicentenary a £4,000 Rose Pergola has been constructed over the two paths which run north to south and east to west through the Herbaceous Ground. It consists of brick piers with timbered runners and cross-bars. It was built in the early months of 1959.

KEW AND THE HOUSE OF COMMONS

The new developments for the Royal Botanic Gardens, Kew, were announced in the House of Commons by Mr. John Hare, Minister of Agriculture. He referred to the Gardens and stated they were “a treasured national possession.”

He continued—“Kew Gardens have been the direct source of important economic development throughout the Commonwealth, and their pre-eminence as a centre for botanical research is recognised throughout the world. On their future requirements I have obtained the valued advice of Sir Eric Ashby and a group of distinguished scientists.

A programme of development, designed to ensure that the resources and equipment of the Gardens are brought up-to-date is being considered. Schemes to improve research facilities at Kew will take some time to mature but I am confident that with their aid the Gardens will remain in the forefront of botanical research and continue to serve this country and the Commonwealth as they have done so long in the past.

To the general public the Gardens will continue as a place of beauty and tranquility. To mark the bicentenary the amenities of the Gardens are being improved and, with the aid of my Right Hon. friend the Minister of Works, a new rose pergola is being built. The Palm House of Decimus Burton has been reconstructed and the Orangery of William Chambers is being restored; these two buildings were re-opened early in June.

Mr. Emrys Hughes (Lib.—Ayshire S.) suggested that the Postmaster General should issue a special postage stamp to mark the bicentenary of Kew.

The Postmaster General, Mr. J. K. Thompson, replied with a rejection of this idea. He stated—"Our policy is to limit the issue of special stamps to mark current events of outstanding national or international importance and royal or postal anniversaries I understand that some special celebrations have been arranged to mark the bicentenary of the Kew Gardens."

Mr. Emrys Hughes then asked—"Is the Minister aware that more people visit Kew Gardens than they do even the shrine of Robert Burns? As so many people visit Kew, does he not think that he would sell a very large number of postage stamps and that it would be a good way of honouring an institution that is very popular in this country and which was founded by the mother of King George the Third—with good Hanoverian blood?"

Mr. Thompson replied—"I am aware of the popularity of Kew Gardens, but that does not affect our policy."

* * *

BIOLOGISTS OF THE U.S.S.R. AND THE BICENTENARY CELEBRATIONS.

On the 17th March, a meeting of about 400 biologists of the U.S.S.R., representing various societies and institutions, was held at the Principal Botanical Garden of the U.S.S.R., Moscow, to mark the bicentenary of the foundation of the Royal Botanic Gardens, Kew. The proceedings were opened by an address from the Director of Moscow Botanical Gardens, Acad. N. V. Tsitsin, followed by an account of Kew by Professor K. T. Sukhorukov, who also referred to the valuable connections established between British and Soviet botanists. A message of greetings to the Royal Botanic Gardens was then unanimously adopted. The British Ambassador, Sir Patrick Reilly, in reply expressed his appreciation of the honour accorded to Kew and his gratitude for the message. The meeting ended with the showing of two films, one on Kew and the other on Moscow Botanic Gardens. A series of photographs taken at the meeting was on view in the Herbarium.

KEW 200 YEARS AGO.

When gazing at the buildings of Kew one realises that the oldest are those scattered around the Green or in the Gardens nearby. It is not surprising, therefore, to find when looking back two centuries, that these were the only buildings here.

The Green having no fence around it was then looked upon as common property and Kew Fair was held there until abolished in 1781. Kew possessed a pound for stray cattle for at the East of the Green were fields, including pastures; Kew also had a pair of stocks for its other inhabitants who had strayed.

Ferryman Tunstall, the owner of Kew horse-ferry, had only just erected the Bridge as a private venture. It consisted of eleven arches; the seven central ones were of wood while the remainder were of brick and stone. In 1783 it was replaced and again in 1903 by the present structure.

Perhaps the most remarkable thing about the Kew of 1759 is that it was then included in the parish of Kingston. The Church was then known as a "chapel" and the chapelry of Kew belonged to Kingston Church.

Two incidents concerning King George II that occurred about this time will be of particular interest to present-day Kewites, especially as they tend to show that even in those days the Gardens were looked upon by some people as common property. They are quoted as recorded in one of *The Universal Magazines* :—

"His majesty came one day to Richmond Gardens and finding the gates of them locked, while some decently-dressed persons were standing on the outside, called for the head-gardener in a great passion and told him to open the door immediately. 'My subjects', added he, 'sir, walk where they please'."

"The same gardener complaining to him one day that the company in Richmond Gardens had taken up some of the flower-roots and shrubs that were planted there, his only reply was, shaking his cane at him, 'plant more then, you blockhead you'." A good rebuke to anyone who delights in boring those in authority with trivialities.

J. L. GILBERT.

* * *

Fourteen local authorities, as corporate members of the Royal Lancashire Agricultural Society, combined to make their second display of municipal horticulture a unique event and great exhibition of colour and artistry. A marquee was devoted to municipal exhibits. Among the Corporations and their "Kewite Superintendents" taking part were: St. Annes Corporation, Mr. T. M. Coventry (1924); Fleetwood Park Dept., Mr. E. Chantler (1939); Liverpool Parks Dept., Mr. P. W. Conn (1923); Bolton Parks Dept., Mr. T. E. Clark (1924); Warrington Corporation, Mr. A. E. Harper (1933).

ORCHIDS ON CITRUS

An interesting observation for Horticulturists was made recently by Dr. Vincent A. Wager of the Division of Plant Pathology and stationed at Durban. He was requested to investigate a complaint that citrus orchards near Umzinto were badly infested with orchids. He found this to be the case and goes on to report :—

“ The branches and trunks of the trees were literally covered with the orchid *Mystacidium capense* (L.f.) Schltr., growing in such profusion that hand picking, to remove them, would hardly be considered an economic proposition. Considerable dieback is present in these trees, but the orchard is old and neglected and it is not considered that the orchids have appreciably helped in the deterioration of the trees, Anyhow it is an interesting phenomenon.

The citrus orchard is surrounded by numerous other varieties of trees. Orchids were found to a very slight degree on oak, mango and loquat.

No orchids however were seen on Peach, Pawpaw, Syringa, Guava, Blue Gum, Bougainvillea, Jacaranda, Mulberry, Grape, Custard Apple, Brazilian Cherry, Grevillia, Palm, Cotoneaster, Rose, Apple and various indigenous trees.

The suggestion might be put to commercial growers of orchids to try citrus wood on which to grow their plants in place of the Pine Bark used at present. Although the orchid is an epiphytic saprophyte, there must be some chemical substance in the bark of a citrus tree that it likes.”

* * *

Lithops have within recent years been eagerly sought by collectors from many parts of the world. To day they are treasured by connoisseurs of these plants and their successful culture is often the subject for debate among the specialists in this country.

Major Long's (1908) interest in this class of plants dates back many years. In 1926 he took leave from his post in Port Elizabeth in order to search for *Lithops fulleri* on a koppie just outside the town.

“ My wife, children and I went out every morning,” recalled Major Long in a recent letter, “ took our tea on the veld and sat down day after day after looking for Lithops. On about the tenth day, as we were drinking our tea from our flask, my young daughter exclaimed : ‘ What are these funny looking pebbles we're sitting on, Dad ? They were hundreds of *Lithops fulleri*, beautifully camouflaged, and we were sitting on them. So nature protects our glorious flora. But nature unaided isn't enough,” added Major Long.

GREETINGS FROM BERMUDA

In the year of Kew's bicentenary, Bermuda, Britain's oldest self-governing colony, celebrated the 350th anniversary of its start as a British possession. To link these occasions and to mark the happy associations between the two places, a presentation was made to the Gardens of twelve seedlings of *Juniperus bermudiana*, the Bermuda Cedar, and twenty-five citrus plants. On a day in August these were handed to the Curator by Mrs. Ethel Gosling, a former President of the Garden Club of Bermuda.

The event which Bermuda was commemorating was a shipwreck. In 1609 the ship "Sea Venture," on her course from Plymouth to bring supplies and reinforcements to the young colony of Virginia, was overtaken by a tremendous storm in the west Atlantic. Buffeted and in sinking condition, the ship drifted by the dispensation of Providence within sight of land and struck quarter of a mile from the shore, to which the ship's company were able to make their way without loss of life. They found themselves on an uninhabited island, or group of little islands, low-lying and covered with a dominant coniferous tree, which they called cedar. This they used to make cabins in which to live, and then to build two pinnacles on which they were able to complete their journey the following year. Three men stayed on the island until, two years later, there arrived a ship carrying a company of men and women who were to found a settlement on the Bermuda Islands.

There is not space here to tell of the struggles and fortunes of this small Colony, isolated but for the enterprise of its ships and seamen who engaged in trade with the West Indies, with North America, and England. They brought back to Bermuda many useful plants, amongst them citrus, which flourished so well that voyagers, it was said, would smell the sweet orange blossom as they approached the islands. Later, through the introduction of insect pests, the citrus trees were almost completely destroyed, and, later still, a similar disaster has threatened the Bermuda cedar with extinction. The revival of citrus-growing, with the protection of insecticides, has been an outstanding accomplishment of Bermuda's horticulturists in recent years, and it is greatly to be hoped that efforts to preserve *Juniperus bermudiana* will be no less successful.

Despite a traditional interest taken by Bermudians in planting and gardening, Bermuda was late in having anything in the nature of a botanic garden and, perhaps for that reason, was not linked with the early work of Kew. In 1896, however, an Act was passed by the Bermuda legislature founding a Public Garden "to assist in developing the agricultural and horticultural capabilities" of the Colony, and as first Superintendent there was appointed on the recommendation of the Director of Kew, G. A. Bishop, an experienced gardener from the vicinity of Wolverhampton. His successor in 1906 was a Kewite, T. J. Harris who, after training

at Kew, experienced several years in Jamaica before going on to Bermuda. Under Bishop and Harris the Public Garden was laid out in attractive style to contain a collection of useful and ornamental plants, with trial-plots for the testing of plants of economic value.

In 1912 the Public Garden became the headquarters of the newly formed Department of Agriculture and was known as the Agricultural Station but, despite the change of name, the collection of plants from many parts of the earth was maintained and improved as occasion permitted. In 1928 a Kew man of outstanding merit was appointed as Horticulturist in the person of J. C. Nauen. A most able and energetic gardener, Nauen did great work in introducing many good plants to Bermudian gardens and in stimulating interest in horticulture. In 1935 he transferred to Singapore as Assistant Curator of the Botanic Garden, and his devoted service there and death as a prisoner-of-war in Japanese hands have been recorded in this *Journal*.

To fill his place in Bermuda, there came another Kewite, G. R. Groves, who served as Horticulturist from 1937 to 1943. In that time he was largely concerned with the revival of citrus-growing and the lay-out of new public parks. He left Bermuda for a period of service in British Guiana and England, to return in 1949 as Assistant Director and to become Director of Agriculture in 1955. Under him have served other men from Kew, first G. Scott from 1951 until 1956 when he went to America, and now J. Hubert Jones, a Bermudian who came to Kew for training, and D. Moore, appointed to Bermuda in 1956. Under this strong Kew influence, the old Public Garden has again changed its name and is now the Botanic Garden.

Although a gardener is believed never to be satisfied with the weather, in Bermuda his complaints must surely be at a minimum. A shortage of water is perhaps the commonest lack and there may be strong winds bearing salt-spray at some periods of the year. The absence of frost, the abundance of sunshine and scattered showers throughout the year favour the growing of a very wide range of decorative plants; and Bermuda is as justly renowned for the beauty and charm of its gardens as for the kindly hospitality of its many keen gardeners.

T. A. RUSSELL.

A number of Orchids were selected from the Kew collection for exhibition at the Darwin Centenary Conference which was held at the British Academy, Burlington Gardens, Piccadilly, on 28th November, 1959. Various species of *Cattleya*, *Odontoglossum* and *Paphiopedilem* were represented. The plants were staged by Mr. P. F. Hunt, who took up his appointment on 1st April as a Scientific Officer in the Herbarium and is working with Mr. Summerhayes on Orchidaceae.

THE ERECTION OF KEW'S NEW FLAGPOLE— "OPERATION KEWSTAFF."

The new 225 ft. flagpole was erected on the afternoon of Thursday, 5th November, 1959. Thus we may now complete the story which started with the article—"The spar for Kew's New Flagpole" on page 578 of the 1958 Journal (Vol. VII, No. LXIII).

THE SHAPING AND PREPARATION.

Throughout the latter part of the summer of 1959 the task of converting the spar into the finished flagstaff was undertaken by Messrs. Higgs and Hill, Crown Works, South Lambeth Road, S.W.8. The work was carried out by a foreman, two carpenters and two labourers. Ten towers were erected and spaced throughout the length of the spar to carry the hoists. A theodolite was used to achieve accuracy during the cutting and trimming. Chain-saws and planes cut away as slowly, over the weeks, the flagstaff took shape. With a wood which is naturally fairly hard and resinous, the work was made more difficult as the tools had to run with the grain. The cutting edges needed frequent sharpening. The first 16 feet was cut to 2 ft. 9 in. square; the next 140 feet tapered octagonally, while the remainder was tapered round to a finish of $11\frac{3}{4}$ in. diameter circle at the top. The cap from the old flagstaff was fitted on the top of the new. The whole task was very well done and was a credit to all who took part in the slow and exacting work. The weight of the pole was reduced from 37 to 15 tons. The surface was treated with a penetrating wood preservative.

THE LAST LONG MILE

Also during the summer the route from Syon Vista to Victory Mound was carefully surveyed by a team from the 13 Field Survey Squadron Royal Engineers. The route which was selected ran down the length of Cedar Vista to the Pagoda and thence to the Temperate House via Pagoda Vista. The last few yards of the route lay down the walk from the Temperate House to the mound—a route of approximately one mile.

The task of moving the new mast to the erection site, of lowering and dismantling the old one and erecting the new, fell to the 23rd Field Squadron Royal Engineers, a unit of the 3rd Divisional Engineers. The Army authorities were very pleased to do this, for the task afforded a real chance of purposeful training of excellent value. It was also the bicentenary anniversary of the victory at Minden in 1759 when the allied British and Hanoverian Army defeated the French. (In 1759, to mark this victory, the mound was named Victory Mound and a temple was built thereon). There is also a particularly close link between the Corps of Royal Engineers and the donor province of British Columbia, in whose centenary celebrations last year representative parties of the Royal Engineers took part.

A detailed project, which was fundamentally the work of a young National Service officer, was prepared and submitted to the Ministry of Works in August. This project was approved and formed the basis for the final work. The plan took into consideration certain new problems arising since the last erection, while the aim was to make the maximum use of items of Military Engineering equipment of the latest design. Prototype pieces of equipment which were under test for W.D. purposes were put into use.

On the morning of Thursday, 22nd October, 1959, two mobile Jones cranes of the latest design and brightly painted red moved into the Gardens. They made for the pole and several trial lifts were carried out. Then, with the ground still firm from the dry summer, the move down Cedar Vista commenced, and the pole, top first, headed for the Pagoda. A halt was made for the night when this latter point was reached and the pole was left resting on the stays.

On the following morning the top of the flagstaff was taken well past the Pagoda and the whole turned until the butt end laid toward the Palm House. By 4 p.m. the pole lay before the east door of the Temperate House, with the end of the journey in view. The journey to this point had been a difficult one. In places the ground was soft and gave beneath the heavily laden vehicles. The teams of R.E.'s worked ahead laying sheets of mesh tracking to keep pace with the general movement. Overhanging branches also impeded progress. It must be emphasised that every care was taken by those concerned to avoid unnecessary damage.

THE ERECTION

To lower the old mast and erect the new, a 100 feet pier kingpost was constructed from Heavy Girder Bridge equipment. This equipment replaced the Bailey Bridge and although its use for tower construction was envisaged it has never before been built to this height. On the top of the tower were special rollers over which the steel wire lifting rope was run. The motive power for lowering and lifting was provided by the winch of the Leyland Recovery Vehicle, a prototype recovery vehicle specially built to the specifications of the Fighting Vehicle Research and Development Establishment by Leyland Motors. The stay ropes for the tower and for the side guys used to steady the pole during its erection were secured by an entirely new design of earth anchor, the Molex, made by Waiters of Aldershot, and the strain in these guys was taken up by the use of the new Tirfor pull-lift jack, made by Tirfor Ltd. These new equipments were invaluable in making this difficult task easier.

A special problem was posed by the considerable tree-growth since the last erection, and this meant that the direction of approach formerly used was no longer possible. It was thus necessary to lower the old mast at right angles to the trunnion bearing on which it sat, and this necessitated the turning of the

trunnion bearing and the complete re-concreting of the base. This took some four days to do.

By Wednesday the old pole was lowered and the new arrival was in position on the ramp ready for erection. This was carried out perfectly on Thursday, 5th November, and with a short ceremony the Union Jack was hoisted.

Thus the long and involved operation was at an end—the Army retired from the scene, leaving the Royal Botanic Gardens again at “peace” to wrestle with the problems of growing and classifying plants, and with the new 225 feet high flagstaff standing straight and true on Victory Mound.

* * *

HISTORICAL NOTE

The present flagstaff is the third to have been presented to Kew. The first was 118 feet high, and when being towed up the Thames from the London docks was cut in two by a tugboat. After being spliced it was brought again to the Gardens, but while being erected it and the hoisting apparatus were blown over and the spar broke into three pieces. Mr. Edward Stamp, who was the donor of this spar, on hearing of the disaster, immediately offered another and larger spar from his forests in British Columbia. A pole 159 feet high and 20 inches in diameter was eventually erected on this mound in 1861. This Flagstaff was replaced in 1919 by a still larger one, 214 feet high, a gift to the Gardens by the Government of British Columbia. Like its predecessor, it was a shaped trunk of Douglas Fir (*Pseudotsuga menziesii*) 2 feet 9 inches in diameter at the base, and 1 foot at the smaller end. In 1956, however, it was discovered that the top had been attacked by a wood-rotting fungus and 78 feet of it had to be removed. When this became known in British Columbia, the Government of that Province, together with certain business interests there, connected with the timber trade, most generously donated another stem of Douglas Fir, 225 feet in length, in commemoration of British Columbia's first centenary (1958) and Kew's bicentenary (1959).

Two young living specimens of Douglas Fir are to be seen on the slope to the north-west and about 30 yards from the Flagstaff. They were planted under the direction of Mr. A. Osborne (then Assistant Curator, Arboretum) in 1919. In 30 years they have reached a height of 45 feet.

* * *

THE ERECTION OF THE FIRST KEW FLAGSTAFF— CANDID COMMENTS OF A PRINCESS

The following extract is taken from the journal kept by Princess Mary Adelaide, second daughter of the Duke of Cambridge:—

2nd May, 1861. “I finished the play of Hamlet with Geraldo before going down to breakfast, and directly afterwards

we hurried to the Pleasure-grounds to see the flagstaff set up by sailors and shipwrights before the delighted eyes of the frantically excited Hookey, the astonished eyes of Kewites of all classes, and the disapproving eyes of our party who consider it highly tea-gardeny!"

The Princess's journal contains occasional lively references to what was going on in the Royal Gardens over the wall from Cambridge Cottage. "Geraldo" was her lady-in-waiting, Lady Geraldine Somerset, and in "the frantically excited Hookey" we may recognise the first Director of the Gardens. The name of "Hookey" was used in affection rather than disparagement, and other entries in the journal, (quoted in C. Kinloch Cooke's *Memoirs of H.R.H. Princess Mary Adelaide*) indicate that Sir William Hooker and his Royal Neighbour shared feelings of mutual esteem and regard.

T. A. RUSSELL.

* * *

SOUTHEND-ON-SEA PARKS DEPARTMENT

Mr. K. McCreadie (1929), Superintendent of the County Borough of Southend-on-Sea Parks Dept., has written an illustrated account of his department in the *Park Administration Journal*, February, 1959. The department is responsible for 1,378 acres which includes an 18-hole golf course and 90 acres of woodland, pollarded on a 15-year rotation and primarily used as a Nature Reserve, which is the Mecca of the local Natural History Society and is visited by numerous parties of school children who are conducted by the Warden. The staff numbers 281 and includes headquarters staff of twelve, also staff for maintenance of buildings and machinery.

The Department is responsible to the Highways Committee for maintenance of all street trees and grass verges; to the Housing Committee for all open spaces on housing sites and, on behalf of the Education Committee, the maintenance of school gardens and playing fields is undertaken.

Eight Head Gardeners are responsible for all parks and open spaces. The Borough is divided into three sections for maintenance of trees and verges, with a small specialist group for large or dangerous trees in parks or highways.

Plans and estimates for the various works are prepared by the Landscape Draughtsman assisted by a Departmental Pupil. Pupils spend about a year in the Drawing Office and, with General Office duties, some experience is gained of the administrative work of the Department.

The pupils are trained over a 5-year period. They attend the Municipal College one day each week, while the two-year Diploma Course at the Essex Institute of Agriculture at Writtle is included in the five-year period.

(By courtesy of Parks Administrative Journal.)

POSITIONS TAKEN BY STUDENTS ON LEAVING KEW DURING 1959

Adams, R.	Student, The Grotto, Inst. of Parks Administration.
Adshead, P.	Temporary position at Kew.
Bird, S. F.	Sydney, Australia.
Brown, J.	Manchester Corporation Parks Dept.
Carter, B.	Student, The Grotto, Inst. of Parks Administration.
Coghlán, R.	West Coast, Development Company, Barbados.
Dunnenberger, W.	Tannbühl, Hedinger, Switzerland.
Jones, K. R.	Botanical Assistant, Liverpool.
Kerr, R. T.	Student, The Grotto, Inst. of Parks Administration.
Mason, J. D.	Student, The Grotto, Inst. of Parks Administration.
Parkin, Miss M. E.	Canada.
Pedley, A.	Propagator, Paddington Borough Council.
Porter, A. J.	Student, Worcester Training College.
Ransom, D. P.	Uxbridge Parks Dept.
Smith, G. D.	Johannesburg Parks, S. Africa.
Storer, D. T. M.	Gynsill Court Nurseries, Anstey, Leics.
Sutcliffe, T.	Foreman Propagator, Uxbridge Parks Dept.
Tomlinson, D.	Student, The Grotto, Inst. of Parks Administration.
Williams, A. L.	Student, Bath Training College.

PREVIOUS POSITIONS OF STUDENTS ENTERING KEW
DURING 1959

APRIL INTAKE

Breggen, J. G. van der	Pretoria Parks Dept.
Briscoe, G. E. D.	Johannesburg Parks Dept.
Caton, Miss R. A.	St. Michael's House, 119 Banbury Road, Oxford.
Foote, L. A.	Wimbledon Borough Council, Open Spaces & Cemeteries Dept.
Gibbons, L.	Leigh Corporation, Parks & Cemeteries Dept., Lancs.
Humphrey, B.	L.C.C., Dagenham, Essex.
Low, J. J. D.	Derby Corporation Parks Dept.
Lowe, B. E.	Ilford Borough Council Parks Dept.
Martin, B. A.	University of London, Botanical Supply Unit, Elm Lodge, Englefield Green, Egham, Surrey.
Taylor, Miss J. L.	Royal Botanic Gardens, Kew.

OCTOBER INTAKE

Allen, J.	John Innes Inst., Bayfordbury.
Banbury, J. N.	Improver, Royal Botanic Gardens, Kew.
Dyke, D. J.	Liverpool Parks Dept.
Ganney, G. W.	Cambridge Botanic Garden.
Gunn, W. A. G.	Villa Taranto.
Hill, B. A.	Castleford Parks Dept.
Preston, W. T.	Wolverhampton Parks Dept.
Rover, Miss H. J.	Ecole Nationale de Horticulture, Versailles.
Simmons, J. B.	Ruislip Parks Dept.
Schilling, A. D.	Cambridge Botanic Garden.

NOTES AND GLEANINGS

"The chief object of the Guild is to 'watch' and record the careers of its members."
W. J. Bean.

* * *

AWARDS

Guild members will congratulate Mr. L. Stenning, our Hon. Treasurer, on being appointed a Member of the Order of the British Empire by H.M. The Queen, in recognition of his meritorious services to horticulture.

* * *

We congratulate Mr. T. H. Everett (1927). An Honorary M.Sc. degree has been conferred on him by Rutgers University, U.S.A.

* * *

We congratulate the following Kewites on their successes :—

NATIONAL DIPLOMA IN HORTICULTURE, 1959.

Final. Section VI. Horticulture in Public Parks :—

R. A. Bee (1953).

Intermediate :—

R. Kerr (1959) ; B. Carter (1959).

DIPLOMA OF INSTITUTE OF PARK ADMINISTRATION, 1959.

Final :—

H. P. Boddington (1951) ; A. P. Dunball (1953) ;

H. Hind (1956) ; G. C. Weighhill (1953).

Intermediate :—

M. S. F. Roberts (1954).

ARBORICULTURE CERTIFICATE.

R. Chuter (Foreman, Prop. Dept. Arboretum, Kew) ;

B. Adams (1959).

* * *

Miss S. Carter gained a degree of M.Sc. in Botany from the University of London.

Mr. P. F. Hunt gained a M.Sc. degree from the University of Southampton.

Dr. G. De Wolf was awarded the degree of Doctor of Philosophy by the University of Cambridge for his thesis dealing with the American species of *Ficus*.

* * *

We are sure that we have missed some but Kewites are so modest !

* * *

On the occasion of the International Grassland Congress which is to be held at Reading University on July 11th, the honorary degree of D.Sc. will be conferred at a special congregation on the Duke of Edinburgh (president of the congress) and to a few prominent scientists and experts including Mr. C. E. Hubbard, the Deputy Director of Kew.

NEWS FROM OVERSEAS

"The Journal's pages ought to be filled with items of news from members in all parts of the world."—W. Watson, 1896.

SOUTH AFRICA.

Major F. R. Long (1908) has retired from the editorship of the Journal of the Institute of Park Administration (South Africa). He has been Editor for the last ten years. F. R. Long started his career at Messrs. Hillier, Winchester, in 1900. He entered Kew in 1905 and, after three years, went out to Malaya as Superintendent of Government Plantations. In 1920 Long took up a post with the Parks Department of Port Elizabeth, S.A. When war broke out he joined the S.A. Air Force and became Major Long of the "Flying Farmers", a section which was responsible for the maintenance of over 200 aerodromes.

Major Long is a very keen Kewite and is a great supporter of the Guild and its Journal.

* * *

Mr. A. E. Werner (1943), who has been Curator at the National Botanic Gardens at Kirstenbosch since January, 1948, retired in December, 1959. He has been disabled since he badly injured his ankle in April, 1958, and he retired on medical advice. He intends to take up farming near East London.

When he became Curator of Kirstenbosch he was 36, and was the first South African to hold this post. We all wish Mr. Werner happiness in his new venture.

* * *

Mr. F. J. Cook (1921) retired from the post of Superintendent of Parks, Port Elizabeth, S.A., during 1959. In addition to Kew Mr. Cook trained at Cambridge Botanic Garden and at Kirstenbosch, Cape Town. He has been employed by the Port Elizabeth Municipality for nearly 30 years. The Mayor, Mr. Alfred Markman, and the Chairman of the Parks and Town Attractions Committee, Mr. Marchant Davies, paid tribute to Mr. Cook's service to the city at a mayoral farewell. It was attended by heads of departments and members of Mr. Cook's own department whom, the Mayor said, Mr. Cook had specially asked to be invited as his personal friends.

* * *

Mr. F. G. Stayner (1934) has left Port Elizabeth and is now Curator at Karov Garden, a branch of Kirstenbosch. Mr. Stayner's great knowledge of succulents and of the South African flora will be put to good use in his new post. He is specialising in *Gasteria spp.*

* * *

Mr. H. F. Davies (1938), late of the Cape Town Parks Department, is now on the staff of the National Botanical Gardens, Kirstenbosch.

Sixteen Port Elizabeth dignitaries drove out to Settlers' Park to plant trees at the Fred Holland Memorial—among them were Major F. R. Long (1908) and Mr. L. N. Prosser (1938).

The trees, all indigenous to South Africa included : —

Podocarpus henckelii (Yellow-wood).

Calodendron capensis (Cape Chestnut).

Kigelia pinnata.

Ilex mitis (Cape Holly).

Schotia brachypetala.

Widdringtonia juniperoides (Mountain Cypress).

Widdringtonia schwarzii

Combretum Sp.

Ocotea bullata (Black Stinkwood).

Cussonia paniculata.

Cussonia spicata.

This reserve, 211 acres in the centre of Port Elizabeth, is becoming a wonderful collection of S.A. Flora. Mr. Leslie Prosser, the Superintendent of Parks, Port Elizabeth, is most enthusiastic on this project. Major F. R. Long is Deputy Chairman of the Advisory Board and is recognised as "father" of the Reserve.

Three Old Kewites posed for the camera by the Fred Holland Memorial : —

F. R. Long (1908)—former Superintendent of Parks, Port Elizabeth, retired 1944.

F. J. Cook (1921)—former Superintendent of Parks, Port Elizabeth, retired 1959.

L. N. Prosser (1938)—present Superintendent of Parks, Port Elizabeth.

* * *

The Institute of Park Administration (S.A.) have commenced a course for a National Diploma in Horticulture in Park Administration (S.A.) in conjunction with the Pretoria Technical College. The course commenced with 10 candidates.

* * *

Kewites as Members of the Institute of Park Administration (South Africa).

Mr. A. V. Rippon has attained Associate Membership. He was presented with the Certificate at a meeting of the Natal Branch in April.

Mr. H. F. Werner (1943) was the Chairman for the Western Province Branch in 1959.

* * *

Mr. R. A. Dyer (1934), as Chief of the Division of Botany and Plant Pathology, has played a leading part in the formation and development of the National Herbarium Botanic Garden at Brummeria, Pretoria. The Gardens were opened by the Minister of Agriculture, The Hon. P. M. K. le Roux, on 23rd October, 1958.

NEW ZEALAND.

Mr. D. C. MacKenzie (1939), the Hon. Secretary of the New Zealand Branch of the Guild, gives this news of Kewites in that part of the Commonwealth :—

Mr. A. W. Anderson (1926), formerly Superintendent of Parks and Reserves, Timaru, is now retired.

Mr. M. J. Barrett (1914), has now retired from the position of Director of Parks and Reserves, Christchurch.

Mr. G. Dean (1937), who was formerly Assistant Director of Reserves, Auckland, is now Director of Parks and Reserves (Administrative), Auckland.

Mr. L. F. McElroy (1947) has relinquished his position as Lecturer in Horticulture at Lincoln Agricultural College.

Mr. D. D. Riach (1955) is now the Superintendent of Parks and Reserves, Masterton.

TASMANIA.

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Mr. A. Himson (1948) has resigned from the Papua and New Guinea Civil Service and is now an orchard owner in Tasmania.

* * *

UNITED STATES OF AMERICA.

Mr. Gordon Scott is now Director of a brand new botanical garden—The Tennessee Botanical Garden. It is being formed on an estate which was first laid out in 1929. The mansion on this estate has doors from a Grosvenor Square House while the stair-rail was taken from Queen Charlotte's Palace at Kew.

* * *

Mr. T. H. Everett (1927) has been appointed as Assistant Director of Horticulture at The New York Botanical Garden. Mr. Everett will continue as Curator of Education.

Mr. Everett came to the Garden in 1932 as Horticulturist, and in that capacity planned and developed the Thompson Memorial Rock Garden, the Iris Garden, the Chysanthemum, Annual and Perennial Borders, and other special plantings. He planned and executed many elaborate flower displays in the Conservatory and exhibits at the International and other flower shows. In 1954 the scope of his activity at The New York Botanical Garden was extended, and he was made Horticulturist and Curator of Education. Under his guidance, the Educational Programme at the Garden has been greatly expanded.

Mr. Everett is widely known as author, lecturer, and teacher. In 1952 he was granted the Founders' Award by the Garden Club of America for a three month tour of botanical gardens and private nurseries in the British Isles. He collected over 900 plants suitable for cultivation in American Gardens, including 300 new and rare varieties. Gradually these are being introduced.

His wealth of knowledge and broad experience has contributed substantially to the field of horticulture in the United States.

An honorary M.Sc. degree has been conferred on him by Rutgers University.

CANADA.

Miss Elizabeth Parkin (1959) has journeyed out to Canada where she is Head Gardener to the Local Authority at Regina, Saskatchewan. Miss Parkin is a true pioneer in this part of Canada, where ice and snow with temperatures well below zero predominate during the long winter. She writes—"Horticulture is very new here. The floral decorations have proved very popular and a surprising number took an interest in the display which we arranged for the Opening of Parliament in February, 1960."

Miss Parkin has already lectured and appeared on a television interview.

* * *

NOTES FROM SOUTHERN ONTARIO.

Kew students interested in crossing the Atlantic would no doubt be interested in a few observations from Southern Ontario. Contrary to popular believe the whole of Canada is not subject to sub-arctic weather. The southernmost tip of Ontario is in the same latitude as Northern California. Although latitude in itself does not mean very much, when the moderating influence of the Great Lakes is added, the resulting climate is quite equable.

I am located at a Government Experimental Station at Vineland, which is situated roughly mid-way between the Niagara Falls and Hamilton in the Niagara Peninsula. Regarding weather, in two winters I have not experienced a sub-zero temperature (Fahrenheit) at Vineland. However, when I ventured into the interior of the Province at Christmas I encountered a temperature of -36° F. It is interesting to note that a high proportion of the northern population is of Scandinavian origin. This fact has probably some connection with the relative temperature. The Niagara Peninsula is primarily a fruit growing area. Peaches, grapes, cherries and pome fruit are grown in great quantity, so much in fact that disposal is frequently a problem.

There is much in the native flora to interest the plantsman. In Spring the woodland floor is carpeted with choice plants as *Trillium grandiflorum* and the Dogs Tooth Violet, *Erythronium americanum*. Less common plants are the Virginia Bluebell, *Mertensia virginica*, and the White Dog Tooth Violet, *E. abidum*, both which grow in damp shady woods. The Cardinal Flower, *Lobelia cardinalis* is found, spending much of its life under water, and flowering in June when the soil is dry. One of the first plants to flower in the spring is the Aroid, *Symplocarpus foetidus*, with the descriptive common name of Skunk Cabbage. This plant sends up its meaty looking spathe in advance of the leaves and fills the air with an obnoxious odour. By contrast is the beautiful and rare *Cypripedium reginae*, the Showy Lady Slipper Orchid. Notable among the native trees is the Tulip Tree, *Liriodendron tulipifera*, reaching a height of over 100 feet. The Cucumber Tree, *Magnolia acuminata*, is also present, but unfortunately it is the least decorative of its genus. Another native tree, though it seems precarious, is

the North American Papaw, *Osimina triloba*. This exotic looking small tree bears an edible fruit and is grown for this purpose in some parts of the United States. These are just a few of the plants of an area which contains many species of great decorative value.

By way of conclusion I would like to make some points concerning emigration. There is a great potential in Canada for migrating horticulturists. A university degree is essential to make progress in Government employment, but in general the Kew training is well known and well thought of. As park systems develop there will be more and more openings available. At the present time there is widespread unemployment. Therefore it would be advisable for the intending traveller to obtain a position before leaving Britain. If this is not done he might have to take some kind of temporary job until something suitable is found.

R. R. FORSTER (1957).

* * *
AUSTRALIA.

Mr. S. F. Bird (1959) has gone out to N.S.W., Australia, where he is working on a general nursery.

Mr. J. G. Anderson, who worked in the Temperate House in 1952/53, is now a Fruit Inspector in the New South Wales Department of Agriculture. He is at present stationed at Mascot, nr. Sydney.

* * *
BERMUDA.

Attending Mr. D. Moore's (1956) wedding in Bermuda on 1st October, 1959, to Miss K. M. Mortimer were three Kewites—Mr. G. R. Groves (1937) representing the bridegroom's father, Mr. J. H. Jones (1956) as best man, and Mr. R. Thomas (1958) as the usher.

* * *
Mr. D. Moore (1956), on leave from Bermuda, lectured to the Mutual Society on 2nd November, 1959. His subject was "Gardening in Bermuda." Mr. Moore is employed as Re-Afforestation Officer on the islands.

* * *
MALAYA.

Mr. Ian Wilkinson (1956) was home on leave from Malaya during the winter months 1959/60. On the 11th January, 1960, he gave a lecture to the Mutual Society titled "The Cultivation of Rubber in Malaya." He illustrated his lecture with an excellent selection of slides. Mr. Wilkinson is employed by the Oriental Estate Agency.

* * *
ITALY.

Mr. H. R. Cocker (1933) has retired from his post at Villa Taranto, Pallanza, Italy. He has started as a garden consultant, with his headquarters in Venice.

EDUCATION NEWS

Mr. A. J. Porter (1959) intends to become a Rural Science Teacher and entered the Worcester Training College in September, 1959. From January until August he studied General Science at Ashford Technical College, Kent.

* * *

Mr. A. P. Patterson (1958) has completed a course at the City of Bath Training College and has taken a teaching post with the Hampshire County Council at Fareham Secondary Modern School.

* * *

Mr. L. Pemberton (1954), has returned to the Staff of the Kent Horticultural Institute and is a Lecturer in Horticulture. Mr. Pemberton is responsible for nursery practice tuition and is also engaged with the day release classes held at the Institute.

* * *

THE HOME PARKS

INSTITUTE OF PARKS ADMINISTRATION.

The President for 1958-59 was Mr. C. R. Stock, F.Inst.P.A., Superintendent of the Borough of Beckenham. Charles Robert Stock, after a rich and varied experience was appointed, in 1939, as the first designated chief officer responsible as Parks Superintendent to the Borough of Beckenham. Under his leadership the department has created a considerable number of playing fields, tennis courts and bowling greens.

Mr. Stock is one of the pioneers of play leadership and he represents the Institute on the British Standards Institution Committee for playground equipment, and serves on the Play Leadership and Playground Committees of the National Playing Fields Association. He also represents the Institute on the Joint ad hoc Committee on Play Leadership formed by the Institute of the N.P.F.A. Mr. Stock is a keen horticulturist and has created many fine features which have been designed for the interested amateur in addition to the professional.

Mr. Stock has served on the Council of the Institute since 1936 (9 years after leaving Kew) and as London Branch Secretary/Treasurer from that year until 1945, when he was elected to Honorary Treasurership of the Institute, in which capacity he served for seven years. He was a prime mover in the formation of the South-Eastern Branch, of which he was Chairman in 1955-56.

The Officers and Council for 1958-59 also included Mr. P. W. H. Conn (1923) as Immediate Past President, Mr. W. W. McKenzie (1935)—Scotland and Northern Ireland District Branch, Mr. P. F. McCormack (1936)—North Western District Branch, Mr. E. W. B. Gale (1932)—Southern District Branch, Mr. T. E. Clark (1924) and Mr. F. H. Eul (1935)—Members elected by Council and Mr. W. M. Campbell—Journal of Park Administration.

Mr. C. R. Stock, the Superintendent of Parks, Beckenham, has described his department in the September, 1959, issue of the Institute of Parks Administration Journal. Many of us who know this Borough think at once of Kelsey Park—with the river, lakes and specimen trees set in grass, an ideal spot is provided for those who seek shelter and rest from the hustle of life and whirl and noise of this modern age. Among the many other parks and open spaces in this Borough, Mr. Stock describes Well Wood. Half of this area of unspoilt woodland (in all it is 43 acres), is enclosed as a bird sanctuary and is open to the public under permit. It is thought to be the nearest point to London at which the Butchers Broom, *Ruscus aculeatus*, is still recorded in its wild state. Among the other interesting plants found here are *Adoxa moschatellina*, *Listera ovata*, *Helleborine latifolia*, *Orchis mascula* and *Orchis maculata*.

* * *

Two Kewites have contributed important viewpoints in the December, 1959, issue of the Journal of the Institute of Parks Administration.

Mr. W. Nelmes (1938) has written in *Modern Parks Design*. In his concluding phrases he writes: "Public parks are for large numbers of people of varying tastes, and it is inadvisable and undesirable to design them on the principles used in laying out of private gardens. In having to cater for crowds they present a relatively new problem in our history and, therefore, they should not be an imitation of gardens laid out for quite different purposes, but should evolve a style of their own."

Mr. C. L. Richardson (1949) has presented the Part 1 of his writings on Ornithological Attractions in Public Parks. It is hoped that these articles "will incite thought on the many ways in which the inclusion of such attractions would add to the material and aesthetic pleasure of the park scene."

Mr. W. Howell (1925) has, in the February, March and May, 1959 issue of the Journal of the Institute of Parks Administration, given summaries of three of the Early Writings on Grasses— "Miscellaneous Tracts" by Benjamin Stellingfleet (Second Edition MDCCLXII); "Practical Observations on the British Grasses" by William Curtis (Fifth Edition 1812), and "Hortus Gramineus Woburensis" by George Sinclair.

* * *

Mr. R. C. McMillan (1928), Director of Parks, Manchester, is President-Elect of the Institute of Parks Administration during 1959-60. Mr. A. Edwards (1930) is Vice-President for this period.

* * *

During the course of the Institute's Reception at this conference, Mr. and Mrs. Stock attended a presentation convened by eight men who had served under Mr. Stock during their careers. The actual presentation was enacted by Mr. W. Howell (1925)—it was Sir Winston Churchill's "History of the English Speaking Peoples." A bookplate accompanied this gift; it was inscribed—

“Presented to Mr. C. R. Stock to commemorate his year of office as President of the Institute of Park Administration 1958-59 by the undersigned, in appreciation of a happy working association.” Beneath were the signatures of fourteen members of the Institute, thirteen of whom worked with Mr. Stock at Beckenham. Among the signatories were Messrs. D. A. Brown (1950), Supt. of Pudsey; L. C. Hendon (1928), Supt. of Exmouth; W. Howell (1925), Dep. Supt. of Beckenham; J. G. Medcalf (1948), Supt., Housing Dept., Harlow; H. J. Kruger (1946), Supt. of Barry; and A. Woodward (1947), Supt. of Richmond. Mrs. Stock was presented with a pair of pictures.

* * *

Mr. E. J. H. Coward (1932) has written an account of the Isle of Man in the April issue of the Park Administration Journal, April, 1959. He describes the island's history, its customs, and the important public gardens. Douglas, he pointed out, the capital of the island, is the only town which has an established Parks Department. Describing the Marine Gardens overlooking the lovely Loch Promenade he writes that “despite the tremendous battle each winter with the high seas, these gardens provide a riot of colour during the summer, a feature being the gazanias and mesembryanthemums which do extremely well in these conditions. (We thank the Editor of The Journal of The Institute of Park Administration for the above news items.)

* * *

Mr. J. G. Fleming (1957) has been appointed Technical Assistant to the Rochdale Parks Department. He served his apprenticeship with Derby Parks Department before coming to Kew. He passed through the I.P.A. School at The Grotto, gaining a credit pass. He afterwards returned to Derby Park Department as a Foreman.

Mr. E. Ainslie (1949) is now Head Gardener at Southend Parks Department.

Mr. D. C. Hollis (1946) was appointed as Deputy Superintendent of Wandsworth Borough Parks Department in January, 1956.

Mr. A. M. Melles (1950) has been appointed as Horticultural Superintendent to the Cambrian Development Corporation.

Mr. Alan Pedley (1959) is employed as Propagator to the Paddington Borough Council. He is actively responsible for the production of plants for the whole Borough.

Mr. I. Hughes (1951) holds the post of Area Parks and Cemeteries Foreman to the Borough of Bebington in Cheshire.

Mr. W. Bury (1949) moved in August, 1959, from Grange-over-Sands to become Assistant Parks and Cemetery Superintendent at Barrow-in-Furness.

Mr. H. R. Horsfall (1958), who attended the course at The Grotto (Inst. of Park Admin. School) during 1959, took up an appointment as Technical Assistant to the Borough of Beckenham on 1st January, 1960.

Mr. A. P. Dunball (1953) is now Deputy Superintendent of Southgate.

Mr. T. Elton (1956) is propagator with Wolverhampton Parks Department. He took this appointment in 1958.

Mr. J. G. Medcalf (1948) was appointed as Landscape Superintendent to the Harlow Corporation and took up his duties in April, 1959.

Mr. G. Crowder (1955) now holds the post of Deputy Park Superintendent at Warrington. He moved to his new post in December, 1959.

Mr. J. Halhead (1954), who is Nursery Manager with the Redcar Parks Department, reports that they are about to commence work on the first stage in the construction of a 44-acre field. Additional glass and potting sheds, etc., are also being constructed.

Mr. M. R. Heaster, who was formerly an apprentice at Kew, was appointed in July, 1959, as Parks Superintendent to the Borough of Malden and Coombe, Surrey.

Mr. H. Blowfield (1946), Assistant Parks Superintendent of Carshalton Urban District Council, has been appointed Parks Superintendent of Coulsdon and Purley Urban District Council. Before holding office at Carshalton he was Assistant Parks Superintendent of Oldbury Borough. Mr. Blowfield started his horticultural career at the Hertfordshire Institute of Agriculture, Oaklands, St. Albans.

Mr. D. A. Brown (1950) was appointed as Parks Superintendent of Pudsey during the autumn of 1959.

Mr. J. McCartan (1948), the Parks Superintendent for Rhyl Urban District Council, now has a "Floral Hall" in his department. The house is 212 ft. long, 25 ft. high and 42 ft. wide. It is built of aluminium alloy, pylumined and stove enamelled, a process intended to prevent surface erosion.

Mr. R. A. Bee (1953), who was Technical Assistant to Bournemouth Parks Department, is now Parks Superintendent in the Metropolitan Borough of Lewisham.

Mr. M. S. F. Roberts (1954), is Nursery Supervisor to Swansea Parks Department.

Mr. W. Howell (1925), Deputy Parks Superintendent at Beckenham, was elected President of the Beckenham Branch of N.A.L.G.O. for 1959.

Mr. J. H. Scott has been appointed as Area Foreman to Watford Parks Dept. from January, 1960.

KEW'S APPOINTMENTS, TRANSFERS AND RETIREMENTS

Mr. "Ted" Smith retired in August, 1959, after 31 years of service at Kew. He was awarded the Imperial Service Medal just after he retired. "Ted" is a classical scholar, a mathematician and a gardener—a very rare combination. There could be no greater lover of Kew—his friends recognised this when they presented him with a copy of Dr. Turrill's book upon Kew on his leaving.

Miss C. I. Dickinson retired on 31st May, 1959, after 31 years on the Kew Staff, during most of which time she has been engaged on work on the marine Algae.

Mr. Gerald Atkinson retired on 31st May, 1959, after nearly 37 years as Artist and Photographer at Kew. During a farewell ceremony the Director, on behalf of the staff, presented Mr. Atkinson with a 2" x 2" slide projector.

Mr. George Gardner retired on December 24th, 1959, after 33 years of service in the Gardens. Many Kewites will remember Mr. Gardner as the Foreman of the "Botanics" (now Arboretum North). At a ceremony in the Library, attended by the Assistant Curators and Foremen, the Curator made a presentation of a pair of secateurs, a hand-fork and trowel on behalf of those present.

Dr. N. L. Bor retired from the position of Assistant Director on 31st March, 1959, after almost eleven years in office. Kewites will wish Dr. Bor, who has taken a great interest in Kew and all its activities, many happy years of retirement. Dr. Bor continues his scientific work in the Herbarium.

* * *

Mr. J. H. Crossman, who was the Establishment Officer at Kew from 1957 to 1959, has been transferred to Agricultural Economics Division of the Ministry of Agriculture, Fisheries and Food, Soho Square.

* * *

Mr. C. E. Hubbard was appointed Deputy Director with the Rank of Deputy Chief Scientific Officer from 1st April, 1959.

Mr. E. W. B. H. Milne-Redhead was appointed as Deputy Keeper of the Herbarium and the Library with the rank of Senior Principal Scientific Officer from 1st April, 1959.

Mr. R. W. King of the Establishment Department, M.A.F.F., has been transferred to Kew to take up the new post of Secretary at the Director's Office.

Mr. S. J. Williamson has joined the Director's Office Staff as Executive Officer.

* * *

Mr. Ian Beyer (1957) has been appointed as a Foreman in the Alpine and Herbaceous Department. This is an additional post. Mr. Beyer, who took up his duties in January, 1960, will be responsible in the Rock Garden and outside beds, leaving Mr. A. Cook as Foreman of the Propagation Section of this Department.

Mr. R. Rule (1958) has returned to Kew and has joined the Orchid Department.

Mr. F. J. Sadler was appointed as Foreman in the Arboretum North Department in August, 1959.

Dr. N. K. B. Robson was promoted to the rank of Senior Scientific Officer (Colonial Office) with effect from 1st August, 1959.

Messrs. L. L. Forman and F. N. Hepper were promoted to the acting rank of Senior Scientific Officer with effect from 1st November, 1959.

Dr. G. P. De Wolf, of the Botany School, Cambridge, was appointed a Senior Scientific Officer by the Colonial Office to assist in the preparation of the Flora of Tropical East Africa from January, 1959.

Mr. J. R. Sealy has been placed in charge of a new section in the Herbarium relating to Cultivated Plants. He will deal with all matters concerning the taxonomy and determination of plants cultivated in the British Isles.

* * *

GARDENS NEWS

The Queen's Cottage was opened to the public on Saturdays and Sundays for the first time during the summer of 1959. The building has been extensively redecorated and furnished with period pieces.

* * *

To commemorate the bicentenary of the Royal Botanic Gardens, which were established by Princess Augusta of Saxe-Gotha in 1759, a kneeler was designed and worked in a variety of stitches by Miss Audrey Barton, a member of the Curator's staff. This was presented to St. Anne's Church, Kew, and formally dedicated by the Rev. C. D. Pronger at the evening service on 13th December, 1959.

The panels depict the Orangery erected for Princess Augusta, orange trees cultivated in tubs, and the symbolic orange blossom. The escutcheon inscribed with the letter A is copied from one of the shields placed above the doors by William IV in grateful remembrance of the Princess Augusta of Wales, "who laid the foundation of all the surrounding scenes."

It is refreshing in this plastic and cheap chromium plated age to learn of an original and creative work. Both the design and the working was carried out by Miss Barton—this is a rare achievement for one person.

“THE KEW BADGER” : —

After a period of forty-four years badgers have again made an attempt to establish a burrow within the Gardens. The last serious attempt appears to have been made over the years 1912-1914 when, during the latter year, a male was actually dug out from

its burrow beneath a rhododendron clump in the Queen's Cottage Grounds. (*Journal of the Kew Guild*, Vol. III, No. XXII, 1915, page 217).

The first reports of activity by these quiet and retiring animals were from witnesses who had actually seen badger-like creatures during the summer nights of 1959. As in 1912—"Some doubt was entertained at first whether there really was a badger." However, their workings were found beneath a rhododendron clump behind the Stables. Hairs were found at the hole entrances, and were identified by experts of the Royal Zoological Society as being badger hairs.

Almost as soon as they were identified, the animals vacated their working. However there is reason to believe that they are frequenting the remoter parts of the Queen's Cottage Grounds.

* * *

During the summer of 1959 the large circular bed at the Palm House end of Broad Walk was planted with a mixed collection of Cacti and other Succulents. The feature proved such a source of interest to visitors that the grass surround was badly worn and needed a complete renewal in the autumn.

The "switch-over" from coke to oil as fuel for the glasshouse boilers has continued. The Tropical Pits stoke-hole was converted during the summer of 1959.

The reconstruction and development of the northern end of the Rock Garden has continued. The extensions have brought the feature on to the edge of the path which runs on the southern side of the Iris Garden.

A valuable collection of orchids were presented to Kew by Lady Harrison Hughes, widow of Sir Thomas Harrison Hughes who died, aged 77, in the autumn of 1958. Sir Thomas, who was a member of the Suez Canal Board from 1920 and was a Vice-President from 1932, was a ship owner. The collection, which was transferred during May, 1959, contained about 3,000 plants. They were grown at Eddington House, near Hungerford.

The Royal Horticultural Society Lily Conference was held during the early part of July, 1959. About 50 members of the conference visited Kew on the afternoon of 8th July. They saw lilies in cultivation and an exhibit of bulbs, fruits, seed and paintings of these plants.

* * *

"Open Day" for students and other visitors was held on Saturday, 30th May, 1959. An extensive series of exhibits was arranged in the three wings of the Herbarium and in the Library, as an introduction to Kew's many contributions to our knowledge of all branches of botanical science.

His Royal Highness Prince Philip, Duke of Edinburgh, visited the exhibits on 2nd June, 1959, during the Bicentenary Celebrations.

The staff were able to invite their relatives and friends to a preview of the exhibits on the afternoon of 29th May.

Twenty-eight members of the Science Masters Association visited the Herbarium and Library on 1st January, 1959. They were most interested in the collections and work of the establishment.

* * *

Miss M. I. Skan has completed 40 years of devoted service to Kew. Miss Skan joined the staff on the 15th January, 1919, and after a few years commenced her long association with the "Index Kewensis," having assisted in the preparation of the last six supplements.

The "Index Kewensis" is a work containing the names of all genera and species of flowering plants from the date of publication (1753) of Linnaeus's "Species Plantarum," the starting point of modern plant nomenclature. There are now 12 supplements, the last issued in April containing nearly 20,500 names.

Dr. N. K. B. Robson returned on 1st April, 1959, from his collecting expedition to Rhodesia and Nyasaland. After spending 17 days in Salisbury and the Inyanga-Umtali region of S. Rhodesia he went to N. Rhodesia, where he visited most part of the Eastern Province and spent short periods at Abercorn (N. Prov.), M. Makulu (Central Prov.), Kitwe (W. Prov.), and also Kariba and the Gwembe Valley (S. Prov.). Subsequently he proceeded to Nyasaland and collected throughout the Central Province, also visiting Zomba and L. Chirwa (S. Prov.) and several parts of the Northern Province. He collected a total of 1,753 numbers.

Dr. C. R. Metcalf visited the West Indies during the early months of 1959. He visited the Imperial College of Tropical Agriculture in Trinidad, where he collected material of monocotyledons for his account of their anatomy.

The IX International Botanical Congress was held in Montreal in August, 1959. Kew was represented by the Director, Mr. C. E. Hubbard, Dr. C. R. Metcalfe and Mr. A. A. Bullock.

During August Dr. C. R. Metcalfe visited the Botanical Departments of Harvard (Cambridge) and Yale (New Haven) Universities and also the Arnold Arboretum, after he attended the Botanical Congress at Montreal.

The Director flew to Nairobi during the autumn of 1959 to visit various botanical, forestry and agricultural organisations and institutions in Kenya and Uganda, as representative of the Secretary of State for the Colonies.

OLD KEWITES RETIRED?—NO!—

(No Kewite has ever been known to retire)

One of the interesting letters received during the year was from H. E. Gutteridge (1899). He was in charge of the Cactus House at Kew for six months when he moved to the Palm House. At 88 years Mr. Gutteridge is in good health and remains a keen gardener.

Mr. A. E. Oliver (1902), sending his new address at Belfast, regretted that owing to ill health he has been unable to visit Kew lately. We wish you better health Mr. Oliver. Readers will be interested to learn that, in addition to being born at Isleworth with schooling at Brentford, your first recollection is going to Kew with your parents over 75 years ago.

Mr. R. F. Williams (1936), who was Executive Officer in the Gardens when he left Kew nearly 23 years ago, retired from the Air Ministry in June, 1958. He was at Kew for 14½ years. Mr. Williams, in a recent letter, stated that he has much to occupy him in the garden.

Mr. F. S. Banfield (1927) has returned to England from Australia. Despite a recent illness and his doctor's advice that he should live in a warmer climate, Mr. Banfield has responded to an urge to live in these islands.

Mr. L. Buss (1924) has retired to live in a bungalow at Smarden, nr. Ashford, Kent. Mr. Buss spent 34 years at the School of Agriculture, Durham, where he started as Assistant Instructor to retire as Deputy Principal.

To quote, Mr. Buss states in a recent letter that he has "really come home to roost as I was born a few hundred yards down the street and, as I write, I can gaze out of the window at my old village school." He also writes that—"after years of commercial production, etc., it is nice to have time to keep the greenhouse Kew fashion."

We wish Mr. and Mrs. Buss many happy years of retirement.

* * *

Dr. W. B. Turrill gave a lecture on "The Royal Botanic Gardens, Kew—Past and Present" in the Royal Horticultural Society's New Hall at Vincent Square on 10th February, 1959. Sir Eric Savill was in the chair. This lecture was published in the Journal of the Royal Horticultural Society, June, 1959.

OTHER IMPORTANT ITEMS

Mr. T. Dunball (1953) acted as best man at the marriage of T. Risely (1958) to Miss M. Perkins. Several other Old Kewites were also present: Messrs. A. Hart (1958), A. Patterson (1958), M. Clift (1958), T. Sutcliffe (1958), D. Clark (1955), K. Toft (Student) and A. Pierce (Student). The cake was shaped in the form of Pagoda Vista.

Mr. F. P. Knight (1929), Director of the R.H.S. Gardens, Wisley, gave a lecture at the R.H.S. Hall on 21st April, 1959, upon lilacs. Mr. Knight is a recognised authority on these plants.

* * *

Mr. H. Overeynder (1958) is now employed by T. Sherards & Sons, Newbury. He has taken charge of a nursery of Daffodils, Trees and Shrubs.

* * *

Mr. J. O. Shea (1957) is at present gaining further experience in the Sales Department of Messrs. John Waterer, Sons & Crisp, Ltd.

* * *

W. A. G. Gunn, a student at Kew, has written a series of two articles in the Journal of the Institute of Park Administration (S. Africa), December, 1959, and January, 1960. The articles are titled—"My Impressions of the Gardens at Villa Taranto, Italy." Mr. Gunn was a Horticultural Pupil, Johannesburg Parks and Community Services Department and he spent 16 months at Villa Taranto before proceeding to Kew. He is the son of Mr. Alistair Findlay Gunn who left Kew in 1932.

* * *

Mr. S. A. Pearce contributed an article entitled "Magnolias at Kew" in the September, 1959, issue of the Journal of the Royal Horticultural Society (Vol. LXXXIV, part nine, page 418). All of Kew's famous specimens are described and some are illustrated—a fine record of the world's best collection.

* * *

Mr. G. E. Collins (1955), formerly Head Gardener at Tresco Abbey, Isle of Scilly, was appointed Curator of the Birmingham Botanical and Horticultural Society's garden at Edgbaston in September, 1959.

* * *

The man who has done as much as anyone to brighten Manchester, Mr. R. C. McMillan (1928), Parks Director, said—"My wish is always the same, to hear visitors to the City saying what a lovely place Manchester is.

"Since I came here I have tried to make it brighter and more colourful with trees, shrubs, flowers and plants, and I think I have had some success but not as much as I want."

(Evening Chronicle, 30/12/58).

A valuable collection of Sir William Hooker's letters, diaries, note-books and paintings was presented to Kew by Mrs. Stewart, a grand-daughter of Sir William Thiselton-Dyer. Among these was a newspaper cutting of a letter which referred to the petitions for the earlier opening of the Gardens. We thought that a copy of this letter would interest readers:—

FUNNY FOLKS.

[SATURDAY, MAY 25, 1878.]

THE KEW QUESTION, AND HOW I ANSWERED IT.

[From our Special Answerer.]

Having heard much of the terrible results that would ensue were Kew Gardens to be opened to the British public in the morning, I determined to see for myself the present state of things inside the gates between ten a.m. and one p.m. I accordingly disguised myself as a German botanist, stuffed my pockets full of dried herbs, put on a pair of blue spectacles and a stoop, and having obtained a special order from Sir Joseph Hooker, went down on one of the beautiful mornings we had last week nominally to take notes of the "blending of the pistils in the indehiscent varieties of monothalamic fruits."

Having carefully brushed my hat the wrong way, and black-lead-pencilled my nails on the journey down, I was received with great deference by two assistant gardeners and directed to monothalamic fruit-house.

On my way, I walked all over the open part of the gardens, and the result was that I came across in all forty-one individuals—of whom thirteen were gardeners, or labourers, merely weeding or bedding out, or some thing of that sort. Of the rest, no less than nine were favoured young ladies—perhaps relations of the director and his staff—who were most comfortably ensconced on snug seats, reading novels from Mudie's, and who, of course, would be very indignant at being interrupted by the public. The number mentioned also included five aged gentlemen, who may have been eminent botanists, but who were most certainly fast asleep in garden-chairs; eleven other gentlemen, not aged and not asleep, but all apparently engaged in testing the effect of cigar smoke on open-air evergreens; and three foreign *savans*, sitting in solemn silence round a small shrub, and examining its buds in turn with a magnifying-glass.

I did not trouble to look into the hothouses and other buildings, since the rapacious public does not even dare to ask for these to be thrown open all day for its selfish satisfaction. But I had seen quite enough, sir, to feel assured that the unreasonable wish of the four million inhabitants of this great city would never be granted. And I should think not, indeed!

What, sir! are nine young ladies accustomed to read their novels in sweet quiet, only pleasantly disturbed by the occasional advent of some of the fumigating young men, to be ruthlessly driven from their seats? Are the five aged gentlemen used to bask in the morning sun and sleep, unannoyed by noisy multitudes, to be deprived of their open-air nap? Are thirteen gardeners, who now work in solitude, to be subject to the searching eye of the thousands who help to pay for them? And are the three foreign *savans* who honour Kew with their presence to be subjected to the noise of a British crowd? Of course, sir, the answer, which I will not delay till next week, is, "Never! Never!! Never!!!" And really, after seeing what I have told you, I am amazed that the public has had the impudence to dare to suggest an arrangement which would result in such widespread inconvenience and annoyance.

If you have enjoyed Notes and Gleanings please send your news to the Editor.

Editor's Address :—

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Indices are being prepared for the last two volumes of the *Kew Guild Journal*—Volumes VI (1940-49) and VII (1950-59).

In order to give some indication of the number required would those members who are interested please notify the Editor by November 30th, 1960.

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Hon. Editor's Address—

No. 1 The Cottage, Kew Palace, Royal Botanic Gardens, Kew, Richmond, Surrey.

In Memoriam

*Whereof the man, that with me trod
This planet, was a noble type
Appearing ere the times were ripe.
That friend of mine who lives in God.*

Alfred, Lord Tennyson.

WILLIAM DALLIMORE

“Upon whose suggestion *The Kew Guild* originated.”

Kewites in many parts of the world will learn with regret of the death of William Dallimore at his home near Tonbridge in Kent on the 7th November, 1959, in his 89th year. His death was very sudden. On the previous day he had been working happily in his garden, planting some new roses he had acquired. It is now nearly 24 years since he officially retired from Kew and went to live in Kent. Previously to his retirement every student coming to Kew, over a period of about 45 years, soon got to know Dallimore either through his work or through his stimulating student lectures which he gave for so many years.

He was born at Tardebrigge, near Bromsgrove in Worcestershire on 31st March, 1871. Quite a number of people took him to be a Yorkshireman. He had three brothers. Two went into Holy Orders and one qualified as a medical practitioner. As a youth Dallimore had thought of becoming a nurseryman on his own account and with this idea in mind spent three years with Charles Rylance of Aughton, Ormskirk, a well known grower and exhibitor of pelargoniums and dahlias at that time. He then worked for two and a half years in the nurseries of Messrs. James Dickson and Sons, Chester, where he gained valuable experience in nursery work and propagation. His next move was to work in a good private garden (Calveley Hall, Tarporley—where he first met his wife) before coming to Kew as a student in February, 1891.

On commencing at Kew he first worked in the Palm House and the tropical pits and moved to the Arboretum in 1892. He had charge of the Temperate House for a time (1896-1901) and in 1901 was given charge of the Arboretum. It was with trees and shrubs, that he loved and understood so well, that he was later to make his mark in the horticultural world. His wide experience with trees and shrubs in his early years, combined with keen powers of observation, a good memory, and aptitude for hard work, enabled him to build up a remarkable knowledge of woody plants. For the best part of half a century he was in fact regarded as one of the leading authorities in the country on trees and shrubs and their cultivation. He maintained his full mental powers up to the end of his long life. He devoted special attention to the Conifers and his *Handbook of Coniferae*, written in collaboration with A. Bruce Jackson, first appeared in 1923. It has remained a standard work. Both authors were awarded the Veitch Memorial

Medal in recognition of this work. Dallimore played an important part in the running of the Conifer Conference held by the Royal Horticultural Society in 1931 and received the V.M.H. in the same year. He was President of the Society of Foresters of Great Britain in 1934 and was awarded the Imperial Service Order in June, 1935.

One of Dallimore's notable achievements was the tremendous part he played in starting and developing the National Pinetum at Bedgebury in Kent, a joint undertaking on the part of Kew and the Forestry Commission, commenced in 1925. The fine specimens of pines and other Conifers now to be seen at Bedgebury constitute a fitting, living memorial to him. He supervised the raising of these trees from seed in many instances. One of the main thoroughfares in the Pinetum has in fact been named Dallimore Avenue. He continued to act in an advisory capacity in connection with Bedgebury and served on the management committee up to the time of his death.

At Kew Dallimore ceased to have charge of the Aboretum in 1909 when he was transferred to the Museum staff, this being to his financial advantage. His first task was to initiate and build up a Museum of British Forestry (now the Wood Museum). His knowledge of arboriculture and forestry was of great assistance to him in this. He became Keeper of the Museums of Economic Botany in 1926. His published works include two other books, one on *Holly, Yew and Box* and one on *Pruning*; also numerous articles in horticultural, botanical and forestry journals.

The Kew Guild came into being in the early 1890's, largely as a result of Dallimore's initiative and energy, combined with that of a kindred spirit and fellow student G. H. Krumbiegel, who later spent his life working in India. Dallimore himself was elected President of the Kew Guild in 1926 and always took a keen interest in its activities and welfare.

Dallimore had other interests besides plants. He was a keen amateur entomologist, being interested particularly in the insects attacking woody plants and timber. For many years he was an enthusiastic bowls player, being one of the mainstays of the bowling club run in conjunction with the tennis club at Kew at one time. He was also a sidesman and later a church warden at the Kew Parish Church. With his keen sense of humour and his amusing narratives he was always a popular figure. His two daughters, Kathleen and Edith, survive him.

DR. F. N. HOWES.

(The Memoirs of William Dallimore will be continued in the following issue.—Ed.).

MISS GERTRUDE COPE

Miss Gertrude Cope, N.D.H., one of the oldest members of the Kew Guild, died peacefully in her sleep on the morning of January 28th, 1959, at her home in Chandlers Ford, Hampshire.

Miss Cope was 83 and was one of the first Girl Students to enter Kew. As a pioneer Girl Student it was an achievement to overcome the prejudices of the day and enter the male stronghold of Kew. When, together with Mrs. Patterson and Mrs. Eleanor Shewell these young girls followed the familiar trail through herbaceous grounds, tropical ferneries and "Melon Yard" etc., it is understood that the Director of the day insisted that they must be dressed as boys. Miss Cope was, I believe, the first woman to pass for the N.D.H. Exam., the first time it was held. On leaving Kew, Miss Cope went to work at George Cadbury's, The Manor House, Northfield, and became Head Gardener. After 20 years here, Miss Cope left to enter commercial horticulture in a Market Garden of her own at Chandlers Ford in Hampshire.

Miss Cope was a remarkable and talented woman, well loved and respected by all who knew her. She took a lively interest in local affairs and devoted much of her life to the well being of young people in Boys and Girls Clubs, Boy Scouts and other social work. Although crippled with arthritis in the last few years she maintained a close association with the local Gardeners Club and Women's Institute.

As a pupil to whom Miss Cope so patiently taught the art of gardening, in her passing I have much to mourn.

FRANK L. SIMMONDS.

MRS. SHEWELL (Eleanor Morland)

Mrs. Shewell (née Morland) died on March 24th, 1959, at the age of 84.

Eleanor Morland, daughter of John Morland, J.P., and Mary Morland, was born on October 12th, 1874. She lived the early part of her life at Glastonbury, Somerset. That beautiful part of the country led to many botanising walks and to a great love of nature. She was educated at The Mount School, York, from 1889 to 1892. Her entry into Kew was in 1896 at the age of 21. There followed in 1899 a period of teaching in Swanley Horticultural College. Later, upon leaving, she did much planning in her father's beautiful garden and worked in an uncle's garden nearby.

Her marriage to Mr. Joseph Bernard Shewell took place in May, 1906. They lived for many years near Birmingham. There were two sons and three daughters. Their elder son, John, was shot down and killed over Germany in 1942.

In 1949 Mr. and Mrs. Shewell moved to Alcester in Warwickshire. There the garden was a great delight to her and her many friends. Their Golden Wedding was celebrated in 1956 with both the children and grandchildren present.

We offer our sincere sympathy to Mr. Shewell and to their son and daughters.

Ed.

A TRIBUTE TO THE FIRST LADY GARDENERS

"Their very memory is fair and bright"

Upon learning of the passing of Miss Gertrude Cope and Mrs. Shewell (Eleanor Morland) many must remember these two ladies and the late Mrs. Patterson (Alice Hutchings) as "three of the first Lady Gardeners to be employed at Kew." In the words of Mr. Patterson, husband to Alice Hutchings—"the girls had a hard time in the early days, quite different to that given to women in the two wars."

During their stay at Kew a photograph was taken of the three lady gardeners. It was taken in 1898. Mr. Shewell, husband to Eleanor Morland writes—"So as not to be conspicuous the girls were taken on the condition that they wore knicker suits like boys and the photograph we have shows how well this 'make-up' looked."

For many years a copy of this photograph has been hanging in the Curator's Office and within these pages is a reproduction which we feel will interest all Kewites, "past, present and future." This interest will surely spring from a feeling of pride in their spirit and achievements.

Annie W. Gulvin and Alice Hutchings were actually the first two in 1896. A portrait of Miss Gulvin appeared in the 1898 issue (Vol. 1, No. VI).

L. G. GODSEFF

It is reported with regret that Mr. L. G. Godseff (1901) died on 3rd May, 1959, on his return home from a four-month trip to South Africa and India. Mr. Godseff lived with his son, Mr. Eric G. Godseff (1928), Birkenhead Parks Superintendent.

Mr. Godseff left St. Albans Grammar School to work at Waddesden Manor, the estate of Baron Rothschild. Later he gained experience of nursery work in this country and in France and Germany.

He entered the service of the Liverpool Corporation in 1904 and held several posts as Superintendent at Calderstone Estate, Bowring Estate, and Greenbank Estate. During this period he laid out the Municipal Golf Course at the Bowring Estate, the Rose Garden at Calderstones and the layout and planting of the Greenbank Estate. In 1909 he was appointed Superintendent of the Anfield and Allerton Cemeteries, later becoming Chief Superintendent of Cemeteries and Superintendent of Street and Boulevard planting. Finally in 1936 he was appointed Chief Superintendent of Parks and Gardens, Liverpool. *Journal of Park Administration*

R. R. HAYES

It is with deep regret that we record the passing of Robert R. Hayes in the Westmorland County Hospital at the age of 65. He had been troubled with chronic bronchitis through being the victim of mustard gas in the First World War.

Until his death Mr. Hayes was an active partner of the firm of T. R. Hayes and Sons, Ambleside, Westmorland. Mr. T. R. Hayes, the father of R. R. Hayes was the founder of the business at Keswick in Cumberland. Thus young Dick Hayes, as he was then known, came to travel to most of the shows up and down the country at a very early age. Following an education at Keswick School, Mr. Hayes went to an art school at Stratford-on-Avon, where he made a special study of plan drawing. A period of practical work among alpinists followed with Pritchards of Christchurch, Hants.

At the age of twenty he entered Kew as a student but the war broke out in 1914 and Hayes volunteered for service. He joined the Public School Brigade of the Royal Fusiliers and was commissioned into the Border Regiment, gaining the rank of Captain. He was awarded the M.C. On his return to Kew, Hayes spent much of his remaining time in the Arboretum Department under Mr. W. J. Bean. Mr. Hayes left Kew to manage his father's new nursery at Ambleside and there followed a long series of successes at all the important shows.

Hayes was a plantsman and in the words of his son—"though his life was spent in the horticultural trade he was a person who primarily loved plants and their commercial value did not appeal to him. It was for giving him this love of plants that he so admired Kew and in particular, W. J. Bean, who influenced and guided him so much during his training. To him Kew was Kew and nowhere on earth could surpass it. Kew and the Kew Guild were always one of his main concerns in life and he never ceased to talk about, praise and acclaim the Royal Botanic Gardens. Very many local boys and others from further afield have passed through his hands in the nursery here and all of them he passed on to Kew. I am sure many of your members will remember him as the person who gave them their first chance."

Kew has indeed lost a great friend and we mourn his passing. We also send our sympathies to those relatives who have survived him. We wish his two sons, Peter and Leith success in carrying on with the business during the years ahead.

We thank the Editor of the *Horticultural Trade Journal* for the use of the block of one of the few photographs which R. R. Hayes would have taken. Ed.

W. C. FISHLOCK

Members of the Guild will be sorry to learn of the death of Mr. Walter Charles Fishlock which took place at his residence on Sunday, 20th December, 1959, at the age of 84.

Born on the 14th October, 1875, at Bathford, near Bath, Mr. Fishlock served in private gardens before becoming a Student Gardener at Kew in 1898. In the following spring he rescued a man from drowning in the pond in front of the Palm House.

After completing his training Mr. Fishlock went to work in Hyde Park, subsequently obtaining a post in the West Indies. From 1902 until 1920 he served under Sir Daniel Morris in the Imperial Department of Tropical Agriculture, being stationed chiefly in the Virgin Islands.

In 1920 he became Senior Curator in the Department of Agriculture in the Gold Coast where he continued until his retirement in 1932. On returning to this country he took up residence near Reading and for over 21 years was Hon. Secretary of the Reading and District Natural History Society and later became President of the Society for some four years. A very quiet and likeable personality, Mr. Fishlock was an ardent supporter of the Kew Guild, and very regular in his attendance at the annual functions. We express to his wife our deepest sympathy in her sad loss.

W. M. CAMPBELL.

Mr. A. Osborne also has some interesting memories of the late Mr. W. C. Fishlock—"Fishlock was at Kew when I entered in April, 1899. We worked together in the Ferneries. The thing I remember so well about Fishlock is his gallant feat in jumping into the pond and rescuing a visitor who attempted suicide opposite the Palm House, when on his way back to work from lunch with C. G. Girdham, another Kewite. It caused quite a sensation at the time with headings in the press. I was present outside the library when Sir William Thiselton-Dyer presented the Certificates awarded by the Royal Humane Society." (See *Kew Guild Journal*, No. VIII, 1900, page 18. Mr. Osborne mentioned the probable date for the presentation as 16th April, 1899, not 16th March as quoted).—Ed.

MISS C. S. WILSON

It is with much regret we record the sudden death of Miss C. S. Wilson, the daughter of the late Dr. Wilson of Kew, on 16th April. Miss Wilson worked in the Herbarium for many years between 1924 and 1947, mainly on the compilation of the "Index Kewensis" and the rearrangement for the collection of drawings.

HERBARIUM NEWS.

A. BRAYBON

Arthur Braybon was at Kew from March, 1913 to March, 1915. Like so many Old Kewites he laid the foundation of a long and interesting career. He belonged to that relatively small band of Old Kewites who were "widely travelled". During his twenty years or so of work in the tropics, his posts and travels took him to Bengal and Sikkim, Burma and the Northern Shan States, Malaya, Borneo and the Dutch East Indies. During this period he held important positions in the planting and business world, covering in particular the production of Cinchona, Rubber and Gutta Percha, to name but a few of the crops of which he had expert knowledge. His reputation was high amongst his employers and business associates and he was indeed a very successful and capable man in every thing he undertook.

Braybon retired from the tropics in 1935. He visited Australia and New Zealand shortly afterwards. At home during the war he did a very efficient job in the Tank Production Department of the Ministry of Supply during the last war. He used to relate that he volunteered to help with food production, but in the good old British way, instead of producing turnips he found it was to be tanks. Later Braybon joined a City firm of seed merchants as a director and technical adviser. This took him to the Argentine and South Africa thus adding to the already long list of countries of which he had an intimate knowledge. His views on men and affairs were always instructive, being usually interspersed with amusing anecdotes and experiences. At home, in addition to his many contacts in the scientific and business world, he was a highly respected and valued Fellow of the Royal Society of Arts.

Arthur Braybon's cheery presence and breezy charm endeared him to many. He added lustre to the name of Kew wherever he travelled and in short, was a worthy son of Mother Kew. To his wife, Hilda, we extend our sincere sympathy. F. FLIPPANCE.

H. MAW

It is with regret we record the death of Mr. Harry Maw in October, 1959. Mr. Maw became a student at Kew in August, 1922, after having had private and nursery experience in Leeds and in East Yorkshire. He had attended a course of training at the Midland Agricultural College, Sutton Bonnington, following on a period of four years and three months with H.M. Forces.

At Kew he was very popular because of his cheery disposition, and in due course was promoted to the position of sub-foreman in the Palm House. On leaving Kew, Mr. Maw became Head Gardener at one of the large London hospitals in which position he continued to work until his ultimate retirement. He finally took up residence in Margareting in Essex. W. M. CAMPBELL.

E. NELMES

(Editor of the *Kew Guild Journal*, Nos. LVIII and LIX of Vol VII)

Members of the Guild will learn with sorrow of the death of Ernest Nelmes which occurred on the 5th February, 1959, in a London Hospital. He was born in a small village near the town of Berkeley in Gloucestershire. Nelmes attended the village school until the age of 14, when he worked for some years under his father, Reuben Nelmes, Head Gardener at Hill Court, Near Thornbury, Glos. He joined the Royal Berkshire Regiment in 1916 and served in various units until 1919. He was not considered fit enough to be sent abroad. From 1919 until 1921 he was engaged as Foreman in the gardens of Eastwood Park, Glos. (The house and grounds of Eastwood Park have, of recent years, been adapted as a Civil Defence Training College).

Mr. Nelmes entered Kew as a student-gardener in January, 1921, serving part of his time in No. 1 (Aroid) House and part in the Palm House. In 1922 he was Secretary of the British Botany Club.

On the expiration of his studentship in 1923 he entered the Herbarium where he at first gave general assistance in the European section. He was later transferred to the Library as an assistant under the late S. A. Skan where he became responsible for cataloguing. On Mr. Skan's retirement in 1933 he re-arranged the Library on a subject basis, which proved a great advantage to members of the Herbarium staff and others who constantly use the Library in the course of their work. Indeed this arrangement proved so successful that it is still in use to this day. About this time he became interested in the *Cyperaceae* and devoted all his spare time to a study of the group. With the outbreak of the second world war Nelmes was evacuated with certain other members of the staff to Colesbourne, Gloucestershire, where he was able to continue his botanical research on the difficult genus *Carex*. He eventually became an internationally recognised authority on *Carex* and other genera of the family *Cyperaceae*.

From an early age Ernest Nelmes was a keen naturalist. He loved to roam the fields and woods around his home and made copious notes of birds, animals and plants. He collected and preserved wild flowers and kept careful records of the dates of flowering of various species.

Owing to continued ill-health Nelmes retired on the 31st December, 1958, but unfortunately his retirement failed to bring about an improvement in his condition. His passing, which came after a long and distressing illness is greatly to be deplored, for he was a sincere and lovable man who endeared himself to all those with whom he worked at Kew. We extend our deepest sympathy to Mrs. Nelmes, his sons and daughter in their sad loss.

H. S. MARSHALL.

J. C. JARRETT

It is with deep regret that we record the death of James C. Jarrett, N.D.H. on the 5th October, 1959, at the age of 69. It seemed natural that J. C. J., on leaving school, should enter the horticultural profession, as his father was in charge of Queen Park, Harborne, Birmingham.

J. C. J. began his career on local private gardens. During this period he became a member of a Birmingham Botanical Society joining with great enthusiasm in their rambles.

He entered Kew in 1911 and on leaving in 1913 worked for a time with the Birmingham Parks Department. In 1915 he joined the staff of the Board (now Ministry) of Agriculture and Fisheries to assist with the D.I.P. work, which the Board had recently taken over from the Local Authorities. The Board's work soon developed, to include the certification and improvement of seed potatoes. Jarrett seemed to have an aptitude for this work, possibly helped by his early botanical training. He had an uncanny flair for spotting and naming varieties. He gave much valuable help to new Inspectors who were sent with him for training.

When released by the Board for military duty in the 1914/18 war he joined the Shropshire Regiment but, owing to a slight disability, he was sent to Ireland on non-combat duties.

Jarrett was a kindly man who gave of his best and served his country well. In addition to his "Dig for Victory" work and numerous other official duties during the last war, he enrolled as a Special Constable at Weston-super-Mare.

He was for many years a chorister singing in various church choirs, beginning with St. Faith's, Harborne, in his early days. Then at Wellington Parish Church; St. Paul's, Weston-super-Mare; St. Nicholas Uphill; St. Paul's Walton Bay and Christ Church, Weston-super-Mare, 1954/56.

In 1950 he retired from the service of the Ministry. His first wife died in 1954 and he remarried in 1955. He was laid to rest with his first wife in the churchyard at Walton-in-Gordano, on the 29th October, 1959.

Our deepest sympathy is extended to his widow, his son and daughter.

W. N. EVANS.

W. MORT

Many Old Kewites will learn with regret of the passing of Mr. W. Mort—Bill Mort, the true Welshman. He died in August, 1959, after 29 years of service in the Gardens. Bill was a fine gardener—there are too few of his calibre in the profession to-day. We send our sympathies to his wife and daughter.

ED.

W. E. STEWART

Members will learn with regret of the death of William Ernest Stewart at the age of 55 years.

Mr. Stewart commenced his horticultural career with Mr. Geo. Whitelegg of Chiselhurst, Kent. After two years he spent a similar period with Messrs. Baker of Wolverhampton. Stewart entered Kew in August, 1926. He served in the Tropical and Decorative Departments.

After leaving Kew he spent a year under Mr. "Tom" Hay at Hyde Park. In 1929 Stewart joined the staff of the Manchester Parks and Cemeteries Department—a move which he never regretted. He was appointed to the position of Deputy Director in 1938. His long and happy association with the Department ended with his retirement in 1954, owing to deafness.

In the Parks Committee's Resolution of Appreciation from the Town Clerk it was stated that "he was a landscape gardener of great ability" and that "many of the City's parks, gardens, cemeteries and recreational places and the ornamental gardens in Piccadilly owed much to his technical ability."

Thus will Stewart be remembered—his work lives on to be appreciated by the many who live in and visit this great city. Kewites will honour his memory and will deeply sympathise with his wife and daughter in their sad loss.

W. A. WARRY

In our last *Journal* it was our sad duty to record the death of a fine old Kewite, William Warry. He died in April, 1958, in his 84th year.

Warry spent from five to six years in gardens in England before going over to Guernsey for one year as under-gardener to Messrs. Hubert and Manger. He entered Kew in June, 1896.

Over the many years since he left Kew in 1897, Mr. Warry maintained his association with the Gardens and was a frequent correspondent over matters connected with the flora of the Channel Islands. He was a keen member of the Société Guernseyaisè. During his retirement in Guernsey, Mr. Warry was an active home gardener and was particularly proud of his crops of Muscat of Alexandria which covered one half of his greenhouse and which annually developed approximately 400 bunches.

In his passing we have lost a great lover of gardens, a keen and clever plantsman and a loyal Guild member. We tender our deepest sympathy to his wife Annie.

CHRISTIAN VAN DER VOST

Mr. Christian Van Der Vost died in February, 1958, at his home in Taunton, Massachusetts. After leaving Kew in 1910 he was employed by the Arnold Arboretum. He was sent by the late Prof. C. S. Sargent, Director of the Arboretum, to serve as advisor during the re-landscaping of Mount Vernon (the historical home of George Washington) in Virginia.

In 1927 he opened his own nursery which became a very successful business. He was a life member of the Massachusetts Horticultural Society, a past president of the Massachusetts Nurseryman's Association, and an active member of the New England Nurseryman's Association.

He is survived by his widow, Mr. Christian Van Der Vost and a grandson, N. Noble Holmes, Jr., who will carry on the nursery business.

We extend our heartfelt sympathy to the family.

S. G. CUTTING.

* * *

Mr. and Mrs. J. W. Godley, of Sale, Cheshire, have kindly presented to W. H. John's Memorial Library at the Headquarters of the Institute of Park Administration, the complete four volumes of the Royal Horticultural Society's Dictionary of Gardening in memory of their son, the late P. G. Godley (1956).

(Ref : *Kew Guild Journal*, Vol. VII, No. LXIII, p. 588).

* * *

Mrs. Crouch has written in with the news that the Parish of Stansted has raised a fund for a memorial to her late husband, G. S. Crouch (p. 587, No. LXIII, 1958). The memorial will take the form of electric heating for the chancel of the Stansted Parish Church. Mrs. Crouch writes—"My son and I have been so deeply touched and proud of the esteem in which he was held by all classes." Kewites will also wish to share in this feeling.

* * *

We have also received notification of the deaths of the following Old Kewites :—

Jackson, P.C., who left Kew in 1915.

Joshua, Miss L., who left Kew in 1918.

Howard, D., who left Kew in 1949. Killed in a motor cycle accident.

Barton, R., who left Kew in 1890.

Flossfeder, F., who left Kew in 1904.

Clements, T., who left Kew in 1906, and who passed on in 1960.

Please help us with information in order that we may write a worthy obituary for these Old Kewites.

An obituary is being prepared for W. S. Sharp, who left Kew in 1897. This will appear in the next issue.

KEW STAFF LIST

(as on January 1st, 1960)

* Life Member of The Guild. † Past President of The Guild.
‡ Formerly a Student Gardener.

DIRECTOR'S OFFICE		<i>Entered Kew</i>
Director	G. Taylor, D.Sc., F.R.S.E., F.L.S., V.M.H.	1956
Deputy Director, Keeper of Herbarium (D.C.S.O.)	‡† C. E. Hubbard, O.B.E., F.L.S.	1920
Secretary (Senior Executive Officer)...	R. W. King, D.F.C.	1959
Executive Officer.....	S. J. Williamson.....	1959
Clerical Officer/Secretary.....	Mrs. A. M. E. Kendall.....	1947
Clerical Officer.....	Mrs. L. A. Kell.....	1948
" ".....	Miss I. C. McFarlane.....	1959
Clerical Assistant.....	Miss C. M. Newall.....	1952
" ".....	Miss F. V. Surplice.....	1954
Telephone Operator.....	Miss J. Lane.....	1957
HERBARIUM AND LIBRARY		
Deputy Keeper (S.P.S.O.)	E. W. B. H. Milne-Redhead, T.D., M.A., F.L.S.	1929
Principal Scientific Officer.....	V. S. Summerhayes, B.Sc.	1924
" " ".....	F. Ballard, B.Sc.	1929
" " ".....	N. Y. Sandwith, M.A., F.L.S., F.R.G.S.	1924
" " ".....	R. Melville, B.Sc., Ph.D., F.L.S.	1934
" " ".....	R. W. G. Dennis, B.Sc., Ph.D.	1944
" " ".....	A. A. Bullock, B.Sc., F.L.S.	1929
" " ".....	J. P. M. Brenan, M.A., B.Sc., F.L.S.	1948
" " ".....	J. B. Gillett, M.A., F.L.S. (Colonial Office)	1948
" " ".....	*J. R. Sealy, B.Sc., F.L.S.	1927
" " ".....	R. D. Meikle, B.A., LL.B., F.L.S.	1947
Senior Scientific Officer.....	W. D. Clayton, B.Sc., A.R.C.S., F.L.S.	1958
" " ".....	D. A. Reid, B.Sc.	1951
" " ".....	F. N. Hepper, B.Sc., F.L.S.	1950
" " ".....	L. L. Forman, B.Sc., F.L.S.	1951
" " ".....	G. P. DeWolf, Ph.D. (Colonial Office)	1958
" " ".....	N. K. B. Robson, B.Sc., Ph.D., F.L.S. (Colonial Office)	1956
Scientific Officer.....	P. F. Hunt, M.Sc., F.L.S.	1959
" " ".....	Miss F. M. Jarrett, M.A., Ph.D.	1959
" " ".....	E. Guest, B.Sc., A.R.C.S., A.I.C.T.A. (Iraqi Govt.)	1959
" " ".....	C. Jeffrey, B.A. (Colonial Office)	1957
" " ".....	H. H. Heine, Dr.med., Dr.rer.nat., F.L.S. (Colonial Office)	1958
" " ".....	Miss S. Carter, M.Sc., F.L.S. (Colo- nial Office)	1957
Senior Experimental Officer.....	R. A. Blakelock, B.Sc., F.L.S.	1937
Experimental Officer.....	P. G. Taylor, F.L.S.	1948
" " ".....	J. K. P. Kennedy-O'Byrne, F.L.S.	1948
" " ".....	J. R. Tennant, B.Sc., F.L.S. (Colo- nial Office)	1956
" " ".....	Miss S. S. Hooper, B.Sc., F.L.S.	1952
" " ".....	Miss M. I. Skan (Index Kewensis)	1919
" " ".....	D. Philcox, F.L.S.	1959
" " ".....	C. C. Townsend	1959

Entered
Kew

JODRELL LABORATORY

Keeper (Principal Scientific Officer)...	C. R. Metcalfe, M.A., Ph.D., F.L.S.	1930
Scientific Officer	Miss M. Y. Stant, B.Sc., Ph.D.....	1950
Experimental Officer.....	F. Richardson.....	1934
Assistant (Scientific).....	Miss D. M. Catling.....	1950
Photographer	R. R. Zabeau.....	1956

DEPARTMENT OF ECONOMIC BOTANY

Keeper (Principal Scientific Officer)...	F. N. Howes, D.Sc.....	1925
Senior Scientific Officer (Quarantine Work).....	T. A. Russell, B.Sc., A.R.C.S., A.I.C.T.A., Dip.Agric.....	1954
Senior Scientific Officer.....	S. G. Harrison, B.Sc.....	1949
Scientific Officer.....	Miss B. J. Youngman, B.Sc.....	1950
Assistant (Scientific).....	Miss J. K. Bowden.....	1949
Preparer	L. J. Harding.....	1913
Typist	Miss V. Horwill.....	1951

GARDENS

Curator	‡W. M. Campbell, N.D.H., F.Inst. P.A., V.M.H.....	1922
Assistant Curator.....	*‡L. Stenning, M.B.E., A.H.R.H.S. (Tropical)	1925
" "	‡S. A. Pearce, A.H.R.H.S., F.Inst. P.A. (Arboretum N.).....	1928
" "	‡G. H. Preston, F.L.S. (Herbaceous)	1934
" "	*‡S. W. Rawlings (Decorative).....	1936
" "	‡J. E. S. Souster, N.D.H., F.L.S. (Temperate)	1943
" "	‡G. E. Brown, N.D.H. (Arboretum S.)	1946
Foreman Gardener.....	G. H. Anderson (Palm House).....	1940
" "	W. A. Mullins (Decorative).....	1942
" "	W. Bridle (Temperate House Pits)	1946
" "	H. Bruty (Ferneries—Tropical).....	1946
" "	P. G. Shutler (Arboretum).....	1946
" "	‡A. J. Hale (Temperate House).....	1955
" "	‡F. Larkbey (Decorative).....	1947
" "	‡G. Nicholson (Orchids—Tropical)	1947
" "	‡A. G. Cook (Herbaceous and Rock Garden)	1948
" "	R. J. Chuter (Propagator).....	1953
" "	‡N. Hickman (Tropical Pits).....	1955
" "	‡R. I. Beyer (Alpine & Herbaceous)	1959
" "	F. J. Sadler (Arboretum N.).....	1951
Executive Officer.....	R. Fender.....	1958
Clerical Officers.....	G. Calcutt.....	1959
" "	G. F. Lamb.....	1951
" "	G. D. Gibbs.....	1958
" "	Miss A. G. Barton.....	1953
Shorthand Typist.....	Miss M. Sillitoe.....	1947
Typist	R. D. Stephenson.....	1959
Packer and Storekeeper	J. H. Claiden.....	1919
Bird Keeper and Bellringer.....	J. Paske.....	1929
Seed Collector.....	J. Mateer.....	1952
" "	C. W. Preston.....	1922
Gardener Grade I.....	*‡H. Collin.....	1920
" "	F. L. Burnell.....	1946
" "	J. P. Byrne.....	1952
" "	H. Hockley.....	1942
" "	F. H. Jackman.....	1940
" "	E. W. Macdonald.....	1950

		<i>Entered Kew</i>
Gardener Grade I.....	E. Skyrme.....	1947
" "	J. Slater.....	1945
" "	F. W. Standen.....	1940
" "	A. D. Stevens.....	1956
" "	M. A. Wells.....	1946
" "	†R. Rule.....	1956
" "	J. Pruuden.....	1956
" "	C. W. Bowditch.....	1958
 CONSTABULARY		
Sergeant in Charge.....	W. Leaver.....	1935

STUDENT GARDENERS

<i>Name</i>	<i>Entered Kew</i>	<i>Name</i>	<i>Entered Kew</i>
Allen, J.....	Oct., 1959	Johnson, M. J.....	.....
Banbury, J. N.....	Oct., 1959	Low, J. J. D.....	April, 1959
Barnes, H. P.....	Oct., 1958	Lowe, B. E.....	April, 1959
Breggen, J. G. Van der.....	April, 1959	Lycett, K. M.....	Oct., 1958
Briggs, Miss B.....	Oct., 1958	Martin, B. A.....	April, 1959
Briscoe, G. E. D.....	Oct., 1959	Mason, J. D.....	Oct., 1958
Caton, Miss R. A.....	Oct., 1959	McDowell, C. I.....	April, 1958
Cole, T. J.....	Oct., 1959	Pearce, D. G.....	Oct., 1958
Deans, T.....	April, 1958	Pierce, A.....	Oct., 1958
Dixon, A. G.....	April, 1958	Pitcher, B. F.....	Oct., 1958
Dyke, D. J.....	Oct., 1959	Preston, W. T.....	Oct., 1959
Foote, L. A.....	April, 1959	Rover, Miss H. J.....	Oct., 1959
Ganney, G. W.....	Oct., 1959	Reed, P. E.....	Oct., 1958
Gibbons, L.....	April, 1959	Scales, K. W.....	Oct., 1958
Gilkison, D. S.....	April, 1958	Schilling, A. D.....	Oct., 1959
Gunn, W. A. G.....	Oct., 1959	Simmons, J. B.....	Oct., 1959
Henshaw, H.....	Oct., 1958	Taylor, Miss J. L.....	April, 1959
Hill, B. A.....	Oct., 1959	Thames, B. G.....	Oct., 1958
Hitchcock, A. G.....	Oct., 1958	Toft, K. G.....	Oct., 1958
Humphrey, B.....	April, 1959	Turton, K. G.....	April, 1958
Jobsen, J.....	April, 1958	Wood, A. T.....	April, 1958

IMPROVERS AND BOYS

M. Y. Brentnall, B. R. Davies, B. Dodds, J. Elsley, F. Ferbraiche, P. Gooding, K. Hobbs, A. F. Horrocks, J. N. Jayman, S. Linnegar, H. Lucke, G. A. Maynard, G. Mullinger, H. Nunn, R. Powell, D. Prior, P. Saul, B. K. Skan, M. Sullivan, D. A. Waterman, M. Weston, G. Whittle, J. Woodham.

ADDRESS LIST OF OLD KEWITES

(The Names of Past Presidents are preceded by a dagger, Life Members by an asterisk)
(The year of leaving Kew is indicated)

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

1936. Abbing, J., Beauwea Park, P.B., Grahamstown, S.A.
 1959. Adams, R., The Grotto, Lower Basildon, Nr. Reading.
 1938. *Addison, G. H., Meadowcroft, Hanley Down, Nr. Battle, Sussex.
 1957. Addison, P., 14 Tauton Road, Wallasey, Cheshire.
 1960. Adshead, P., 134 Cherry Tree Lane, Great Moor, Stockport, Cheshire.
 1926. Agate, C. J., 7 Beach Road, Great Neck, Long Island, N.Y., U.S.A.
 1924. *Aikman, Miss M. G., 18A London Street, Edinburgh, 3.
 1949. Ainslie, E., Head Gardener, Southend Parks Dept., Southend.
 1939. *Airey, J. E., Westmoor Gardens, Mansel Lacy, Hereford.
 1952. Airey Shaw, H. K., B.Sc., 71 Ennerdale Road, Richmond, Surrey.
 1945. *Albert, Mrs. H., 65 Summet Street, Oyster Bay, Long Island, N.Y., U.S.A.
 1918. *Alcock, Mrs. N. L., M.B.E., F.L.S., 108 Cole Brook Street, Winchester, Hants.
 1946. Allen, Miss B. (See Mrs. F. Christopher.)
 1948. Allen, F. H., Coombe Villa, Wotton-under-Edge, Glos.
 1930. Allison, B. W., A.S., Parks Dept., Salford, Lancs.
 1911. *Allt, W. S., E. Market Street, Hyde Park, N.Y., U.S.A.
 1956. Alphonso, A. G., B.G., Singapore, S.S.
 1945. *Ambrose, Miss R. M. (See Mrs. J. Souster.)
 1957. Amoah, G. K. A., Div. of Agric., Hort. Branch, P.O. Box 1974, Kumasi, Ghana.
 1926. *Anderson, A. W. C., N.D.H.(N.Z.), 4 Church Street, West Timaru.
 1910. *Anderson, J. W., 30 Sandilands Road, Baguley, Manchester, 23.
 1956. Andrews, B. R., Park Dept., City Hall, Edmonton, Alberta, Canada.
 1954. Appleby, J., 53 Rathbone Road, Wavertree, Liverpool, 15.
 1947. *Armstrong, C. E., N.D.H., H.L., Kesteven Farm Inst., Caythorpe Court, Nr. Grantham, Lincs.
 1931. *Arnold, T. A., 157 Jeppe Street, Johannesburg, S.A.
 1920. Ash, Mrs. W. (E. M. Harper), 22 Palace Court, Hampstead, N.W.3.
 1956. Ast, R., St. Andreas, Cham./Z.G., Switzerland.
 1931. Atkins, L. G., N.D.H., 59 Cranwick Road, Lincoln.
 1958. Atkinson, Miss A. L. M., Studley College, Warwickshire.
 1954. Attenburrow, D. C., c/o D. of Agriculture, P.O. Box 338, Nairobi, Kenya.
 1950. Attwood, C. A., 30 Manor Way, Uxbridge, Middlesex.
 1910. *Aubrey, A. E., 83 Newbridge Street, Wolverhampton, Staffs.
 1946. Avery, Edwin, 2 Newport Road, Barnes, S.W.13.
 1939. *Aves, J. J., D.S., P.O. Box 1454, Parks Dept., Pretoria, S.A.
1935. Bachelor, P. L., Glenchairn, Dover Ridge Avenue, Carlton, Nottingham.
 1906. Badgery, R., 47 King's Ash Road, Paignton, Devon.
 1900. *Baggesen, Niels, Viborg, Pembury, Tunbridge Wells, Kent.
 1920. *Baker, A. F., 15 Beresford Road, Kingston-on-Thames, Surrey.
 1920. *Baker, E., The Myrth, Bucknells Lane, Yarston, Herts.
 1947. Baker, M. E., 18 Jealotts Hill, Warfield, Berks.
 1939. *Balch, R. W., N.D.H. (N.Z.), A.S. of Reserves, 32 Montague Road, Dunedin, New Zealand.
 1908. *Band, R., P.O. Box 524, Accra, Ghana.
 1927. *Banfield, F. S., F.L.S., 37 Ellerker Gardens, Richmond, Surrey.
 1928. Barham, V. G., "Ivermark," Arnolds Lane, Sutton-at-Hone, Dartford, Kent.
 1958. Barker, L. P., 120 Victoria Road, Fulwood, Preston.
 1923. *Barker, W. H., N.D.H., M.C., The Lodge, Scaley, Carlisle.
 1914. *Barnett, M. J., N.D.H.(N.Z.), A.H.R.I.H.(N.Z.), 46 Selwyn Street, Somerfield, Christchurch, N.Z.