



THE
JOURNAL
OF THE
KEW GUILD

AN ASSOCIATION OF
MEMBERS OF THE KEW STAFF
PAST AND PRESENT

1946 (Published 1947)

LIST OF OFFICERS.

President : 1944-45 :—Miss E. M. Wakefield, M.A., F.L.S.

„ 1945-46 :—A. Blackburn, F.I.P.A

Trustees : E. J. Salisbury, C.B.E., D.Sc., F.R.S., and
W. M. Campbell, N.D.H.

Hon. Treasurer : L. Stenning, Royal Botanic Gardens,
197, Kew Road, Kew, Surrey.
(To whom all remittances should be addressed.)

Hon. Secretary and Editor of Journal : A. D. Cotton, Herbarium
House, Kew, Surrey.

Assistant Editor : H. S. Marshall, Herbarium, Royal Botanic
Gardens, Kew.

Members of Committee :

Retire 1946

E. G. Dunk, Kew
F. G. Preston, Cambridge
E. Coward, Richmond
P. Robertshaw, Natal

Retire 1948

M. Free, U.S.A.
S. Pearce, Kew
F. H. Eul, Bexley Heath
T. Sargeant, Ripley
W. H. Barker, Liverpool

Foremen and Student Gardeners :

R. M. STUART BROWN

Retire 1947

Miss E. M. Wakefield, Kew
F. S. Sillitoe, Kew
T. R. N. Lothian, Australia
F. G. A. Goldsack, E. Sheen
A. J. Brooks, Putney

Retire 1949

Dr. C. R. Metcalfe, Kew
W. G. Sheat, Kew
W. L. Lavender, Richmond
R. Cameron, U.S.A.

Women Gardeners :

MISS K. EPERON

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EDITORIAL.

Once again the present Number of the *Journal* is slightly smaller than those appearing in previous years. This is because of the continued high publication cost and the necessity for allowing another year to elapse before attempting to return to pre-war standards.

We are fortunate in being able to reproduce articles from past Kewites abroad and though photographs are few that of Kirstenbosch Botanic Gardens is remarkably fine.

In order to keep members posted as to the financial position the accounts for 1944 are published as well as those for the current year.

On November 16th, 1945, Mr. A. D. Cotton, O.B.E., tendered his resignation to take effect from January, 1946, and the Committee then decided that Messrs. Campbell and Pearce should act as joint Secretaries of the Guild and joint Editors of the *Journal* pro tem.

So far as is possible all changes of address have been recorded in the full list of past Kewites that appears in this issue.

ARTHUR BLACKBURN.

Our President for 1945-46 was born at Ennim, near Penrith, Cumberland. Commencing his horticultural career he served as an apprentice for three years at Brent House, Penrith, and later served for one year as a journeyman at Calthwaite Hall, and in a similar position for four years at Underscar, Keswick.

In 1906 he entered Kew as a Student-Gardener and during his two years training gave ample evidence of the ability and excellent qualities that were to take him to a position of great responsibility. In 1907 he sat for the Royal Horticultural Society's Examination (Parks Section) and was awarded the Silver Medal for 1st place in Division B.

On leaving Kew Mr. Blackburn returned to private service but realising the greater scope afforded in municipal service he entered the Parks Department of Swansea under Mr. Daniel Bliss, V.M.H., and eventually became not only his chief assistant but also one of his most valued friends. During the next five years and until the outbreak of war in 1914, great expansion took place in the department. The control of the Borough Cemeteries was taken over, the whole system of registration was revised, involving over 40,000 interments; one new cemetery was designed and constructed and three new parks were laid out. The administration of the foreshore, with its attendant facilities of bathing, concert parties, chairs and stalls, was also taken over.

The varied experience thus gained in a rapidly expanding department was such that in 1918 he was appointed to his present position at Blackpool, where he took control of a department organised on very similar lines to that of Swansea.

During the twenty-eight years he has directed the Blackpool Parks Department he has been responsible for many major developments. Stanley Park, designed by Messrs. Mawson and Sons, was laid out under his supervision. This magnificent park took over two years to complete and only those acquainted with the many difficulties of both site and climate can appreciate the magnitude of the task. Great improvements were made along the sea front, and in addition the needs of the local residents were studied and met with the laying out of eight recreation grounds in different parts of the town. Another task, ably carried out was the design and construction of a Cemetery and Crematorium. In addition to these activities he controls the hiring of Deck Chairs on a seven mile front and has probably more chairs to look after than in any other Borough in the Kingdom. Fortunately he is spared the control of Ice Cream Stalls, Punch and Judy Shows, and Donkey Rides such as his former chief used to supervise.

Mr. Blackburn was one of the original founder members of the Institute of Parks Administration, and for many years was Secretary. He did excellent service in many ways, and on retiring from the post of Secretary, continued to serve as a member of the Council where his knowledge and advice have always been eagerly sought.

Many young Kewites owe their present position to the encouragement and help given them by him, and few years have elapsed during his period as Superintendent when one or more Kewites have not formed part of his staff.

Mr. Blackburn's favourite recreation is Golf, although ill health during recent years has compelled him to restrict his activities in the field of sport to that of spectator. Both local football and cricket have enjoyed his support for many years.

ANNUAL GENERAL MEETING, 1945.

The Annual General Meeting was held at Kew on July 14th, at 3 p.m. The President, Miss E. M. Wakefield, was in the Chair.

1. MINUTES. The Minutes of the last Annual General Meeting having been approved by the Committee, were taken as read.

2. REPORT OF THE COMMITTEE. The Annual Report of the Committee was read and adopted. All stood while the names of those members who had died during the past year were announced.

3. STATEMENT OF ACCOUNTS. The Hon. Treasurer, Mr. L. Stenning, presented the Accounts and submitted his report, stating that the balance in hand was £120 17s. 11d. The Life Membership subscriptions which had been received since the last Annual General Meeting had however not been invested. The Treasurer's Report was adopted.

The Treasurer drew attention to the favourable balance and said that if the increased income was maintained it should be possible to set aside a sum each year (perhaps as much as £20).

4. PRISONERS OF WAR FUND. The Treasurer announced that £20 had been sent to the Red Cross and the balance of the Fund was at present £43 1s. 8d.

5. JUBILEE PERMANENT SECURITY FUND. The Treasurer stated that this stood at £310 12s. 11d.

6. ELECTION OF OFFICERS AND COMMITTEE.

President. The President announced that the Committee's nomination for the Presidency for 1945-46 was Mr. A. Blackburn. On the proposal of Mr. Curtis, seconded by Mr. Preston, Mr. Blackburn was unanimously elected.

Hon. Treasurer. Mr. L. Stenning was again elected Hon. Treasurer.

Hon. Secretary and Editor. Mr. A. D. Cotton was re-elected Hon. Secretary and Editor.

Assistant Secretary. Mr. H. S. Marshall was re-elected Assistant Secretary.

Election of Committee. The new proposals were accepted and voted for *en bloc* as under:

- | | |
|--|----------------------|
| Dr. C. R. Metcalfe to succeed Dr. F. N. Howes. | |
| Mr. W. G. Sheat | Mr. B. P. Mansfield. |
| Mr. W. L. Lavender | Mr. H. Welsh. |
| Mr. R. Cameron | Mr. T. H. Everett. |

7. **STUDENT GARDENERS AND WOMEN GARDENERS.** Mr. R. M. Stuart Brown was elected to represent the Student Gardeners and Miss H. Bird to represent the Women Gardeners during the coming year.

8. **THE JOURNAL.** The Secretary made a statement as to the Journal. Owing to the very high cost a slight reduction in size had been made, but there was no reduction in the number of plates. Miss Joshua deprecated the reduction in size of the Journal in view of the better balance. The Secretary said the matter would be kept in mind.

9. **OTHER BUSINESS.** *Dinner and Tea.* Mr. Coward asked whether it was proposed to hold a dinner next year. The President replied that whilst a dinner would be appreciated the question of food might be a deciding factor. She asked if, in the event of a dinner being held next year there should also be a tea. There was a general agreement that the Teas had been a success and should be held if possible in future.

Mr. Curtis suggested there should be a dinner during the Chelsea Show week but that the Annual Meeting should be held at Kew and be followed by a tea, a proposal which was warmly supported. Mr. Coward pointed out that this would be contrary to the Rules which state that the dinner shall follow the Annual General Meeting. If the Rule were amended the matter would have to be brought up at the Annual General Meeting. The question was referred to the Committee.

Training. Mr. Coward referred to the question of the Kew training. The sub-Committee had not met as they understood steps were being taken by the Director. He asked if any information on the matter could be supplied.

Mr. Gilmour replied that in the first place it had been decided (though not officially announced) that in future women would be employed as student gardeners.

With regard to future courses for student gardeners, the Director in conjunction with the Assistant Director and Curator had recently given full consideration to the matter and it had been decided:

1. That the standard of entry to Kew should be raised and that normally applicants would be expected to have passed the R.H.S. General Senior Examination. This would in time raise the general standard of training at Kew, and enable less time to be spent on elementary science, and more on horticultural subjects.
2. That the general aim of the training would be to fit students to take the N.D.H. examination, and that the courses would be primarily directed to this end. Some facilities, both practical and theoretical would be given for the study of fruit and vegetables.

Mr. Gilmour further pointed out that for some years after the war,

at the request of the Ministry of Agriculture and Fisheries, Kew had undertaken to train a considerable number of ex-service men whose horticultural training had been interrupted. A year's course only would be given. A certain number of places would of course be reserved for ordinary applicants doing the two years' course. This ex-service men scheme would however delay for some years the full inauguration of the new scheme.

Mr. Campbell said, in reply to a question by Miss Joshua, that it would still be essential for applicants who desire to come as student gardeners to have had the four years sound practical training previously insisted on. The R.H.S. qualification would be an added advantage, whilst in exceptional circumstances the qualification might be waived.

Mr. Brooks said he wished once more to draw attention to the lack of laboratory facilities at Kew. Speaking with long personal knowledge of Horticultural Training Centres at home and abroad, he considered Kew the least equipped of them all and said that if Kew was to retain her prestige it was vital that this handicap should be removed as early as possible. He proposed the following resolution which was seconded with an amendment by Mr. H. C. Sampson, and was carried unanimously :

“ That the Director be asked to bring to the attention of the Ministry of Agriculture the very inadequate laboratory and lecture room facilities for teaching students at Kew, and to invite the Ministry to inspect for themselves these facilities with a view to providing more up-to-date accommodation.”

In view of the special training of ex-service men which the Ministry had asked Kew to undertake he suggested that it would be an appropriate time to ask the Ministry to do something for Kew.

50TH ANNIVERSARY OF WOMEN COMING TO KEW. A letter from Miss Gertrude Cope (who came to Kew in 1897) was read. She pointed out that the 50th Anniversary of the first women gardeners to come to Kew falls next year, and asked if that event could be commemorated. Referred to the woman representative of the Guild Committee.

KEW GUILD GENERAL ACCOUNT
(for financial year ending December, 1944)

RECEIPTS.			EXPENDITURE.		
	£	s. d.		£	s. d.
Balance from 1943 account ...	122	17 6	Printing 1943 Journal, supplying book post envelopes, authors' corrections, etc. ...	156	4 8
Annual subscriptions and arrears	41	7 6	Hon. Treasurer's postages and incidental expenses ...	1	6 9½
Life subscriptions and additional subscriptions ...	44	3 0	Hon. Secretary's postages ...	10	7½
Advertisements in 1943 Journal	30	12 6	Royal Gardeners' Orphan Fund	1	1 0
Dividends on £300 3 per cent. New South Wales stock 1955-58 (less income tax deductions) ...	4	10 0	Insurance premium on the Proudlock Tennis Cup ...	7	6
Dividends on £26 6s. 3d. 3½ per cent. War Stock ...	18	4	Balance in Bank ...	107	17 11
Dividends on £500 3 per cent. War Savings, Sir A. W. Hill's bequest ...	15	0 0			
Dividends Jubilee Permanent Security Fund ...	5	4 2			
Interest on Post Office Savings Bank ...	2	15 6			
	<u>£267</u>	<u>8 6</u>		<u>£267</u>	<u>8 6</u>

CAPITAL ACCOUNT

LIABILITIES.			ASSETS.		
	£	s. d.		£	s. d.
192 Life Subscribers @ £1	192	0 0	£300 3 per cent. New South Wales Stock @ par ...	300	0 0
@ half rate ...	96	0 0	£26 6s. 3d. 3½ per cent. War Stock @ par ...	26	6 3
257 Life Subscribers @ £2	514	0 0	£500 3 per cent. Savings Bonds, Sir A. W. Hill's bequest ...	500	0 0
@ half rate ...	257	0 0	Valuation of Journals in stock	25	10 0
64 Life Subscribers at £3 3s. ...	201	12 0	Valuation of Typewriter ...	5	10 0
Assets exceed Liabilities ...	410	12 2	Balance in Bank ...	107	17 11
	<u>£965</u>	<u>4 2</u>		<u>£965</u>	<u>4 2</u>

WATSON MEMORIAL EDUCATIONAL FUND

RECEIPTS.			EXPENDITURE.		
	£	s. d.		£	s. d.
Balance from 1943 account ...	120	10 11	Nil.		
Subscriptions ...	5	0	Balance in Bank ...	127	6 5
Dividends on £100 3½ per cent. War Stock ...	3	10 0			
Interest on Post Office Savings Bank ...	3	0 6			
	<u>£127</u>	<u>6 5</u>		<u>£127</u>	<u>6 5</u>

(Assets £100 3½ per cent. War Stock @ par and Balance in Bank £127 6s. 5d. Liabilities Nil.)

DUMMER MEMORIAL PRIZE FUND

RECEIPTS.	£ s. d.	EXPENDITURE.	£ s. d.
Balance from 1943 account ...	19 0 2	Nil.	
Dividends on £70 4 per cent.		Balance in Bank ...	22 6 0
Funding Loan ...	2 16 0		
Interest on Post Office Savings			
Bank ...	9 10		
	<u>£22 6 0</u>		<u>£22 6 0</u>
(Assets £70 4 per cent. Funding Loan @			
par and Balance in Bank £22 6s. 0d.			
Liabilities Nil.)			

MATILDA SMITH MEMORIAL PRIZE FUND

RECEIPTS.	£ s. d.	EXPENDITURE.	£ s. d.
Balance from 1943 account ...	15 7 1	Nil.	
Dividends on £50 3 per cent.		Balance in Bank ...	17 5 0
Savings Bonds ...	1 10 0		
Interest on Post Office Savings			
Bank ...	7 11		
	<u>£17 5 0</u>		<u>£17 5 0</u>
(Assets £50 3 per cent. Savings Bonds @			
par and Balance in Bank £17 5s. 0d.			
Liabilities Nil.)			

THE BENEVOLENT FUND

RECEIPTS.	£ s. d.	EXPENDITURE.	£ s. d.
Balance from 1943 account ...	94 0 3	Nil.	
Subscriptions ...	10 0	Balance in Bank ...	97 10 2
Interest on Post Office Savings			
Bank ...	2 19 11		
	<u>£97 10 2</u>		<u>£97 10 2</u>

THE PROUDLOCK PRIZE FUND

RECEIPTS.	£ s. d.	EXPENDITURE.	£ s. d.
Balance from 1943 account ...	4 5 8	Nil.	
Dividends on £25 4 per cent.		Balance in Bank ...	5 7 8
Funding Loan ...	1 0 0		
Interest on Post Office Savings			
Bank ...	2 0		
	<u>£5 7 8</u>		<u>£5 7 8</u>
(Assets £25 4 per cent. Funding Loan @			
par and Balance in Bank £5 7s. 8d.			
Liabilities Nil.)			

PRISONER OF WAR FUND

RECEIPTS.			EXPENDITURE.		
	£	s. d.		£	s. d.
Balance from 1943 account ...	28	0 11	Cigarettes and tobacco, D. W. Sayers ...	1	1 6
Subscriptions ...	33	16 1	Toilet Goods, D. W. Sayers ...	1	5 2
			Cigarettes and tobacco, D. W. Sayers ...	1	0 6
			Toilet Goods, D. W. Sayers ...	1	5 7
			Toilet Goods, R. W. Hudson...	2	17 9
			Balance in Bank ...	54	6 6
	£61	17 0		£61	17 0

KEW GUILD GENERAL ACCOUNT
(for financial year ending December, 1945)

RECEIPTS.			EXPENDITURE		
	£	s. d.		£	s. d.
Balance from 1944 account ...	107	17 11	Printing 1944 Journal, supplying envelopes, authors' corrections, etc. ...	146	10 0
Annual subscriptions and arrears	42	9 6	Hon. Secretary's postages and incidental expenses ...	1	16 0
Life subscriptions and additional subscriptions ...	97	5 0	Hon. Treasurer's postages, etc.	1	19 6
Advertisements in 1944 Journal	24	13 6	Royal Gardeners' Orphan Fund	1	1 0
Dividends on £300 3 per cent. New South Wales Stock 1955-58 less income tax deductions ...	4	10 0	Insurance premium on the Proudlock Tennis Cup ...	7	6
Dividends on £26 6s. 3d. 3½ per cent. War Stock ...	18	4	Life subscription refunded to T. J. Walsh ...	3	3 0
Dividends on £500 3 per cent. War Savings, Sir A. W. Hill's bequest ...	15	1 7	Assistant Secretary's Honorarium ...	5	0 0
Dividends on Jubilee Permanent Security Fund ...	8	6 6	Balance in Post Office Bank ...	144	0 3
Interest on Post Office Savings Bank ...	2	14 11			
	£303	17 3		£303	17 3

CAPITAL ACCOUNT

LIABILITIES.			ASSETS		
	£	s. d.		£	s. d.
190 Life subscribers @ £1 @ half rate ...	95	0 0	£300 3 per cent. New South Wales stock at par ...	300	0 0
261 Life subscribers @ £2 @ half rate ...	261	0 0	£26 6s. 3d. 3½ per cent. War Stock at par ...	26	6 3
74 Life subscribers @ £3 3s. 408 ...	408	4 6	£500 3 per cent. War Savings, Sir A. W. Hill's bequest at par ...	500	0 0
			Valuation of Journals in stock	30	10 0
			Valuation of Typewriter ...	5	10 0
			Balance in Bank ...	144	0 3
	£1,006	6 6		£1,006	6 6

WATSON MEMORIAL EDUCATIONAL FUND

RECEIPTS				EXPENDITURE			
	£	s.	d.		£	s.	d.
Balance from 1944 account ...	127	6	5	Refund of N.D.H. Examination fees to J. E. S. Soustor ...	4	4	0
Subscriptions (Nil) ...	-	-	-	Refund of Institute of Parks Administration Examination fees to H. J. Kruger ...	4	4	0
Dividends on £100 3½ per cent. War Stock ...	3	10	0	Balance in Bank ...	125	12	1
Interest on Post Office Savings Bank ...	3	3	8				
	£134	0	1		£134	0	1
(Assets £100 3½ per cent. War Stock at par and Balance in Bank £125 12s. 1. Liabilities Nil.)							

DUMMER MEMORIAL PRIZE FUND

RECEIPTS				EXPENDITURE			
	£	s.	d.		£	s.	d.
Balance from 1944 account ...	22	6	0	Nil.			
Dividends on £70 4 per cent. Funding Loan ...	2	16	0	Balance in Bank ...	25	13	5
Interest on Post Office Savings Bank ...	11	5					
	£25	13	5		£25	13	5
(Assets £70, 4 per cent. Funding Loan at par and Balance in Bank £25 13s. 5d. Liabilities Nil.)							

MATILDA SMITH MEMORIAL PRIZE FUND

RECEIPTS.				EXPENDITURE.			
	£	s.	d.		£	s.	d.
Balance from 1944 account ...	17	5	0	Balance in Bank ...	19	3	11
Dividends on £50 3 per cent. Savings Bonds ...	1	10	0				
Interest on Post Office Savings Bank ...	8	11					
	£19	3	11		£19	3	11
(Assets £50, 3 per cent. Savings Bonds and Balance in Bank £19 3s. 11d. Liabilities Nil.)							

THE BENEVOLENT FUND

RECEIPTS.				EXPENDITURE.			
	£	s.	d.		£	s.	d.
Balance from 1944 account ...	97	10	2	Nil.			
Subscriptions ...	3	0		Balance in Bank ...	101	1	3
Interest on Post Office Savings Bank ...	3	8	1				
	£101	1	3		£101	1	3

 THE PROUDLOCK PRIZE FUND

RECEIPTS.				EXPENDITURE.			
	£	s.	d.			£	s. d.
Balance from 1944 account ...	5	7	8	Nil.			
Dividends on £25 4 per cent. Funding Loan ...	1	0	0	Balance in Bank ...	...	6	10 2
Interest on Post Office Savings Bank ...		2	6				
	£6	10	2			£6	10 2
(Assets £25 4 per cent. Funding Loan at par and Balance in Bank, £6 10s. 2d. Liabilities Nil.)							

 PRISONER OF WAR FUND

RECEIPTS.				EXPENDITURE.			
	£	s.	d.			£	s. d.
Balance from 1944 account ...	54	6	6	Donation to British Red Cross Fund ...	...	20	0 0
Subscriptions ...	8	15	2	Balance in Bank ...	...	43	1 8
	£63	1	8			£63	1 8

 KEW GUILD JUBILEE PERMANENT SECURITY FUND
 DONATIONS FOR 1945

	£	s.	d.
Balance from 1944 account	295	11	11
H. S. Davie ...	1	0	0
H. B. A. Tindall ...	10	0	0
Sijui ...	10	10	0
Mrs. R. M. Morgan ...	2	2	0
A. B. Melles ...	1	10	0
F. H. Eul ...	2	2	0
Dr. C. R. Metcalfe ...	16	0	
C. H. Jones ...	2	9	6
H. J. Moore ...	1	3	0
F. S. Sillitoe ...	1	0	0
H. G. Langham ...	1	17	0
H. Kruger ...	1	1	0
	£321	12	5

PERSONAL.

Since the publication of the last Number of the *Journal* we have heard with great regret of the death on active service or as prisoners of war of the following Old Kewites: G. H. Larsen, J. C. Nauen, and G. Spare. Notices will be found at the end of the *Journal*.

All members of the Guild will wish to offer sincere congratulations to the Director, Dr. E. J. Salisbury, F.R.S., on the Knighthood conferred upon him by H.M. the King on the occasion of the New Year's Honours for 1946.

It gives us pleasure also to record that the Director was awarded one of the two Royal Medals of the Royal Society for the year 1945 for his notable contributions to plant ecology and to the study of the British flora generally.

We offer our congratulations to the Assistant Director, Mr. J. S. L. Gilmour, on the news of his appointment as Director of the R.H.S. Gardens at Wisley. He will be greatly missed by all departments at Kew and by none more than the Student Gardeners whose interests he always had so much at heart. He commences his duties at Wisley on June 1st, 1946, and he takes with him our best wishes for a prosperous and happy term of office.

After forty-five years of service at Kew, Dr. T. A. Sprague retired from his position as Deputy Keeper of the Herbarium and Library on October 31st. Dr. Sprague, who is a graduate of Edinburgh University, is one of the foremost systematic botanists in the country and is recognised as the world's authority on the principles and technicalities governing the intricate subject of plant-nomenclature.

Miss E. M. Wakefield (President of the Guild in 1944-45) succeeded Dr. Sprague as Deputy Keeper of the Herbarium.

Mr. A. Osborn the Deputy Curator, having been in charge of the Arboretum for very many years, retired in 1945. We were very pleased to hear that he was awarded the M.B.E. in the 1946 New Year's Honours.

Mr. A. Osborn was succeeded by Mr. S. A. Pearce formerly Assistant Curator of the Decorative Department.

Miss E. V. Paine has been appointed Temporary Assistant Curator in charge of the Decorative Department, in succession to Mr. S. A. Pearce.

Mr. R. Holder, Acting Assistant Curator in charge of the Herbaceous Department, left Kew in November, 1945, to become Head Gardener to Sir Oliver Simmonds at Dunsborough Park, Ripley.

The various members of the Herbarium staff who left Kew with the evacuated material during the winter of 1940 returned to their respective duties during the autumn of 1945, with the exception of Mrs. T. A. Sprague who is at present carrying on her work near Oxford. Nearly all the material has also been returned and is now largely re-installed in its proper position.

We offer congratulations to the following to whom the Council of the Royal Horticultural Society awarded the Victoria Medal of Honour in Horticulture in 1945:

Mr. W. D. Besant for his services to horticulture as Director of the Public Parks and Botanic Gardens of Glasgow.

Dr. J. Hutchinson, F.L.S., Keeper of the Museums, Kew, for his work on systematic botany, and for horticulture generally.

We also congratulate Mr. W. H. Judd, on receiving the Veitch Memorial Medal from the Royal Horticultural Society in 1945 for his work in the Arnold Arboretum, U.S.A.

We add our congratulations to Mr. and Mrs. Charles H. Curtis who celebrated their Golden Wedding this year. Mr. Curtis and Miss Clara Hanson were married at the Wesleyan Methodist Church, Kew Road, Richmond, Surrey, on June 29th, 1895.

We were pleased to learn that Miss Edna M. Gunnell was awarded the O.B.E. in the King's Birthday Honours List for 1945. Miss Gunnell was a Reading student and served at Kew from September, 1900 till September, 1901, and afterwards held posts at Torquay, and in Germany and America. She retired from her work as Organiser of the Women's agricultural and horticultural work under the Devon County Council in July, 1945.

Another Old Kewite who received the award of the O.B.E. on the same occasion was Mr. T. E. Parsons, F.L.S., of Peradeniya. Mr. Parsons left Kew in 1913 and went to Ceylon as Curator of the Royal Botanic Garden, Peradeniya, where he has since remained and put in much very hard work.

We were glad to see Mr. J. N. Milsum on his return to England towards the end of 1945 after having been a prisoner of war in Japanese hands for some years. We were pleased too to note that he has been awarded the O.B.E. in the New Year's Honours, 1946, for services during internment and for directing the work of 1,200 men in the task of food production.

Very many old associations are brought to mind by the death of Lady W. Thiselton-Dyer, at Weir Quay, Devonshire, on December 16th, 1945, at the age of ninety-one years. She was Harriette, the daughter of Sir Joseph Hooker, second Director of Kew, and she married the late Sir William Thiselton-Dyer who succeeded her father as third Director and who retired in 1905.

Mr. A. J. Brooks has been elected Vice-President of the Old Swindonian Association, a Society he helped to found in 1903.

Congratulations may also be extended to the following who have been successful in recent examinations:

Mr. Hugh Hack who was successful in passing the College entrance examination for Clare College, Cambridge. He took up residence in October, 1945.

Mr. J. Souster for passing the Final N.D.H. examination in 1945.

Mr. H. Kruger who gained the Diploma of the Institute of Parks Administration.

Mr. R. M. Stuart Brown, Teachers Advanced and D.Inst.P.A. Preliminary.

Miss E. R. Fraenkel, Teachers Advanced and N.D.H. Preliminary.

Miss R. M. Ambrose and Miss E. D. Holyoake, N.D.H. Preliminary.

Miss H. Bird, R.H.S. Senior.

Mr. R. H. Andrews, Teachers Advanced.

Miss M. Evans and Miss K. Eperon, Teachers Advanced.

Mr. Brendan P. Mansfield who has recently been Superintendent of Parks and Gardens Department at Invercargill, New Zealand, has been appointed Director of the Botanic Gardens and Hagley Park at Christchurch, New Zealand.

Captain A. B. Melles, M.B.E., N.D.H. has been appointed District Inspector under the Imperial War Graves Commission and is now living at Salisbury. Mr. Melles left Kew in 1915 and after serving in the Royal Garrison Artillery was appointed to the Imperial War Graves Commission as one of the Horticultural Officers on the recommendation of the late Director.

Mr. James A. McPherson who left Kew more than 20 years ago (1924) has recently been appointed Superintendent of Parks, Auckland, New Zealand.

Mr. W. F. Downes is now Manager of the Elm Gardens, Normandy, Surrey, a 24 acre nursery which is normally devoted mainly to the growing of flowers.

Mr. N. J. Prockter who left Kew in 1937 and who has recently been at Messrs. Cheals Nursery is now Assistant Manager at Messrs. Webb and Sons of Stourbridge.

Mr. F. P. Knight, formerly of the Knap Hill Nurseries, has been appointed Managing Director of R. C. Notcutt, Ltd., The Nursery, Woodbridge, Suffolk.

Mr. T. J. Walsh, who has been engaged at Glasnevin for several years has been appointed Keeper of the Glasnevin Botanic Gardens, Dublin, in succession to the late Mr. J. Besant who was President of the Kew Guild for 1943-44. Mr. Walsh has spent some time studying at Kew.

Mr. John MacCartan, N.D.H., who left Kew in 1939 to take up a position at St. Benedict's School, Mortimer, Reading, has been appointed Curator of the Royal Botanic Gardens, Trinidad, B.W.I., in succession to Mr. R. E. Dean.

Mr. George A. Catt who for the past five years has been Curator of the Botanic Gardens, and Horticultural Adviser to the Municipality of Istanbul, Turkey, has taken up his new duties at Elstree, as Estate Manager to the Metro-Goldwyn-Mayer London Films.

Mr. F. L. Squibbs who went to the Gold Coast in 1939 as an Agricultural Officer from the Department of Agriculture, Seychelles, where he had been Director since 1933, has recently retired from the Colonial Service.

Mr. R. Band continues as the enthusiastic Secretary of the Gold Coast Agricultural and Commercial Society.

Mr. A. C. Miles retired from the post of Deputy Director of Agriculture, Gold Coast, in June, 1944. His foot-slogging treks, and knowledge of local economic plants are often recalled with admiration by the older members of the Department. After retirement as Deputy, Mr. Miles was re-appointed as the first Director of Overseas Marketing with headquarters in Accra. Visitors to Accra are always assured of a warm welcome from Mr. and Mrs. Miles.

The Rev. W. C. Smith, who was a Student Gardener at Kew between 1898 and 1902 has left St. Barnabas' Vicarage, Abbey Wood, and is now Rector of the Parish of Binegar, near Bath.

Mr. C. R. Stock has been appointed Treasurer to the Institute of Parks Administration in succession to the late Mr. E. Gibson, A.H.R.H.S.

We learn that Stephen Cutting is now in Japan with the 5th Army Air Force, and does not expect to be back in the U.S.A. again for some time. Howard Swift is also in Japan or thereabouts.

Mr. F. G. Goldsack, N.D.H., has been appointed by the Dorset County Council, County Organiser of School Gardens and Rural Science. His headquarters are at the Education Department, Shire Hall, Dorchester. We understand he was released for a time to go on tour in Northern Germany and give lectures on horticulture to the Naval Forces there. The work was undertaken on behalf of the Central Advisory Bureau to H.M. Forces overseas.

We learn from *The Gardeners' Chronicle* (April 8th, 1945) that Mr. J. Dyfri Jones who left Kew 45 years ago and who has been for 27 years in charge of the Garden Department of the Bourneville Village Trust, has just retired. Old Kewites who knew Mr. Jones will join in wishing him many years of pleasant retirement.

Mr. Montague Free who left Kew in 1912 retired from the Brooklyn Botanical Gardens during 1945 and is now working as Staff Horticulturist for the American Garden Guild, the publishers of the American monthly magazine entitled *The Home Garden*. The following is an extract from the August number of this Journal: "September 1st will be a red-letter day for *The Home Garden* and its subscribers, for on that day Montague Free becomes a full-time member of our staff . . . We may be pardoned for blowing a couple of loud toots on our horn, because, despite his unassuming modesty, Mr. Free stands at the top among present-day horticulturists."

Mr. J. E. Airey has left the Land Settlement at Potton and has now started a nursery business on his own at Crawcrook, Ryton-on-Tyne.

Old Kewites, and many other friends, will be delighted to learn that M. Louis Gentil (President of the Kew Guild 1914-15) is not only alive, but well and active. Formerly Curator of the Brussels Botanic Garden, he retired previous to the outbreak of war, but retained his position as Editor of *La Tribune Horticole* which, he tells us, is in abeyance because of the impossibility of obtaining paper for its production.

(From *Gardeners' Chronicle*, September 15th, 1945.)

Miss Helen J. Stent left Kew in February, 1945, having obtained an appointment at the Royal Botanic Garden, Edinburgh.

Miss Margaret C. Cowell who worked in the orchid pits at Kew left in March, 1945 to take up work in Mr. Ambrose Congreve's garden at Wingfield Manor, Ascot.

Mr. John Blowers left Kew in March, 1945 to take up an appointment in private service, where part of his duties include the cultivation of orchids and other exotic plants.

Mr. J. Nelson who came to Kew from Parks Department, Manchester, in 1941 left in August, 1945 to take up a position at the Bedebury Arboretum.

Mr. H. Zobel who came to Kew on June 10th, 1940, from Southwood Gardens, Hildenborough, Tonbridge, Kent, left in September, 1945 to take up a position in private service at Ealing.

Miss E. D. Holyoake who came to Kew in 1942 left in September, 1945 to take up a position at Trowbridge, Wilts.

Miss V. M. Clarke and Miss J. F. Pedgrift, Landscape Gardeners, who were two of the first women gardeners to come to Kew in September, 1940 have returned to their business address: The Vale, Broadstairs, Kent.

Mr. C. E. Drewitt who came to Kew in February, 1944 left in October, 1945 to take up a position as propagator in the Oldbury Parks, Warwickshire.

Miss Ruth M. Ambrose left Kew in December, 1945 to take up a position under the Imperial Bureau of Plant Breeding and Genetics, Cambridge, in connection with the Empire Potato Collection, in succession to Miss F. A. Sharps.

Miss M. C. Eady who left Kew in April, 1945 has taken up a position with the firm of Messrs. R. W. Gunson (Seeds) Ltd., 61, Mark Lane, E.C.3.

After 5 years service with the R.A.F. in India, Egypt, South Africa, Belgium and France, Mr. H. R. Cocker has returned to Villa Taranto, Pallanza, Italy, to resume his position there in charge of Captain Neil McEacharn's gardens.

NOTES AND GLEANINGS

Mr. H. N. Ridley, late Director of the Singapore Botanic Gardens and now in his ninetieth year, informs us that when he visited his old home, The Vicarage, Cobham, Kent, he found *Epipactis latifolius* growing in the Lime Tree avenue nearby in exactly the same spot that he used to gather it when he was a boy. Though not a Kewite, Mr. Ridley has been intimately associated with Kew for many years.

A specimen of *Cedrela sinensis* which was planted out in the Berberis Dell in 1894, bloomed for the first time in 1943 and again in July, 1945. The tree is now about 50 feet high and when in bloom is a striking sight with its panicles of white blossom about 15 inches long. The perfume of the flowers is like that of *Buddleia Davidii*. The young leaves and shoots, which have a garlic-like flavour, when crushed, are eaten by the Chinese.

A small shrub in the Rhamnus collection which has been at Kew since about 1919, remained unidentified for many years. The plant, a native of Kansu, is 5 feet high and has proved on later investigation to be *Sageretia paucicostata* Max. The small white flowers are produced in terminal clusters, and on short lateral branches which later develop into spines. The origin of the Kew plant is unknown.

April and the beginning of May, 1945 will always be remembered as one of the earliest seasons on record. A spell of frost which started at Christmas and lasted for three weeks was followed by uninterrupted mild weather and later in the middle of April by a phenomenal heat wave. In London a temperature of 80° was recorded and for 3 or 4 days it was only just below this figure at Kew. The result was a blaze of foliage and flowers. In mid-April the Forsythias and other early shrubs were past their best and many trees rapidly burst into full leaf—Lilacs, Horse Chestnuts and Red Hawthorn were in flower and trees were about three weeks before their time and some possibly four weeks. A rose was in flower in the Director's Garden on April 20th. Before the end of the month however there was a change, wind veered round to the north with cold squalls of rain and hail and the mornings of the last two days of the month saw the ground white with snow whilst the opening days of May brought night frosts of 5° or 6° which browned the shoots of Magnolias and other plants and killed the young shoots and flowers of many Azaleas and Rhododendrons. The new young growths of many of the newer Chinese species of Rhododendrons were so badly damaged that it means the loss of many of next season's flower trusses. New shoots later developed below those destroyed but not sufficiently strong to mature flower buds this season.

COCKAYNE GOLD MEDAL AWARD.

The Cockayne Gold Medal has been awarded Mr. T. R. N. Lothian, Christchurch, by the executive council of the Royal New Zealand Institute of Horticulture, as the best student, in the opinion of the examining board, in its diploma examination for 1945.

Mr. Lothian received his horticultural training in Australia, Christchurch, and Kew Gardens, England, later becoming an exchange student to the Munich Botanic Gardens.

After a period of war service, he began duties in November, 1944, as lecturer in horticulture at Lincoln College.

EXTRACTS FROM LETTERS.

"I am responsible for the repatriation of Luxembourg prisoners of war. North-east Luxembourg (one-third of my country) is completely devastated, but the Luxembourg people the more they have suffered the less they talk about it.

"Since 1940 I was a member of the French Resistance Party, but with my wife British and my son in the Royal Navy, I became a target for the Gestapo. I was arrested in 1942, condemned to death in 1943 but not executed as my file had been lost (through no fault of the Gestapo), released after 4 days and then re-arrested; finally I escaped for hidden freedom—miraculous! Fortunately my wife stood everything exceedingly well."

(From J. Bintner, Marseilles, 15th July, 1945.)

"I shall look forward to seeing you and hearing the Kew news on July 14th. I would not have missed my years in the Gardens for anything, it was a lovely experience."

(From Miss K. Cornford, London, July, 1945.)

"Liberated on 19th April. My family and I are all well. I hope to visit your country soon again. We are very thankful to you all."

(From Jan Bausch, Holland, April, 1945.)

"I regret very much being unable to come to the Annual Meeting of the Kew Guild on the 14th; it would have been a great pleasure to have possibly met a confrère of 1887. I should be glad if you will enrol me as a Life Member for which I enclose a cheque for £2."

(From Temple Powell [aged 82], Twickenham.)

"After 4 long years of sufferings, we are free again thanks to the gallant soldiers of your country!

"I hope that you are still in good health and that the Gardens have not too much suffered. I write you this letter to say that if a Kewite passes through Ghent, he will be always very welcome at my home. In the hope of being able to return in some way the kindness you always showed me and to meet you again in the near future."

(From Prof. O. F. Wuyts, Ghent, Belgium.)

Kewites who have worked in the Aeroid House may be interested in the following remarks as to *Amherstia* by Captain Kingdon Ward in a letter dated Assam, 25/2/45.

"It was sad to see the Peradeniya Botanic Gardens so misused, though I don't think much actual damage has been done, and they are keeping the place up as well as may be. For the first time in my experience *Amherstia nobilis* was in full bloom—a whole row of it—and flowering really well. I have always scoffed a bit at this tree, thinking it overrated but this time I was impressed. It was a wonderful sight and the long lax racemes of red flowers hanging clear of the leaves made a fine display. All the same the young foliage which hung down limply suggested bits of raw meat being sun dried."

(An account of this remarkable plant will be found in the Botanical Magazine, t. 4453.—*Editors.*)

"We are living in small tents and bamboo huts in semi-jungle country and the bird life and vegetation is most interesting and I am continually racking my brain for the names of specimens whose slender representatives I used to see in the Palm House at Kew. In the little clearing where we are the ground is covered by tufts of *Mimosa pudica* which I didn't recognise until I saw its movement as its foliage here is copper coloured. It recovered to its normal position within 30 seconds. *Strobilanthes* is very common in the undergrowth. *Melia*, *Bauhinia*, *Sterculia*, *Carica*, *Musa*, *Ficus terminalis*, *Eucalyptus*, *Bombax*, *Butea*, *Brownea*, *Strelitzia*, *Lantana*, etc. are also well represented. The insect life is interesting, a little too much so when having our evening meal by a hurricane lamp, and we have a busy time sorting them out of our food. I often wonder how many of the wretched things I consume without knowing it and if they contain any vitamins.

"Darkness is the signal for a whole pantomime of jungle noises which go on till dawn. We get the wailing and beating of drums from the distant villages accompanied by the howling of jackals and croaking of frogs amidst the incessant buzz of crickets and other nocturnal insects. Frogs, lizards, and rats abound everywhere and intrude into our huts and tents and there is a constant shower of fine sawdust from boring insects in the bamboo joists of the huts but on the whole it is quite pleasant.

"It is cool today like a summer's day at home and I am writing this outside in the afternoon sun. A herd of goats are browsing on the scanty stubble in the clearing while high overhead five Bengal Vultures are wheeling tirelessly. A kite has just carried away the remains of my tea from the table by my side. They would snatch it out of your hand if you are not prepared for them.

"I visited quite a number of very fine gardens while I was in India around Bombay and Lahore. The latter is the best place I have seen in India and one part of it is very well laid out especially a long wide avenue called the Mall which is bordered with well kept

grass and tall Eucalyptus in which flocks of multi-coloured birds can be seen, green and blue being the predominant colours. The whole effect of that particular district was distinctly pleasing especially in the morning sun. I rather like the character of the Indian races with their philosophical outlook and quiet, resigned manner. The few I have met so far have struck me by their intelligence, friendliness and hospitality."

(From Captain A. H. Pettigrew, R.E. South East Asia Command.
22/4/45.)

"We are, of course, now in mid-winter here and it is not easy to ascertain the exact number of casualties in the garden. It is, however, quite obvious that very little major damage has been caused and the gardens as a whole have suffered much less than I expected. There seems to be remarkably few losses among the trees and shrubs, while many of the specimens have grown and developed almost beyond recognition, but we shall have to wait until the spring before we can see what has happened to such items as lilies and other bulbs. The weather is now sunny and dry but bitterly cold and the ground is frozen hard . . . The growth some plants have made in five and a half years is really amazing, especially among the Magnolias, Conifers and Willows . . . It is pleasing to note that large specimens of Camellias, Paulownias, Acacias, Magnolias and Viburnums are laden with flower buds for the coming spring. Captain McEacharn hopes to be here in March.

"The cost of living is terrible, eggs at 1/- each; potatoes 1/6d. per lb.; no sugar at all; no coal, and wood £1 per cwt.; salt 2/6d. per lb., a rabbit 25/- and so on. Bread is very severely rationed and workmen's wages have increased to ten times their pre-war level. In spite of all this people manage to live and in the streets of Milan and Rome there seem to be few signs of poverty, although there must be a great deal of real distress and suffering. There are signs that prices will soon fall."

(Extract from letter from H. R. Cocker, Villa Taranto, Pallanza, Italy, 20/12/45.)

"I hope to return to Malaya for a short tour, in the spring. Actually, I can retire now under the age limit but I am anxious, if possible, to do what I can for the Department where I have worked for 32 years. The Nipponese have made a great mess of things in Malaya and will take much hard work, from those who have had previous experience in the country, before matters may be righted . . . With regard to internment, we at Changi and Sime road camps were generally fortunate. Many died from illness and some from the hands of the Nipponese but on the whole we came through fairly well and since leaving Singapore, most of us so far as I can see, are rapidly becoming normal. It was most fortunate that at both camps we had land available for gardening as it was due to the production of vegetables, on a very large scale, that we were able to live. I

have a collection of seeds with me of those vegetables which we grew and eat and perhaps Mr. Campbell might think it of sufficient interest to grow these for exhibition at Kew during the forthcoming spring.

"All Kew men, and the Director, R. E. Holttum and the Assistant Director, E. J. H. Corner, came out safely from internment but a number of officers of the Department of Agriculture, died in Siam and elsewhere. My weight went down to 7 st. 11 lbs. and many were much worse but with the return of good food, we are soon making up for what we lost."

(Extract from letter from J. N. Milsum, Farnham, Surrey.

10/11/45.)

KIRSTENBOSCH: THE NATIONAL BOTANIC GARDENS OF SOUTH AFRICA.*

By F. W. THORNS.

The natural lay-out and the magnificent setting of Kirstenbosch makes it one of the finest and most beautiful Botanic Gardens of the Empire. It is very largely, though not exclusively, given up to the cultivation of South African plants and to a large extent these can be seen growing not merely in systematic collections but under semi-wild conditions. Indeed most of the area covered by the Gardens consists of native scrub and includes the wonderful forests of Silver Tree, *Leucadendron argenteum*, a member of the Proteaceae, which clothes the slopes of Table Mountain.

The National Botanic Gardens are situated about eight miles from Cape Town and on the eastern slopes of Table Mountain. Early records show that the land was formerly controlled by the Government and was used as a source of timber for ship building and other purposes. Today, after nearly 300 years, we can still see part of "van Riebeeck's Hedge" of *Brabeium stellatifolium* (Proteaceae) planted about 1660 to mark the boundary of Cape Colony. There are also traces of old buildings erected later when the area was occupied by a garrison.

The name Kirstenbosch (which is believed to be derived from a man named Kirsten and not from any deer-like animal which lived in the forest) dates from 1811. The estate was farmed up till 1925. Many specimens of European Oak (*Quercus robur*) were planted during this period to provide acorns for fattening pigs, and the lower slopes were laid out as orchards, vineyards and vegetable gardens. In 1895 the farm was purchased by Mr. Cecil Rhodes who laid out what is now part of the main road running through the estate. He had it planted with Oaks, Chestnuts and Moreton Bay Figs (*Ficus macrophylla*). Plantations of European Pines especially *Pinus Pinaster* and to a lesser extent *P. Pinea*, and Australian

* The magnificent photograph reproduced herewith was sent by the Cape Publicity Association. A brief text was kindly supplied by the Curator of Kirstenbosch, Mr. F. W. Thorns. Space does not permit the publication of a full account.—Editor.

Eucalypts were also made. At Rhodes' death in 1902 the property was left in trust "for the people of South Africa" but until it was selected eleven years later for the National Botanic Gardens, it was largely uncared for.

The area of the Kirstenbosch Gardens is about 1,200 acres, of which 70 on the lower slopes are cultivated. Most of the remainder including the upper slopes is indigenous bush and forest though the latter suffered through heavy cutting many years ago. The Gardens possess a wonderful vertical range extending from 300 feet above sea level at the lowest boundary, to 3,566 feet, the highest point on Table Mountain.

One of the most interesting features of the Gardens is the Dell, a shallow valley watered by a stream. Here are planted many beautiful trees such as *Podocarpus falcatus* and *P. latifolius*; *Trichilia emetica*; *Eugenia cordata*; *Erythrina tomentosa*; *Virgilia oroboides* and *V. divaricata*; *Pittosporum viridiflorum*; together with flowering shrubs such as *Bauhinia Galpinii*; *Dais cotinifolia*; *Pavetta lanceolata*; *Erythrina Humei*; *Burchellia capensis*, etc. At the head of the Dell a natural amphitheatre contains the Cycad collection with all the African species represented. Enclosing the Dell is the Horseshoe Path which is bright with *Leucospermums* and other proteaceous shrubs in the spring, and behind it is the native Silver Tree forest and the marvellous collection of *Proteaceae*. Fourteen genera are native to Africa and nearly 350 species, and many of these are represented in the collection. Those that are found wild at the Cape are left to grow in a semi-wild condition. The wonderful collection of *Ericaceae*, all of which are natives of South Africa, is found in the wild garden close by. At a lower level the slopes are sown with spring-flowering annuals where there are sheets of *Ursinia*, *Dimorphotheca*, *Heliophila*, *Felicia*, and the like. These form one of the major attractions of the Gardens in our spring and are at their best in October.

The Rock Garden is not given over to a collection of alpinas as in England but is devoted to succulents. These are quite at home amongst the rocks and include a good collection of such genera as *Staworthia*, *Mesembryanthemum* and all its segregates, *Cotyledon*, *Crassula*, *Gasteria* and many *Euphorbia*. The Aloes make a magnificent show about the month of June. Many of the true xerophytes will not survive our winter rains (average fall about 55 inches) and a very large number have to be kept in pots under glass. Another feature of the Gardens is the exceedingly fine collection of South African bulbs including such genera as *Gladiolus*, *Babiana*, *Sparaxis*, *Sreptanthera*, *Ixia*, *Romulea* and *Morea* which are the most colourful. Altogether there are well over 300 species. Moles are a great nuisance here and in order to preserve the bulbs from this pest it has been necessary to sink a concrete wall around the entire bulb nursery.

The first Director of Kirstenbosch was Prof. H. H. W. Pearson, who previously held the position of Assistant to the Director of Kew,

and it was largely due to his vision and untiring efforts that the institution was originally established and on such sound lines. Unfortunately he did not live to see the full result of his labours for he died a few years after the Gardens were founded. The subsequent development and direction of the Gardens are therefore the work of the present Director, Pro. R. H. Compton, who was appointed in 1916.

Mr. J. W. Mathews who came from Kew in 1913 was the first Curator and he held office from that date until 1936 when I succeeded him. Other Kew men who have served at Kirstenbosch are: A. W. Maynard (1915-18), F. J. Cook (1921-29), H. M. Holloway (1928-29), G. A. Davis (1932-34), L. B. Creasey (1935-37), H. F. Davies (1938, now on war work).

CO-EDUCATION AT KEW

(With brief observations on "Established Principle").

By H. J. KRUGER, D.I.P.A.

Historical Survey 1896-1946.

Fifty adventurous years—a period of great changes, an era which commenced with the "Naughty Nineties" and ended with the release of atomic energy, a memorable age of memorable happenings. It was in this period—1896—that co-education at Kew had its birth. Posterity will be its judge and, no doubt, give full praise to those pioneers, honour them for accepting the hard unknown in order to break the bands of tradition, honour them for the success that is recorded in the *Guild Journal*. Even as it honours—so will it decry and condemn the ribald ode of that day, "The lady in knick-knacks who gardened at Kew". Many famous lines have been written since, lines which show, unwittingly, the mental agony which had to be endured before embarking on such a task.

Official information on the early 1900's is vague, a single feminine name occurs at odd times and, not until the Great War did such names appear in quantity; in 1915 some 30 Women Gardeners are mentioned—yeoman service was given in the following five years, and, at the approach to normality, fulsome praise bestowed. (That this service was recognised is shown by the fact that a small number were allowed to remain for a time, departing finally in 1922.)

To date, these had had no effect on "Established Principle", lecture and Mutual was attended in a truly co-ed manner, co-education however, was not as yet complete. It is true that in 1917 the feminine side of co-ed became represented on the Guild Committee, the Mutual Secretaryship too, had been graced by a lady—but, to effect this, in 1918 the Mutual failed to function (owing to the inability to provide a syllabus)—in spite of the large number of women still available. It is difficult to understand this failure, but, a rare chance in emancipation was lost.

The years following 1922 were barren—Man's egoism had closed the door—it took another World War to open it. And so, in 1940

dawned the Golden Era of co-education at Kew, Woman entered, sat and spoke in full council in the seats of the mighty—"Established Principle" began to totter.

It would be well, in closing this survey, to contrast the courage of the pioneers, they who left secluded homes of a Victorian atmosphere, braved ridicule and the hard uncertain future, to find a new enterprise for their sex—with the courage of the more modern adventurers. For the latter, it is sufficient to recall that they entered the precincts at a time when, for many miles around all were in flight, they came in days of inky darkness, like their forebears they faced the unknown, a different unknown—it came from above—they watched and fought on equal terms, yet they found time for play and they made co-education at Kew a reality. They came, they fought, they conquered, conquered the enemy without and the evil within—"Established Principle"—for had they not sat nightly in the Director's office for weary years! The power was upon them. Was this a Good Thing or a Bad Thing!

General Aspect.

Ancient custom allowed of many things, chief among these being the waiving of any set sartorial requirement prior to the breakfast break. Indeed, the favoured garb appeared to be a rather loud pattern of night attire with morning dress carried in a casual manner over the arm, or, some resplendent evening dress of the night before. It is paradoxical that, whilst this era saw the abolition of these make-shifts for more sombre and serviceable robes, the voluminous dress—the "knick-knacks" of the feminine forebear were abandoned for a style that was in complete accord with the tropical flora to which some attended. It was written in good faith of this period:

"They flocked through the gates—not always with ease
Young men—and old men with wobbling knees
Both came to see—the old to renew
The vision of ladies—in scanties at Kew."

Thus ceased, almost overnight, a very long standing degenerate tendency in sartorial habit on the male side. In addition, co-education had a decided effect on the "Manner of Approach and Address", a mellowness on the part of the official staff, combined with great forbearance became apparent, all and sundry were noted as adopting a more refined style of speech, foregoing the occasional use of superlatives in moments of stress. All this, it will be noted, was a "Good Thing", directly attributable to co-education.

Practical co-ed.

It was here, for some little time, that co-education failed to make the hoped for progress—not through lack of diligence or enterprise, but as the result of the inbred maternal instinct in woman—to succour the weak and allow the strong to fend for themselves. This lack of ruthlessness, the unwillingness to exterminate the unwanted, the manner in which the winged and unwinged frolicked in blissful contentment and their kind multiplied—this was a "Bad Thing".

Time and patience overcame this difficulty, and, to the already acquired power was added ruthlessness—the forerunners of success; no longer could it be said :

“She stood there—white faced, cold and numb,
Squashing a greenfly with her thumb.”

Theoretical Co-ed.

In this sphere, complete success was noted from the outset. Permission having been granted in 1941, effort on the part of the feminine side of co-ed resulted in the resuscitation of the Mutual. An initial lack of zest for public disputation was conquered, chivalry placed on one side and so, the venture prospered. Emboldened by this, co-education flourished and resulted in a scheme of lectures and demonstrations being arranged, despite the difficulty of war conditions, both inside and outside the Establishment.

N.B. The effect of all this on the prudish modesty of the male students was most illuminating—Biological and Genetical discussion on abstruse themes being eventually carried on with the utmost *sang-froid*. Co-ed botanising too received a great impetus, particularly on balmy spring evenings when earnest students, in close and deep discussion, could be observed studying particular flora. This was a “Good Thing”, the final bridge was built by this close co-operation between the students. Does this mean “Complete Success”?

Conclusion.

Reflective mood and searching criticism of this period will agree on its smooth running and general success, co-education in practical Horticulture appears an established fact. Whither will it lead? The male student, in competition with his female counterpart will undoubtedly rise to greater heights—the woman, starting on the lowest plane, has successively grasped the necessary attributes to success, and held them—at Kew. What of the world outside, a doubting, sceptical world—is it to be success or—

Into this Kew, and why not knowing,
Nor whence, like water willy-nilly flowing;
And out of it, as wind along the waste,
I know not whither, willy-nilly blowing.

A TALE OF KEW GREEN.

To me Kew Green has always been, and still is, a most treasured piece of English soil. About 1870, my mother bringing me up in the way I should go sent me to the Post Office, kept by one Taylor, the village baker with a sovereign to get changed. I was to be sure a half-crown was included in the change. It was a Thursday afternoon and the half-crown was required for my father to throw out of his bedroom window next morning as a gratuity to the night Constable who used to wake him at 5 a.m. with a clothes prop tapping on the window. Friday was the last lecture day of the week. There was no Kew Gardens Station in those days and my father always drove in a “four wheeler” to Hammersmith at 6 a.m.

and then by the Metropolitan Railway to Gower Street. His lecture at U.C.L. was at 8 a.m. (it was of course a horse-drawn cab and a steam train and the Gower Street tunnel was one of the smokiest in the Underground). Well, Mr. Taylor banged down the change. I insisted that I was to take only half-crowns . . . obsessed by this instruction and being obstinate then (as I am now) I picked out the coin and set out for home. Passing the long ivy covered wall of Cambridge Cottage the temptation to turn somersaults on the railings of the Green overcame me and when at length I reached Herbarium House there was no half-crown in my pocket. As the situation was too complicated for me, my mother accompanied me back to the Post Office, there to find 17/6d. awaiting me . . .

I have seen Bank Holiday crowds dancing and playing on the Green till the surface was worn bare as the desert, and the flood making an island of the church and people cruising about in a boat. What I never saw was the Royal Procession from Windsor which proceeded in state right across the Green as recorded in Fanny Burney's Diary.

(From Prof. F. W. Oliver [now in Egypt] the son of Prof. Daniel Oliver, the first Keeper of the Herbarium.)

LONG AGO IN LUXEMBOURG.

By H. H. THOMAS.

The Grand Duchy may be different now, but my memories are of a land of tumbling waters, deep valleys, high, wooded hills, picturesque towns and ruined castles with romantic histories, a smiling land of homely festivals—battles of flowers and dances in the streets—and famous for its roses.

In happier days it was an ideal holiday ground, a paradise for pedestrians. One could scarcely get lost in Luxembourg, and need never ask the way. Sign posts abounded, pointing to paths so well defined that they could not be missed.

If, for example, the letter B was the sign for one's destination, it remained only to follow the B's that were graven on trees, painted on rocks and clearly shown by signboards large and small, along the whole route. I stayed at the little town of Ettelbrück and from there explored the valleys of the Sûre, Alzette, Our and Erenz.

From the old town of Diekirch, close to Ettelbrück, a light railway ran up the valley of the Our as far as Vianden, a picturesque village surrounded by magnificently wooded heights and dominated by the ruins of a 13th century castle. Hard by the bridge that spans the river stood the house in which Victor Hugo once lived.

I went from Ettelbrück to Grundhof and explored the fascinating valley of the Erenz, reaching the village of Beaufort which was not less famous for its liqueur than for its 16th century castle. For mile on mile I followed the river through woods of pine and birch and sometimes beech or ash, with rowan trees and maple scattered here and there. The valley was strewn with rocks, cushioned green with moss, crested grey with lichen, and every nook and cranny filled

with fern. There was something Scottish about it but all the time you were conscious it was not British.

I walked to Berndorf and Echternach, passing along a vast hill-side of forest, and reached the summit of boulder-strewn heights commanding views of the Duchy's hills and dales. The waters of the Sûre were a sparkling, sinuous thread in the middle distance, and beyond lay the rolling downs and pasture lands of Germany.

There came an enchanted hour after I had left the village of Mersch in the Alzette valley, passed by the castle of Schönfels, and arrived within sight of the hill village of Hollenfels. The path led across upland meadows where roads were bordered by apple, plum and damson trees so characteristic of many parts of the continent, that offered tempting fruits to the jaded traveller, but were left untouched; it dipped to where two lone valleys met in the enfolding hills and here, in silence and solitude that seemed absolute, stood a Dominican monastery.

In the wood behind the chapel the paths led through pillared aisles of fir—so dense, so tall, so sombre-leaved that the slope was in perpetual shade. White-robed, crimson-capped Dominicans slowly climbed the winding walks, pausing now and again to rest on the rustic seats which they themselves had made—silent, absorbed and picturesque figures, aloof from the world, oblivious to the flight of time.

DARKEST KEW.

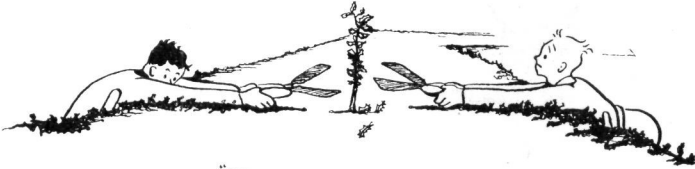
By J. SOUSTER, N.D.H.

After following the shore of the Great Long Water for some distance, I headed southwards into the Conifer Belt and came at length to a clearing surrounded by an almost impenetrable barrier of holly. My spirits leapt at this discovery. Had I by chance stumbled upon that tribe of Tree Worshipers of which so little is known, even at the nearest settlement of Melon Yard? Determined to find out more, I suppressed my fears and eventually found a way into the enclosure. Almost at once I encountered a small boy who appeared greatly astonished to see a stranger, but I made signs of friendship and he led me to the ruler of the tribe, a sort of High Priest. I afterwards discovered that many legends surrounded this learned elder but even legend could not recall a time when he did not reign, so long had he been their ruler. To my relief, he received me with kindness and courtesy, and after we had exchanged gifts as a token of friendship, he made signs to me to put on the CEREMONIAL MOCCASINS which symbolised my acceptance into the tribe. So it came about that I was permitted to live and work with these people for a whole year, and to write the first authentic account of their life and customs.

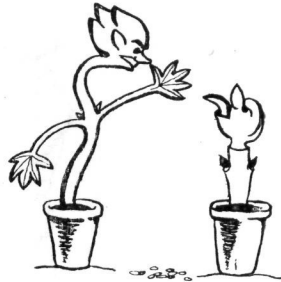
Within the encircling barrier of holly, which grows THICKER AND THICKER EVERY YEAR, this small community wrests a living from the



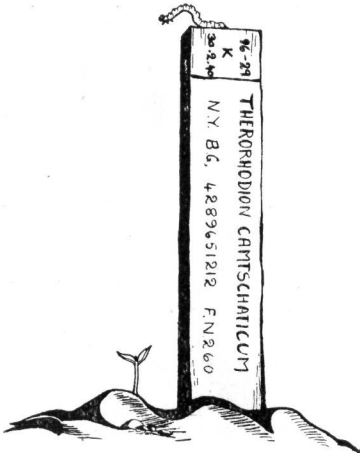
"CEREMONIAL MOCCASINS"



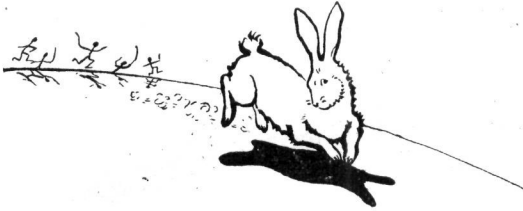
"THICKER AND THICKER EVERY YEAR"



"RUDE CULTURE"



"CHARMED"



"FIERCE AND FURRY QUADRUPED"



"DEVOTIONAL EXERCISE"



"STRONG ATTACHMENT"

barren soil. Remote from the progress of the civilised world, they have evolved their own RUDE CULTURE, so distinct from that known elsewhere that it is difficult for the stranger to grasp the full significance of all their ways. There is, for instance, the annual Festival of Charms which falls shortly after the summer solstice, the exact date being fixed by the High Priest himself. The ritual, however, is entrusted to a junior member of the Order who is assisted by a neophyte, and together they tour their lands attaching to the branches or thrusting into the ground at the foot of their plants little wooden charms bearing mysterious marks, such as :

Rhododendron Przewalskii 235-28 RSVF, xxx.

or

Atraphaxis Muschketowii 123-45 E & OE. 3/2/45.

This ceremony, which lasts several weeks, is probably intended to provide signposts for wandering plant spirits, so that they may regain their former abodes, and to frustrate the Evil One who, by stealing and confusing the charms, seeks to capture them.

In contrast with this Evil One is the enemy who steals the plants but leaves the charms. One would at first regard this as a more tangible foe, for it appears in the form of a FIERCE AND FURRY QUADRUPED with long ears and a short tail, but in spite of the most energetic combined operations nobody has yet succeeded in touching it. Perhaps after all it is but another forest spirit.

With the arrival of the Moon of Falling Leaves, I was to witness another rite known to the native as "checking". The circuit of the lands was this time made by two young women of the tribe, one going from plant to plant chanting dolefully, while the other made strange symbols in a book reverently produced by the High Priest from a secret hiding place. I inferred from the attitudes assumed that this was a DEVOTIONAL EXERCISE.

The other great Festival, which is celebrated in the depth of winter, is Snow Wafting, in which young and old, men and women, share alike. Led by the High Priest himself, the whole tribe disappears into a whirl of flying tools and snow, and when at length the activity subsides the snow which was here . . . is there! Very great importance is attached to this.

The time passed quickly and pleasantly. I felt a growing regard for the tribe as something of their ancient wisdom was revealed to me, and I came more and more to share in their STRONG ATTACHMENT to plants. But I felt also an increasing longing to return to civilisation. At length I resolved to go, and the whole tribe, with their accustomed kindness, assembled to bid me farewell as I took the track for Melon Yard.

Other travellers will doubtless visit this people and investigate the many problems that filled me with wonder. But let this be done without disturbance, never forgetting that the survival to this day

of their remarkable customs and strange mode of life is due to segregation and to long isolation. It would be a calamity if contact with the outer world should lead to the passing of so interesting a culture.

P.S. Examples of native art by a woman member of the tribe are depicted.



TAIL PIECE

THE ASSOCIATION OF KEW GARDENERS IN AMERICA, 1945.

Whenever a flower show is being held anywhere, a congregation of gardeners is sure to be found. The Spring Flower Show of the Massachusetts Horticultural Society, held at Horticultural Hall, Boston, March 10th to 17th, 1945, was no exception, and attracted to its halls several Old Kewites. This was the only show of any major proportion held in the United States this year, thereby giving them an opportunity to hold their twenty-eighth annual meeting on Saturday, March 10th, at 6.30 p.m., at the Minerva Hotel. It was naturally a small meeting, but war-time restriction on travel being still effective and there being no spring show in New York, it was not considered advisable to meet there under these conditions. In a year or so we hope to resume the convivial times enjoyed in that city previous to hostilities in Europe. The Boston show featured "Springtime in America", depicting gardens of the south-west, and a redwood forest of California. As usual large crowds were attracted to this exhibition every day. The Kew men in attendance were Robert Cameron, James Brown, H. E. Downer, E. K. Thomas, Mr. and Mrs. John Ellis, W. H. Judd, together with several guests of horticultural talent. After dinner a short business meeting was held, followed by a general discussion on past experiences at Kew. Mr. Judd gave an account of an horticultural trip made by Mr. Cameron and himself to gardens, nurseries and institutions in the vicinity of New York and Philadelphia during August of 1943, during which time several Old Kewites were visited. Mr. Thomas devoted some time to a detailed report of plans concerning the proposed National Horticultural Foundation, or whatever title is finally adopted for it, which is being sponsored by Mr. Robert Pyle of West Grove, Pennsylvania. After a delightful social evening, the meeting adjourned at 10.30 p.m.

W. H. JUDD, *Secretary.*

AMERICAN FORCES PERSONNEL AT KEW.

During 1945 many members of the United States Army came to Kew for "On the job" training designed to refresh and supplement the previous experience of American military personnel.

Those who came were most enthusiastic in their praise of the facilities extended to them and it was agreed that in addition to the professional benefits, they had developed a better understanding between a few individuals of the British Empire and the United States. Since their return to America, many letters of appreciation have been received from individuals. It is with pleasure that we publish the following letter received from Robert S. Reich, which is typical of the appreciation of our American friends, who were able to avail themselves of the facilities for studying landscape design and horticulture in this country, through the co-operation of the American University at Shrivenham, Berkshire, and our own institutions.

AGA-AGRI-HORT 33.

HEADQUARTERS,

SHRIVENHAM AMERICAN UNIVERSITY,

APO 756.

ACADEMIC DIVISION,

U.S. ARMY.

Dear Friends,

5th December, 1945.

Today Shrivenham American University closes its doors. You are among the many of our English friends who have been invaluable in helping us organise our landscape design courses and garden trips. I wish to take this opportunity of personally thanking you for your very gracious assistance.

Having seen so many beautiful English gardens, we all will return to the United States more inspired in our chosen field of landscape design. Of even greater significance are the many friendships we have made with you. Not only have we learned to drink tea instead of coffee, but also we have learned to understand many other little differences between your and our ways of life. We hope, and we know you do too, that through our newly formed friendships we may have accomplished some small bit toward better understanding and unity between our two great nations and thus toward lasting World Peace.

Very sincerely yours,

ROBERT S. REICH.

Chief Warrant Officer,

Horticultural Branch, Agricultural Section.

CAROLS.

Although a colourful poster had adorned the notice board for a week, with an open invitation to Kewites to join a carol party, the response was at first disappointing. Half-an-hour after the stated time, only three singers had arrived. A fourth was obtained by the questionable method of enticing a student from a proposed evening's work in the Library on the classification of the Pteridophytes. Time rolled on, and the four stood shivering outside the Curator's Gate, reflecting bitterly on the probable etymology of "Waits". We could not start without J—who was to bring that essential item, the "Lanthorn", but we consoled ourselves to some extent remembering the promise of a cup of tea each when we called at a certain number in Mortlake Road. Several parties were sent out in two directions, and at last J was located and led to the place of assembly, carrying a strange contraption compounded from a candle, a tumbler, a piece of wood, some split canes, a strip of coloured paper and a length of copper wire. It should be mentioned though, that in spite of some natural anxiety caused by scorching smells and one minor conflagration, this model of ingenuity fully justified itself in the course of the evening.

Feeling rather self-conscious, we set off down Mortlake Road, all minds upon that cup of tea, but alas, after a lengthy search we were forced to conclude that a house with the stated number was non-existent. Lesser spirits might have been daunted before now, but a grim determination had settled on the party and we were going to sing, come what may! And what did come? At the first two houses, nothing at all. At the third, after one verse, a request that we should go away, a reflection on our talent for which not even a coin for our collecting box could wholly compensate.

It has been remarked, in military matters, that the side which holds out longest may achieve success in the end. So it was that by sheer perseverance we snatched victory out of the very jaws of defeat. Our luck turned when we saw a small boy and girl across the road singing on their own account, and we invited them to join us. Then we sang outside the lodgings of an aeronautical colleague and won him to our cause. His infectious good spirits gave us new hope, and under his leadership we sang as never before. In Gloucester Road we gained a comrade with two spare half-pennies which he kept dropping to make believe that money was being showered on us from the windows. Nothing could stop us now. We sang in Forest Road, in Haverfield Gardens, and in Bushwood Road, recruiting as we went, until we numbered a full dozen voices. Then our two young friends decided to go home, and soon after two of our own number, feeling the strain of their vocal efforts and having filled their lungs with fog, were also obliged to withdraw, but the remainder, nothing daunted, swept across Kew Green to conclude the evening in the true spirit of the season, by singing outside the homes of the official staff.

Next day, we learned with considerable satisfaction, and perhaps a touch of artistic pride, that our collection for the Richmond Hospital amounted to fifteen shillings.

J.S.

OVERHEARD AT KEW.

Visiting Workman : " Say mate, is this the Temperance House?"

Old Lady (pointing at fruits of *Howea Belmoreana*) : "Are those olives?"

Foreman : " Why no, madam, that's a palm!"

Old Lady : "Ah, yes, Palmolives!"

Visitor to wife : " Look, Clara, *Solanum crispum*. That must be the plant which yields potato crisps."

Elderly Lady (watching woman gardener de-bugging *Coleus Blumei* hybrids with a brush) : " There now, I always thought those colours were painted on!"

WEDDING BELLS.

Harry A. Cossom to Evelyn May Allsopp, at Christchurch, Radlett, Herts, on May 26th, 1945.

Miss Brenda C. Watts to Sgt. Reginald Woodrow, Canadian Air Force, at St. Peter's Church, Ealing, on July 14th, 1945.

E. J. S. Willett to Miss J. Parramore, at St. Mary's Church, West Malling, Kent, on March 12th, 1944.

Johannes D. W. Cramer to Betty N. Shepherd, at St. Anne's, Kew Green, on August 11th, 1945.

Miss Frances Amy Sharps to Mr. Denys George Ashby, at St. Paul's Church, Belvedere Road, Liverpool, on December 27th, 1945.

Monsieur Jean Commeau to Mademoiselle Andrée Lacroix, at the Chapelle Saint-Pierre, Boulogne, on December 15th, 1945.

Mr. Henry R. Cocker to Miss Roma Zia, at Pallanza, Lake Maggiore, Italy, on December 22nd, 1945.

Miss Helen Stent to Mr. Anthony J. Albert, at St. Francis Church, Maidstone, Kent, on Saturday, June 30th, 1945.

In Memoriam

A. E. SMARTT.

It is with regret we record the death of Mr. Arthur Ernest Smartt, of Black Charles Cottages, Under-river, who passed away recently after a long and painful illness borne with great fortitude, at the age of 57 years.

A native of Drogheda, Ireland, Mr. Smartt came to England soon after leaving school and served a two years' apprenticeship at Kew Gardens. He was in his early twenties when he came to Ovenden, Sundridge, where for over thirty years he was head gardener to Lord Plender, until the house was destroyed by enemy action during the "blitz" period.

The gardens at Ovenden were one of the show places of the district and the cultivation of flowers—carnations were his speciality—was Mr. Smartt's life interest. He was a prominent exhibitor, and for many years there was the friendliest possible rivalry between himself and the late Mr. W. H. King in the neighbouring village of Brasted. When not an exhibitor he was in great demand as a judge, whose opinion was unquestioningly accepted. He was also an enthusiastic bee-keeper.

Mr. Smartt also found time to take a lively interest in village affairs and was for a number of years a member of Sundridge Parish Council. He was also Chairman of the Working Men's Club for some years. Even when, three years or more ago, he took up the position of head gardener to Mrs. Bussell at Black Charles, Under-river, Sundridge remained "home" to him.

During the first world war Mr. Smartt served with the 17th Tank Battalion and was for a few months a prisoner of war in Germany. A year or two before the recent war he joined the Special Constabulary, and even when his health began to fail he remained a most conscientious member of the Force. He was a member of the Amherst Lodge, 1223, of Freemasons for many years and was Worshipful Master in 1937.

Mr. and Mrs. Smartt were married at Tunbridge Wells in 1913, and there is one son, John ("Jack"), who has been in the Army for four years and has served in North Africa. There is also one daughter, Mrs. Edwards.

ALEXANDER HISLOP.

It is with regret that I have to report the death of Mr. Alexander Hislop, in hospital at Bulawayo, on April 2nd, 1945, aged 65 years, from coronary thrombosis.

A promising career was cut short when Hislop, still a young man, had a severe illness which left him partially paralysed and defective in speech and memory. His love for his profession and memory in respect of plant nomenclature was, however, not impaired, and for more than a quarter of a century he did much good work with trees and plants in the grounds of hospitals and institutions at which he made his home.

Briefly, Hislop's history since leaving Kew in June, 1902, as I know it, is as follows: In 1902 he came to South Africa to take up a

post as Superintendent of the Municipal Gardens at Oudtshoorn, Cape. In 1904 he became Curator of the Botanic Gardens, Pietermaritzburg, Natal, where he earned the thanks of the Committee of Management of that time for his excellent work in connection with the thinning of the fine collection of trees, which had become overcrowded, and the general improvement of the Gardens. In November, 1906, he returned to England to succeed his father on the latter's retirement as head gardener at Bletchley Park, Bucks. This change, apparently, was not to his liking, for, in 1908 we hear of him as Curator, Agricultural Department, South Nigeria. Soon afterwards, however, his father was taken seriously ill and he gave up this post to return to England, where he remained with his father to the end. On the latter's death it is believed he inherited a considerable sum of money, which he subsequently invested in farm lands and cattle at Rusape, South Rhodesia. This venture, proving a failure, was probably responsible for bringing about through worry the illness which was to handicap him for the rest of his life. During his illness he was cared for at St. Faith's Mission, Rusape, where he remained for a time tending the Mission Garden. Later, he was an inmate of a Pietermaritzburg hospital for about four years, leaving at his own request to return to South Rhodesia.

For 20 years his address was The Memorial Hospital, Bulawayo. During his sojourn at Bulawayo I was in the habit of writing to him about once a year, and visited him on two occasions when touring Southern Rhodesia.

W. J. NEWBERRY.

T. W. BRISCOE.

I am very sorry to state that Mr. T. W. Briscoe died suddenly last November. He had been at Castleford Gardens, Chepstow, for many years where he had charge of a very interesting and extensive collection of Orchids in pre-war days.

He was married at Wargrave in 1911. He came to Kew from The Grange, Hackwood, and it was evident that he did a fair amount of writing before, because he won the first and second prizes at the Croydon Horticultural Society then. He came to Kew in 1901 and was chiefly interested in Orchids and subsequently became foreman in the Orchid Department.

He left Kew to take charge of the Orchids at Messrs. Veitch's, at Langley and afterwards went to Chepstow where he was gardener to the late W. R. Lysaght.

The late Mr. Briscoe was a well-known writer on Orchids and other subjects having regularly written in the *Amateur Gardening* on the "Work for the Week" page. He wrote an excellent book on *Orchids for Amateurs* which was published from the office of *Amateur Gardening*.

I have pleasant memories of visits to Chepstow where his employer had a very fine collection of butterflies and which Mr. Briscoe was very pleased to show to visitors. He was a good cultivator, was very well-known and respected in the district.

W. L. LAVENDER.

GORDON HENRY SPARE.

It was with great regret that I learnt of the death of G. H. Spare; a regret that I am confident will be shared by all Kewites who knew him.

Spare was born on the 30th July, 1906. He was educated at the Sale branch of the Manchester Grammar School and later at Whitgift. After matriculation he joined, in 1922, the Carter Nursery at Raynes Park and remained with that firm until he came to Kew as a Student Gardener in 1928. After a period in the Gardens where he was engaged in the Tropical Departments, he was deputed to assist in the Herbarium. It was then I met him and he was of considerable assistance to me in botanical work.



In 1929 he obtained an appointment with a rubber concern in Malaya. Owing to the world financial crisis that supervened about 1930, staffs had to be reduced, and Spare returned to England in 1931 to join his brother in a nursery business at Arundel. In 1937 he secured an appointment on the Sungei Krian Rubber Estate in Malaya. He married Miss R. E. Twine just before leaving for the East

in June of that year. He worked on more than one estate during the ensuing years and acted as manager of the Inchong Estate in Kedah.

January, 1942, found him on leave with his family in Australia. They were about to embark at Perth to return to Malaya to take charge of the Klabang Estate in Perak, when the invasion of Malaya was started by the Japanese. From a letter he sent to me from Perth it is evident that he felt very confident that the invaders would very soon be expelled—a confidence that was, alas, soon to prove far too hopeful. Spare sent his family back to Sydney and awaited himself at Perth for transport to Singapore, where he arrived but a few days before the capture of the place. Being unable to locate his old Volunteer unit he joined the Singapore Volunteers and was taken prisoner at the surrender. He was sent to the P.O.W. camp at Kuching and subsequently was transferred to Labuan in Borneo, where, lamentably, he died in February, 1945.

During his boyhood Spare had been very keen on nature study and spent much of his time in roaming the countryside and botanising. He pursued this inclination in Malaya and took every

opportunity for collecting that offered and was in close touch with the botanists at the Singapore Botanical Gardens.

Spare was of a very cheerful disposition. This coupled with a readiness to be helpful made him generally liked wherever he went.

He leaves a wife and two children: a girl born in 1939 and a boy born in 1941. To them as well as to his parents the sympathy of all will go out.

CECIL E. C. FISCHER.

WILLIAM G. BAKER.

Fifty-five years is a long period for occupying the same post, but this record was achieved by Mr. W. G. Baker, who left Kew in 1887 to become Curator of the small, but very charming, University Botanic Gardens at Oxford and did not retire until 1943. He died on January 11th, 1945. At Kew he was contemporary with the late W. Watson. His skill as a plantsman was recognised at Kew where he became sub-foreman in the Tropical Propagating Pits, but before he came to Kew he had gained experience in the gardens of Baroness Heath at Coombe House, Croydon, Surrey. A native of Kent, he was born in 1861. It has been said that he never went back to Kew after he left.

Baker had a wonderful memory for plants and seldom forgot the name of any he had once learned. He was generally regarded as brusque but this was often to camouflage extreme shyness. He was not a society man and shunned publicity. Those friends who knew and appreciated his worth failed to persuade him to lecture or write about the plants he grew so well and knew so intimately. Once the ice was broken he would talk freely and well about plants.

Over a long period Baker was a member of the Royal Horticultural Society's Floral Committee, Section B, but directly the meetings were concluded he hastened to catch the first train back to Oxford! His wide knowledge proved invaluable and in 1932 the R.H.S. recognised his services by making him an Associate of Honour in Horticulture. He was a competent judge and in that capacity served at the Ghent Quinquennial Shows.

Baker had a quaint habit of setting traps for his friends. When I paid him a visit he would have half a dozen small specimens ready for inspection and would chuckle over my attempts to name them. On one occasion he had a few small berry-like fruits, about as big as peas and covered with dense bloom. "Is it hardy?" I asked. He shook his head. "Aquatic?" He nodded, and when I murmured "*Thalia dealbata*" he said "Full marks". He was extremely proud of the fact that Mistletoe grew on more trees in the Oxford Botanic Gardens than in any other garden in the British Isles!

I received many plants from Baker as an exchange, for he was always anxious to improve the collections at Oxford and there was little money. He loved friendliness, but alas, didn't trouble to encourage it, nevertheless when his friendship was won it lasted. I, and several other old Kewites, will miss him very much.

C. H. CURTIS.

MISS L. K. A. EPPS.

We much regret to record the death of Miss L. K. A. Epps who was one of the trained women gardeners to come to Kew during the last war. She learned her profession, in company with her sister Miss Mary T. Epps, at the Clapham School of Gardening near Worthing and took one or more of the R.H.S. examinations. She entered Kew on April 2nd, 1918, and left on March 5th, 1919, and worked in the Decorative and Propagating Pits and in the Herbaceous Department. She is remembered as a keen and efficient worker.

On leaving Kew Miss Epps continued gardening for some years with her sister. She returned later on to her former work with young children, first in England, then in India, living in various parts of the Bombay Provinces. After returning to England she lived in Surrey for several years and was keenly interested in the life of her village, especially in the work of Women's Institutes, folk dancing and young children.

But with all her activities she retained great love for her garden and her interest in Kew always remained.

A.D.C.

HENRY F. GREEN.

Henry Frederick Green was born in Ceylon in 1865 and was the son of a school master. He came over to Guernsey with his parents when very young. When he left school he joined the staff of the Caledonia Nursery and commenced working with the owner Mr. Charles Smith. A strong and lasting friendship thus grew up between them.

Young Green left the Nursery and came to Kew in 1888. Here he came under the eye of the Assistant Director (Mr., later Sir, Daniel Morris) who took a keen interest in him. He left Kew in 1890, having obtained a post in Dominica (West Indies) which he held for some years. About 1900 he went to India having obtained an appointment as an Assistant in the Royal Botanic Gardens, Calcutta. When application was made to Kew for a suitable man for the inspecting and valuing of timber on certain lands in West Africa, Green was recommended and was appointed. He worked well and was able to finish off some work there which was commenced by his predecessor, a geologist.

About this time the grandson of Charles Smith was about to start work in the Caledonia Nursery and Henry Green came back to the old firm and for three years instructed his young pupil in systematics, hybridising and propagating, etc. He would probably have stayed in Guernsey had it not been for the offer of another Government appointment, this time at Derjeeling, where one of his main duties was the growing of Chincona. In this he was most successful and more and yet more territory was placed under his control. He should have retired in 1914, but Chincona was in great

demand during the war and he was asked to stay on. About 1919 he left India and again returned to Guernsey. He bought a property of about 2 acres on which he built a bungalow, with a conservatory and several cold frames and here he passed his remaining years growing many interesting and unusual plants which were, as he said, his "life friends".

H.F.G. was a splendid character, a man with one hobby—"plants". He welcomed and would work with anyone who was keen and interested in his subject, giving away seeds and plants and following this up with help in every way. By his death in January, 1943, Guernsey has lost a great plantsman and a gentleman, and horticulture a devoted son. These notes have been penned by his pupil who knew and highly respected him.

H. L. DE PUTRON.

(I enclose a few lines by Mr. de Putron, the present proprietor of the Caledonia Nursery. I knew Henry Green when he was at the Nursery and saw a good deal of him after his retirement when he lived at La Falaise, St. Martins. He was a plantsman to his fingertips. He kept a fine garden and always had a good show. He was pruning trees and shrubs when he was taken with a stroke and never recovered. He was not married but lived with an older sister—W. A. WARRY.)

GEORGES HENRI LARSEN.

It is only recently that we have heard with deep regret of the death, on active service in 1944, of another young Kewite of great promise.

Georges Henri Larsen was born on November 25th, 1914. He came to Kew in May, 1935—under exchange arrangements with the Luxemburg Gardens, Paris—and was engaged in the Tropical, Palm House, Ferneries and Succulent departments. Larsen displayed the keenest interest in his profession and his lecture records show that he gained distinctions in General Botany, Plant Nomenclature and Elementary Systematic Botany. He left Kew in July, 1936.

The son of a horticulturist at Anvers-sur-Oise (Seine et Oise), France, Larsen was working early in the war, in Algeria, in the Department of Arboriculture and Monsieur Rebour, the head of the Department, writes of him as follows:

"Larsen was the best of my collaborators. Of very quick intelligence, enthusiastic, very straight, he was destined for a brilliant career. Entering the Arboricultural Service as a probationer early in 1941, he became Agricultural Adviser in charge of Arboriculture in April, 1941, and occupied this position at Oran.

"In November, 1942, without waiting to be called to the colours, he joined the Corps franc d'Afrique as a cadet. His brilliant conduct in the attack on Bizerta brought him congratulations from General Giraud in the course of a skirmish in the reconquered town. Promoted S/Lieutenant, attached to the Leclerc Division, he took

part in the landing in Normandy, and traversed France, falling in action before Epinal, on September 13th, 1944."

Larsen's remarkable coolness and courage in action, his skill in leadership, and his unfailing discipline and energy, were stressed in three official "mentions". The following is a translated extract from the *Official Journal* of January 7th, 1945, announcing the posthumous award to Larsen of the Order of the Legion of Honour (Chevalier):

"Larsen, Georges, S/Lieutenant, Régiment de Marche du Tchad, joined the Corps franc d'Afrique in November, 1942. Took part in the whole of the Tunisian campaign, in the course of which he was twice mentioned. He acquired an extraordinary authority over his men, due to his courage, his success, his powers of command and his qualities of leadership. Very straight, very loyal, he knew how to communicate to them his energy, his patriotism, his frankness and disinterestedness. In action from the very beginning of the fighting, he always accomplished the missions entrusted to him in the exact manner which was asked of him. On September 13th, 1944, in the attack on the "Maisons Rouges" square, he went ahead of his section, which captured the square, a key position, in the minimum of time. Mortally wounded by an enemy sniper. Will be remembered by his men, his comrades and his chiefs, as one of the purest examples of patriotism and courage."

SABINE WILSON.

CHARLES ANDREW LITTLE.

It is our sad duty to record the death of this Old Kewite who will be remembered by many of the older members of the Guild.

Charles Andrew Little was born on the 6th October, 1886. He entered Kew from the establishment of Messrs. Little & Ballantyne, Knowsfield Nurseries, Carlisle, where he gained useful experience both under glass and in the outdoor departments, on the 25 May, 1908. In December of the same year Little was promoted Sub-Foreman of the Arboretum. After serving the usual term as a student gardener he left Kew in June, 1910, to take up the position of Foreman in the Trees and Shrubs Department of Tully Nursery, Kildare.

Mr. Little first came to New Zealand in 1914 to manage Messrs. Howden and Moncrief's nursery in Dunedin. At the outbreak of war in 1914 he enlisted with the N.Z.E.F. and saw service in Egypt and on Gallipoli. He was invalided home in 1916 and for some time was employed at the Dunedin Botanic Gardens under Mr. Tannock. Desiring to see more of the Dominion, and to gain further experience, he sought other employment and was with various nursery establishments from Auckland to Southland. On taking up the position as Superintendent of Parks and Reserves here in Christchurch in 1929, I was pleased to persuade him to become nursery foreman, which position he held until his death on 10th August, 1943.

Charlie Little, as he was always called, was an expert propagator with an intimate knowledge of trees and shrubs. He was highly respected and esteemed by all who knew him. He never recovered from his war disabilities which became more pronounced in later years. He was of great assistance to me personally and I valued him as a friend. He was moreover ever loyal to Kew and we had many a chat together of Kew days and of the Homeland. He leaves a wife, also a son and daughter.

M. J. BARNETT (*Christchurch, N.Z.*).

THOMAS WILSON MAIN.

We regret to record the death of Mr. T. W. Main which occurred on April 15th, 1944, at the age of 65 years. Mr. Main came to Kew in May, 1901, from the Botanic Gardens, Glasgow. After serving the usual two years as a student gardener he became in 1903 a Sub-Foreman in the Arboretum. That Main took a keen interest in his profession is evidenced by the fact that his name figures among those gaining the highest marks in the lecture courses on Geographical Botany and Chemistry and Physics in 1902. He was also an active member of the Mutual Improvement Society and on three occasions lectured at the meetings.

T. Wilson Main left Kew in 1906 to take up an appointment under the Colonial Office on the Bath Tiga (Selangor) Rubber centres in British Malaya. Here he remained until 1908 when he became Head Curator at the Botanic Gardens, Singapore. Two years later he took over the managership of Cherg Rubber Estates, Malacca, where he remained until he returned to England in 1920 to reside permanently after 14 years in the Far East.

Whilst in Malacca he took a prominent part in the civil affairs of the township, being a Justice of the Peace for eight years, a Captain in the Malacca Volunteer Forces, and a Founder and Past Master of Lodge Elliot (Malacca) in the order of Freemasons.

On his return to England he continued to lead an active life and from 1922 until 1931 he was Estates Bailiff at Tregenna Castle Hotel, St. Ives, Cornwall. For nine years before his death he held an appointment under the Finsbury Borough Council, London, in their Parks and Open Spaces Department, and throughout the war years he was in charge of the Council's Rehabilitation Offices and was a Voluntary Fire Watcher and Civil Defence Warden in the City of London. He left a widow, a son, who holds a Commission in the King's Royal Rifle Corps, and a daughter.

CECIL H. MIDDLETON, N.D.H.

All Kewites learned with great regret of the passing of C. H. Middleton, a well-known figure in the horticultural and broadcasting worlds, and a much respected member of the Guild who died suddenly outside his home in Princes Avenue, Surbiton, on September 18th, 1945. Born in Northamptonshire in 1885, Middle-

ten received his early training under his father and with Messrs. James Veitch & Sons, Feltham, and H. B. May's Nurseries, at Upper Edmonton, and several private establishments. He entered Kew in December, 1906 and was employed in the Decorative and Temperate Houses. He was a member of the cricket team, doing well as a batsman.

Leaving Kew in March, 1908 he became an assistant under Messrs. Carter & Co. of Forest Hill, S.E. Later he held posts with Messrs. James Veitch & Sons of Feltham and S. Low & Co., Bush Hill Park. During the first world war (1914-18) Middleton was engaged on work in connection with food production, becoming a Sub-inspector on the staff of the Board (later Ministry) of Agriculture and Fisheries where he came into close touch with Mr. Cotton who was then Mycologist to the Ministry of Agriculture. He was afterwards appointed Horticultural Adviser to the County of Surrey and in spite of the many calls on his time, was regularly engaged in the work of broadcasting talks on gardening by 1934 (see *Journal* 1934, p. 335; 1937, p. 648). For a time he wrote the *Daily Express* weekly gardening article a feature much appreciated by a wide circle of readers. Throughout his busy life Middleton remained in the closest touch with Kew and was present at the last Guild Tea held in the Director's Office garden in July this year (1945). An article from his pen entitled "Passing Thoughts of an Old Kewite" appeared in the *Journal* for 1941. A member of the Fruit and Vegetable Committee of the Royal Horticultural Society, he became an Associate of Honour in Horticulture, an honour conferred on him by the Council in 1937.

H. S. MARSHALL.

I had known C. H. Middleton over a period of 14 years. Our friendship and close association grew from that day when he arrived at Savoy Hill for his first broadcast. It so happened that I was detailed to look after and announce him, and I little thought then that that chance meeting would lead to a friendship which I value more than I can express. For me his death has left a gap which can never adequately be filled.

From those early days of broadcasting to that Friday afternoon which we spent together in my house—a few days before his tragic end—we had been closely associated in many various activities. Our two-handed gardening talks—our many adventures and experiences in Television—our journeys the length and breadth of this country during the "Dig for Victory" campaign—all these combined to cement our friendship more firmly.

I think it is safe to say that he did more to encourage the "little man"—the amateur gardener who is the proud possessor of a back garden or small plot—than anyone else.

Interest in gardening was at a low ebb when he first came on the air, and it is due to his inimitable manner, his complete sincerity and homeliness, his kindly guidance and innate knowledge that the

ordinary gardener has done so much to keep this country supplied with essential food. Others may step into his shoes and help to keep alive this vital cause, but there will only be, or indeed can be only one Mr. Middleton.

FREDERICK GRISEWOOD.

EDWARD HERBERT ROBSON.

It is with the deepest regret that we have to record the death in action of yet another Kewite.

Edward Herbert Robson was born on July 3rd, 1912, and was educated at Downs School, Calwall, near Malvern, and at Leighton Park School, Reading. After taking a course in Horticulture at Reading University he gained experience in Frank Ladd's nurseries at Swanley, in Lord Leconfield's garden at Petworth, and in Lord Aberconway's garden at Bodnant. He entered Kew on March 18th, 1935, and was engaged in the Temperate House where he was subsequently, for over a year, Foreman in charge.

It soon became apparent that Robson was an outstanding student. The lecture records show that he gained distinction in Plant Pathology, Arboriculture and Forestry, Plant Nomenclature and Elementary Systematic Botany. Not only was he keen on his work and a good all round plantsman, but he took a leading part in social activities. He had a beautiful baritone voice, which he was having trained, and many Kewites will remember his singing at the Annual Dinners. He was also a first class swimmer and won the Thames race in 1935 and 1936, when he broke the record for the course. With all his accomplishments, no one was more modest than Robson and he was popular with everyone who knew him.

J.S.L.G.

Robson left Kew in 1938 and commenced his duties in the Parks Department, Coventry, on May 16th. He was not appointed as head gardener in any particular park, as he wished to gain general experience, and was therefore moved from place to place.

During his two years in Coventry, prior to joining up in October, 1940, he showed great interest in horticulture and would undoubtedly have made great progress. He was continually in the parks, not only during his working hours but until late at night, and also attended lectures and demonstrations that were held for the benefit of the younger gardening staff. He was considerably above the average education, and on many occasions he rendered valuable assistance with office work, and in the drawing office.

He went abroad with the Royal Berkshire Regiment, and had attained the rank of Captain when he was killed in action in Italy on October 23rd, 1944. We understand from the Chaplain that he was buried at Vicchio. It was a great loss to his father, especially as another of his sons, Major J. E. Robson also lost his life in Italy, and a third son was a prisoner of war and had been severely wounded at Arnhem.

From letters which I received from E. H. Robson during his service abroad, it was evident that he was still interested in the collections of plants, and he had collected in Palestine, Egypt and Italy. On one occasion he met another member from the Coventry Parks Staff.

It is with deep regret that I have to supply these few details of one of the most promising members of my staff.

P. W. H. CONN.

GEORGE SHOTTON.

Older members of the Guild will learn with regret of the passing of yet another Kewite in the person of George Shotton who was born in the year 1861.

After he left Kew in 1886 Shotton went north to be Head Gardener to H. Andrews, Esq., Swarland Hall, in whose gardens he served for some time previous to coming to Kew. In 1888 he married Miss Isabel Jackson of Felton, Northumberland, and enjoyed a very happy married life. The Chrysanthemums were a great feature at Swarland and Mr. Shotton exhibited at Edinburgh, York, Hull and South Shields, winning many prizes. In 1902 Mr. Andrews went south and bought Toddington Manor, Gloucestershire. Shortly afterwards Professor Gilchrist engaged Mr. Shotton to lecture on gardening in Cumberland and Westmorland. He was very successful in this work but gave it up after a while as he preferred a quiet life with less travelling. Soon after this he took a job at Prudhoe Hall on Tyne where he acted as Gardener and Bailiff and he remained there until 1930 when he retired with a pension.

Mr. Shotton was an example of a man who took great interest in the general welfare of the community amongst which he lived and freely gave his services to any good cause. He resided in Prudhoe for 40 years and for many years was a member of the choir of the Parish Church and was diocesan conference representative. He was one of the founders and was a vice-chairman of the Prudhoe Nursing Association, and was a member of the Welcome Home Committee following the Great War, a vice-president of the Prudhoe Gleemen, and also a member of the local Education (evening class instruction) Committee. He always retained his love of Kew and his great interest in Flower Shows and acted as judge at shows all over the north, whilst as an exhibitor also he met with considerable success.

Mr. Shotton had a stroke in 1941 but made a wonderful recovery. He was taken ill again in August, 1945, and died on September 3rd at the age of 84.

WILLIAM NICHOLLS WINN.

It is with deep regret that we have to record the death of this well known Kewite.

William Nicholls Winn was born on the 19th June, 1868. After

6 years horticultural experience he entered Kew as a student gardener on the 24th March, 1890 and proved himself to be extremely thorough and painstaking in the performance of his duties. He was appointed Assistant in the Curator's Office in October, 1892, a post he filled with distinction until his retirement in 1933.

When I entered Kew in 1891 I found W. N. Winn one of a coterie of students who appeared to command greater respect from their fellows than did the majority. This was a group formed by John Aikman, William Tutchner, George Lamb, Ernest Hemming, G. H. Crumbiegel, Charles H. Curtis and W. N. Winn. To four of these I was introduced on the evening of my arrival, the last day of January, and later I became acquainted with Winn. I had to work in the Palm House and on my way I often met a very alert, erect, tidy young man. I was told he was always the first man to enter the Gardens in the morning and went for a walk before beginning work. "He is a good fellow, writes a good hand and he may succeed Aikman as label writer. He is one of the best cricketers we have, and is a very pretty bat, and is very fond of dancing".

As I got to know him I found that his talents had not been over-estimated, and a few months later when John Aikman was transferred to the Herbarium as a Temporary Technical Assistant, Winn succeeded him as label writer and clerk to the Assistant Curator. The Director decided later that certain Student Gardeners should be given an opportunity to sit in open competition for vacancies on the permanent staff, one in his office, the other in the office of the Curator. The two selected were John Aikman and Charles H. Curtis, but I think that later Winn was also allowed to compete. The vacancies were filled by J. Aikman and a man from outside, Mr. J. Burt Davy. At the end of the first year Burt Davy relinquished his position owing to health and subsequently Winn was appointed in his stead.

I saw a great deal of Winn's prowess as a cricketer at a time when Kew village first eleven played the Gardens team twice a year and were beaten as often as they beat the Gardens. For many years he held a record of 63 not out against Kew Club. When he obtained his permanent post he joined the Gardens Tennis Club and soon became one of its foremost members. Certain dissensions led to a boycott of the tennis club, but during that time Winn always turned up, played whenever he could, and was instrumental in saving the courts from being given up. He retained his interest in tennis until the very end, and would never agree that he was old enough for bowls.

In our early days some of us attended classes at the Richmond School of Science and Art, run by Mr. Marwood at Halford House. Winn went in for drawing and the freehand class was also attended by a daughter of Mr. Marwood. Later she became Mrs. Winn and to her I should like to express my heartfelt sympathy in her great loss, following the loss of their adult son and daughter. I little

thought when I first saw W.N.W. taking his early morning walks that we were destined to spend some 43 years in close collaboration on the Kew Staff with never a rift in our friendship.

W. DALLIMORE.

Winn was actively connected with the Gardens Tennis Club during practically the whole of the long period of 55 years he worked or lived at Kew and was always one of its most enthusiastic and energetic players. The club was started in 1891, the year after Winn came to Kew, with the following well known figures as office bearers: *President*, W. T. Thiselton Dyer; *Committee*, D. Morris, R. A. Rolfe, G. Nicholson, E. Baker. *Secretary and Treasurer*, W. Watson. Other familiar names that appear on the list of members for that year are Burkill, Stapf, Pearson, Aikman and Garret. Winn first became Secretary in 1896 when he took over the office from Hillier. During his early tennis days at Kew there appears to have been plenty of enthusiasm. For instance in 1901 the club played matches with the British Museum, Fairlawn Park, and "Mr. Birrell's team", winning two and losing one, the Gardens team consisting of Thiselton Dyer, Watson, Salmon, Hooker (presumably R. Hooker?), Goldring, Burrell, Burkill, Bean and Aikman. Among British Museum players of those days were Tate Regan (later Keeper, Natural History Museum) and Rendle (Keeper, Botany Department). Various persons acted as Secretary during the early years of the present century. Winn again took over the office in 1915 and held it continuously until his death, a period of 31 years.

To many of the present day members Winn *was* the tennis club, and its welfare was always his first concern. There is no doubt that the club would have ceased to exist years ago during its bad periods had Winn's energy and perseverance not held it together. Winn has been known to relate how he would sit by the courts for hours in his tennis attire on Saturday afternoons knowing no one was likely to arrive to play, merely to give the appearance of club activity. His thoroughness and attention to detail was well reflected in the club's affairs at the time of his unexpected death, for everything was found to be in "apple pie" order, all the old minute books and records carefully preserved (now quite historical), no outstanding debts, in fact a handsome sum in hand in spite of the lean war years and a much reduced membership. Apart from his efficiency as a secretary Winn's genial personality and constant cheerfulness will be sorely missed. His prowess as a player will be equally missed, playing as he did the same steady game year in and year out, even in the season before his death when he had nearly reached the advanced age of eighty, an achievement surely that few men can claim. Winn's vigour and youthful appearance were such that many considered he would, with reasonable luck, live to be a centenarian and probably continue an active player for many years to come.

F. N. HOWES.

J. C. NAUEN.

J. C. Nauen was one of that unhappy band of heroes who so cheerfully marched away from Changi P.O.W. Camp, Singapore, in the middle of 1943, and died in one of the "horror camps" of Siam.

I knew Nauen first in Singapore where his energy and drive while Assistant Curator at the Botanic Gardens were well known to all keen gardeners throughout Malaya. There is too little space available for me to enumerate the splendid work he carried out while serving in the Straits Settlements, but perhaps one of his colleagues will at a later date give in detail some idea of the scope and character of his labours.

Besides his professional activities Nauen was also a keen Volunteer, being a sergeant in the Straits Settlements Volunteer Force. When the war with Japan broke out he was called to the Colours and did excellent work with his unit.

With the fall of Singapore he was taken prisoner and interned in the Changi P.O.W. Camp. As the Japanese scale of rations was so meagre and vegetables and fruit entirely lacking, Nauen was one of the first to advocate gardening in real earnest and offered his professional experience to the authorities, but military bureaucracy did its best to discourage the efforts of mere privates and N.C.Os. Nauen with his untiring zeal however continued to work on his own amongst all and sundry who were trying to cultivate the ground around their quarters, with seeds and cuttings when he could, and willingly gave of his knowledge.

His crowning achievement was when he ultimately persuaded a Japanese officer to take him to Singapore to collect additional seeds and cuttings etc., from the Botanic Gardens, and other places, for his nursery and subsequent general distribution. This occasion will live in my memory as I not only got some of his stock first-hand but also was able to borrow some of the horticultural and botanical works which he managed to bring back with him.

Many incidents in which he and Gordon Spare took part come to mind, mainly arguments *re* nomenclature of cultivated plants and weeds found in the confines of the camp, where at first we had no means other than memory on which to rely for classification.

Not only did Nauen give freely of his services as a gardener but he spent much of his time of an evening entertaining groups by giving talks on Bermuda and other places, and subjects with which he was familiar.

When the Japanese began to send prisoners of war to Siam it seemed obvious that men would be needed to grow food, and Nauen volunteered to join one of these parties as he was then one of the few fit men with the necessary knowledge and experience. To understand the situation fully one must bear in mind that for nearly eighteen months he had been living on the starvation line, losing weight, and feeling far from his normal self. Like others, he had to carry all his worldly goods and chattels on his own back on the

weary 1,500 mile journey north to Siam. Yet he willingly packed such hefty tomes as Burkill's *Dictionary of Economic Products of the Malay Peninsula* (in two large volumes) and other botanical works, knowing they would prove of endless value in the struggle for existence in the Siamese jungles.

At the time, when to survive was paramount in all our minds, the high qualities of others were not always observed. However, in retrospect, I feel that the dedication panel on the Memorial Cairn in the Garden of Remembrance which I designed and laid out in the Prison Camp in Changi in memory of those who died rendering service to their fellow men, provides a most apt epitaph to J. C. Nauen.

*Here, then seems to be the Talisman for which
we are groping.*

*Its name is Duty—the Simple Duty of living up
to the Tradition in which these men died, and of
carrying out the Trust which they have plainly
Bequeathed to us.*

*Let us see to it then that we do not fail Them as
they Never failed us.*

From *The Ship of Remembrance*,
Ian Hay, 1926.

L.A.L.R., 7/5/46.

KEW STAFF LIST (DECEMBER 31st, 1944)

* Life Member of Guild.

† Formerly a student gardener at Kew.

‡ Seconded to another Department during the War.

§ Serving with H.M. Forces.

Entered
Kew

DIRECTOR'S OFFICE.

Director	*Dr. E. J. Salisbury, C.B.E., D.Sc., F.R.S.	1943
Economic Botanist	*Sir Geoffrey Evans, C.I.E., M.A.	1938
Assistant Director	†J. S. L. Gilmour, M.A., F.L.S.	1931
Assistant Botanist	*§B. L. Burtt, B.Sc.	1931
Staff Officer	S. F. Ormsby	1923
Shorthand-Typist	Mrs. W. E. Evans (Miss I. Watters) ..	1925
Clerk	H. R. Middlemost	1937

HERBARIUM AND LIBRARY.

Keeper	*A. D. Cotton, O.B.E., F.L.S., V.M.H.	1904
Deputy Keeper	T. A. Sprague, D.Sc., F.L.S.	1900
Botanist	*Miss E. M. Wakefield, M.A., F.L.S. ...	1910
"	W. B. Turritt, D.Sc., F.L.S.	1909
"	V. S. Summerhayes, B.Sc.	1924
"	Mrs. T. A. Sprague, B.A., F.L.S. (Miss M. L. Green)	1912
"	F. Ballard, B.Sc.	1929
"	†N. Y. Sandwith, M.A., F.L.S.	1924
"	†C. E. Hubbard, F.L.S.	1920
"	§E. W. B. H. Milne-Redhead, M.A.	1929
"	H. K. Airy Shaw, B.A., F.L.S.	1925
"	§A. A. Bullock, B.Sc.	1929
"	R. W. G. Dennis, B.Sc., Ph.D.	1944
Botanist for India		
Assistant Botanist (Library)	†Ernest Nelmes	1920
"	†Miss C. I. Dickinson, M.A., Dip. Agric., F.L.S.	1929
"	*J. R. Sealy, B.Sc.	1927
Botanical Artist	Gerald Atkinson	1922
"	Mrs. J. R. Sealy, F.L.S. (Miss S. Ross- Craig)	1929
Sub-Assistant	Miss Mabel I. Skan	1919
"	F. C. Woodgate	1922
"	H. S. Marshall	1932
"	R. A. Blakelock, B.Sc.	1937
Assistant (Temporary Technical)	§A. K. Jackson	1930
"	Miss S. Wilson	1924
"	Miss M. C. Davey	1918
Clerical Officer	†Miss B. Judge	1930
Clerk	Miss S. K. White	1929
Shorthand Typist	†Miss B. N. Shepherd	1939
"	Miss M. J. Kierans	1934
Preparer (Herbarium)	Mrs. V. A. Feddern	1941
"	Mrs. E. Holmes	1941
"	Miss I. Blewett	1941

MUSEUMS.

Entered Kew

Keeper.....	†John Hutchinson, LL.D., F.L.S.....	1940
Botanist	F. N. Howes, D.Sc.....	1926
„	R. Melville, B.Sc., Ph.D.....	1934
Preparer	L. J. Harding	1913
Typist	Miss B. Saunders.....	1943

JODRELL LABORATORY.

Assistant Keeper	C. R. Metcalfe, M.A., Ph.D.....	1930
Botanist (Temporary)	C. Leighton Hare, M.Sc., Ph.D.....	1941
Laboratory Assistant	F. R. Richardson.....	1934

THE GARDENS.

Curator	†W. M. Campbell, N.D.H., F.Inst.P.A.	1922
Deputy Curators (Arboretum).....	†S. A. Pearce, F.Inst.P.A.	1928
(Tropical Dept.)	†Lewis Stenning	1925
Assistant Curators :—		
Temperate Department	*†C. P. Raffill, M.B.E., V.M.H., A.H.R.H.S.....	1898
Decorative Department	Miss E. V. Paine, N.D.H. (Acting)....	1940
Herbaceous Department	††G. H. Preston	1934
„	R. Holder (Acting)	1940
(Clerk Higher Grade).....	†Ernest G. Dunk	1914
Clerical Officer	Miss D. A. Wheeler.....	1945
„	W. E. Gray	1942
„	C. F. Norman	1927
Shorthand Typist	Mrs. D. M. Dimes.....	1943
Sergeant-Constable	G. E. Williams.....	1906
Packer and Storekeeper	†H. W. Ruck.....	1907

FOREMEN

<i>Department</i>	<i>Name</i>	<i>Entered Kew</i>	<i>Previous Situation</i>
Rock Garden	§L. R. Brown ..	20 Sept., 1937	Hyde Park, London.
Ferneries	§B. L. Perkins ..	4 May, 1936	Manchester Parks Department.
Palm House	§R. A. Hudson..	16 Nov., 1936	Parks Department, Leeds.
Herbaceous Department	§P. L. Benton ..	27 Sept., 1937	Hillside, Llandaff, Cardiff.
Flower Garden	§S. Rawlings ..	20 July, 1936	Parks Department, Salford.
Decorative Department	*§A. H. Pettigrew	18 Mar., 1935	Parks Department, Swansea.
Propagating Pits	§D. W. Sayers ..	18 May, 1937	Abbotsford Gardens, Burgess Hill, Sussex.
Temperate House Pits..	§E. Bird	22 Aug., 1938	Westmore Gardens-Leighton Buzzard.
Arboretum	C. F. Coates ..	25 Sept., 1915	Manor Park, Pottton, Beds.
Orchids	*W. E. Everett	12 Sept., 1938	Messrs. Sanders, St. Albans.

STUDENT GARDENERS.

<i>Name</i>	<i>Entered Kew</i>	<i>Previous Situation</i>
Blowers, John W.	31 May, 1943	Royal Air Force.
§ Blowfield, Arthur H.	28 Dec., 1938	Devonshire House, Roehampton.
§ Bourner, Eric H.	24 April, 1939	The Dell, Wheathampstead, Herts.
Brown, R.M.S.	25 Jan., 1943	Parks Department, Norwich.
§ Clark, James	28 Dec., 1938	Cambridge Botanic Garden.
Clark, Philip	2 April, 1942	Glasnevin Botanic Garden, Eire.
* § Cook, Gilbert G.	5 Sept., 1938	Parks Department, Southampton.
§ Davies, Philip W. C.	24 April, 1939	Parks Department, Fleetwood.
§ Downs, Dennis A.	27 Mar., 1939	Luton Hoo Gardens, Luton.
Drewitt, Clifford E.	21 Feb., 1944	Chatsworth House, Derby.
§ Eaton, Horace J.	4 April, 1938	The Nurseries, Borrowash, Derby.
§ Ford, Frank J.	25 Oct., 1937	Parks Department, Margate.
Hack, Hugh R. B.	25 Jan., 1943	Benmore Forestry School, Dunoon, Argyll.
§ Hebden, Francis J.	15 Nov., 1937	Cambridge Botanic Garden.
§ Hollis, David C.	9 May, 1938	Llandaff, Cardiff.
§ James, Kenneth H.	15 Mar., 1939	Messrs. Aish & Son, Dunstable, Beds.
§ Joy, George S.	27 June, 1938	Hillside, Llandaff, Cardiff.
Kruger, Harry J.	22 Mar., 1943	Parks Department, Cardiff.
§ Mackenzie, Dugald C.	27 Feb., 1939	Wellington B.G., New Zealand.
§ Mason, Maurice	16 May, 1938	Rotherfield, Chesham Bois, Bucks.
§ McElroy, Leonard F.	30 May, 1939	Knap Hill Nursery, Woking.
§ Middleton, James	20 Mar., 1939	Parks Department, Dudley.
§ Norris, John L.	23 Aug., 1937	Royal Hospital Gardens, Chelsea.
§ Puddle, Charles E.	24 July, 1939	Parks Department, Manchester.
§ Redman, James	13 Mar., 1939	John Innes Hort. Inst., Merton.
Sivyer, Geoffrey R.	30 Aug., 1943	S.W.A.E.C.
§ Slade, Walter J.	26 June, 1939	The Gardens, Trent Park, Herts.
Souster, John E. S.	27 Sept., 1943	St. John's School, Tiffield.
§ Stevens, Frederick B.	21 Nov., 1938	Parks Department, Manchester.
* § Stott, John W. E.	30 May, 1938	Tresco Abbey, Isles of Scilly.
§ Will, Alistair G. K.	4 Sept., 1939	Parks Department, Blackpool.
§ Willett, Edward J. S.	6 Feb., 1939	Messrs. Secrett, Walton-on-Thames
§ Wilmot, Cyril J.	15 Mar., 1939	Parks Department, Folkestone.

TEMPORARY FOREMEN.

<i>Department</i>	<i>Name</i>	<i>Previous Situation</i>
Palm House	H. Collin	Forestry Commission, Gravetye.
Tropical Pits	H. Zobel	Southwood Gardens, Hildenborough, Tonbridge.
Temperate House	E. Avery	Les Glaciels, Golfe Juan, A.M., France
Temperate House Pits	W. H. Parmentier ...	Moriaux Gardens, Alderney, C.I.
Herbaceous Dept.	* J. Nelson	Parks Department, Manchester.
Flower Garden	vacant	—
Ferrieres	E. M. Fletcher	The Gardens, Alexandra Palace.

	<i>Entered Kew</i>	<i>Previous Situation</i>
Woman Demonstrator :		
Sanders, Irene	23 Aug., 1943	The Priory, Orpington, Kent.
Assistant Woman Demonstrator :		
Sharps, Jean E.	8 Mar., 1941	W.L.A., Lancaster.

WOMEN GARDENERS

<i>Name</i>	<i>Entered Kew</i>	<i>Previous Situation</i>
Ambrose, Ruth M.	21 Sept., 1942	Studley College.
Adams, Dorothy E.	11 Dec., 1944	Blackmore Estate, Liss, Hants.
Allen, Beatrice	19 May, 1943	Swinton Castle, Ripon.
Bird, Helen.....	3 July, 1944	Hoarcross Gardens, Burton-on-Trent.
Bundy, Mrs. Caroline (<i>née</i> Scott)	9 Feb., 1942	Eltham Hall, Kent.
Clark, Violet M.	23 Sept, 1940	Landscape Gardener, The Vale, Broad- stairs.
Dunster, Gladys V.	6 Oct., 1944	Atkins' Laboratories, Kew.
*Eady, Molly C.	10 May, 1943	Compton Place, Eastbourne.
Eperon, Kathleen	11 Dec., 1944	Hampshire County Council.
Evans, Margaret J. B.	6 Sept., 1944	Studley College.
Hamond, Mary	21 Nov., 1944	Nursery Gardens, Stanmore, Middlesex.
Haskell, Joan	8 Oct., 1945	
Helmsing, Nada J.	3 Oct., 1944	W.L.A.
Holyoake, Elaine D.	29 June, 1942	Kneesworth Hall, Royston.
Kelly, Eileen F.....	26 Aug., 1940	Botanic Gardens, Glasnevin, Dublin.
Knowlman, B.	1 Jan., 1945	
Miller, Edith	3 July, 1944	W.A.A.F.
Moss-Holland, E.	20 May, 1945	
Pedgrift, Jessie F.	23 Sept., 1940	Ewell Castle Gardens, Surrey.
Rymmer, Nancy B.	6 Sept., 1944	Studley College.
Sampson, Joan	16 Oct., 1944	Bank of England.
Sowerby, Catherine	18 May, 1945	
Tracy, Margaret E.	6 Nov., 1944	Market Gardens, Haddenham.
Trower, Suzette M.	11 Dec., 1944	John Innes Foundation.
Turner, Patricia	9 April 1945	
Wells, L. M.	15 Jan., 1945	
White, Janet M.	1 June, 1945	
Wilford, J.	1 Jan., 1945	
Willmer, Marjorie	17 July, 1944	Cuckoo Hill Nurseries, Pinner.

TEMPORARY GARDENERS.

<i>Name</i>	<i>Entered Kew</i>	<i>Previous Situation</i>
*Brien, S.	18 May, 1942	New Lodge, Hanbury, Staffs.
Coutinho, S.	5 April, 1941	Hamburg Botanic Garden.
Fitzgerald, J.	2 Dec., 1944	Imp. War Graves Comm.
Mullins, W.	28 Sept., 1942	The Gardens, Pains Hill.
Pawsey, S. J.	28 May, 1940	Norbury Gardens, Ashbourne, Derby- shire.
Potter, P. J.	17 Oct., 1944	Jersey C.I.
Scott, J. A. N.	11 April, 1944	Wrexham Parks Department.
Slater, J. N.	17 Jan., 1945	Dundee.
Sutch, N. W.	15 May, 1944	R.A.F.

IMPROVER GARDENERS AND BOYS.

Andrews, R.	Funke, C.
Bingham, D.	Mason, D. L.
Brown, D.	Parker, R.
Cox, T.	Perathoner, K. A. A.
Cropley, R.	Smith, C.
Dowse, W. F.	Thomas, J.
Durrant, A. M.	Wooldridge, D.

ADDRESS LIST OF OLD KEWITES.

(The Names of Life Members are preceded by an asterisk.)

Abbreviations :—H.G., Head Gardener ; F., Foreman ; N., Nurseryman ; M.G., Market Gardener ; C., Curator ; D., Director ; M., Manager ; B.G., Botanic Gardens ; S., Superintendent.

<i>Name.</i>	<i>Left Kew.</i>	<i>Present Position and Address.</i>
Abbing, J.....	Nov. 1936 ...	Beauweu Park, P.B., Grahamstown, S. Africa.
*Abbot, James M.....	Sept. 1898 ...	Guinness Farm, Hoebridge, Old Woking, Surrey.
*Adamson, John	July 1909 ...	N., Dunreggan, Moniaive, Dumfriesshire.
Adams, Miss D.,	Aug. 1945 ...	c/o East Malling Research Station, nr. Maidstone, Kent.
Addison, G.H.....	May 1938 ...	Address unknown.
Agate, C. J.	April 1926 ...	21, Hayden Avenue, Great Neck, Long Is., N.Y., U.S.A.
*Aikman, Miss M. G.	Nov. 1924 ...	40, Mortlake Road, Kew, Surrey.
*Airey, J. E.	May 1939 ...	Tynedale Nurseries, Greenside Road, Crawcrook, Ryton-on-Tyne.
Albert, Mrs. H.....	Mar. 1945 ...	Whitsunden, Frittenden, nr. Tonbridge, Kent.
*Alcock, Mrs. N. L., M.B.E., F.L.S.	Nov. 1918 ...	61, Holywell, Oxford.
Alcock, R. M.....	Mar. 1930 ...	Address unknown.
*Allen, C. E. F.	Feb. 1904 ...	Address unknown.
Allison, B. W.	Jan. 1930 ...	Asst. Supt., Parks Dept., Salford, Lancs.
*Allt, W. S.	Jan. 1911 ...	Address unknown.
Alston, A. H. G., M.A.	June 1925 ...	British Museum (Nat. Hist.), S.W.7.
*Ambrose, Miss R. M.,	Dec. 1945 ...	c/o Empire Potato Collection, Imp. Bureau Plant Breeding and Genetics, Cambridge.
*Anderson, A. W. C., N.D.H. (N.Z.)	Feb. 1926 ...	S., Parks and Reserves, Timaru, N.Z.
*Anderson J. W. ....		... Granta, Bucklesham Road, Ipswich.
*Andrews, W. G.	Oct. 1922 ...	H.G., Tresco Abbey, Scilly Islands.
Armitage, Miss M. A.	Feb. 1945 ...	8, Broomfield Road, Kew Gardens, Surrey.
*Arnold, T. A.	Jan. 1931 ...	P.O. Box 2060, Johannesburg, S. Africa.
*Ashby, Mrs. D. (F. A. Sharps)		c/o Pest Control (Rhodesia), Ltd., Salisbury, S. Rhodesia.
Ashlee, T. R., B.S. (Ed.) ...	April 1910 ...	R.F.D. 2, Box 24, Bremerton, Wash., U.S.A.
Atkins, L. G., N.D.H.....	Oct. 1931 ...	Farm School, Newton Rigg, Penrith, Cumberland.
*Aubrey, A. E.	April 1910 ...	The Woodhouse Gardens, Grange Road, Tettenhall, Wolverhampton.
Aves, J. J.	Aug. 1939 ...	84, Storeben Street, Pretoria, S.A.
Bachelor, Philip L.	Mar. 1935 ...	c/o Education Committee, 54, Old Stein, Brighton.
*Badgery, R.	Aug. 1906 ...	47, King's Ash Road, Paignton, Devon.
*Baggesen, Niels	Dec. 1900 ...	Viborg, Pembury, Tunbridge Wells.
*Bailey, A. G., M.A.	Oct. 1914 ...	Education Dept., Nairobi, Kenya Colony.
*Baker, A. F.	April 1920 ...	Supt. of Parks and Fst., Box 288, Kings Park, Bloemfontein, South Africa.



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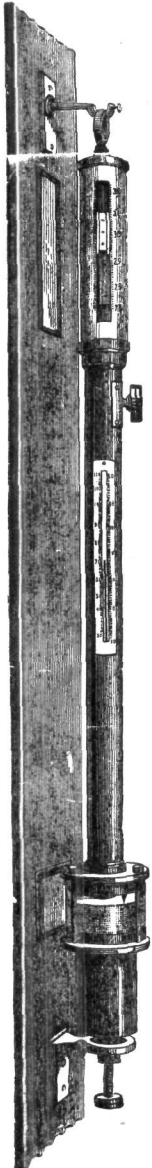
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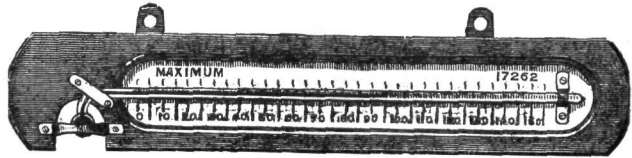
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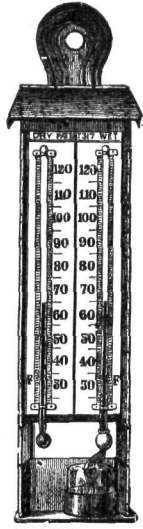
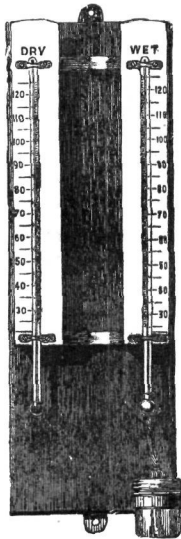


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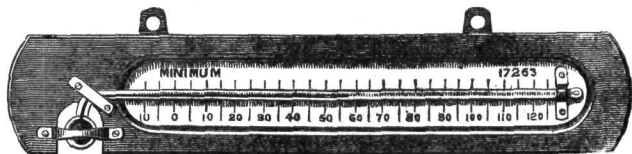
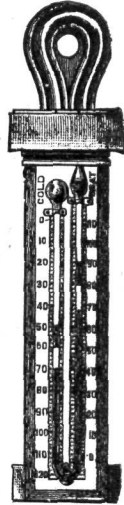
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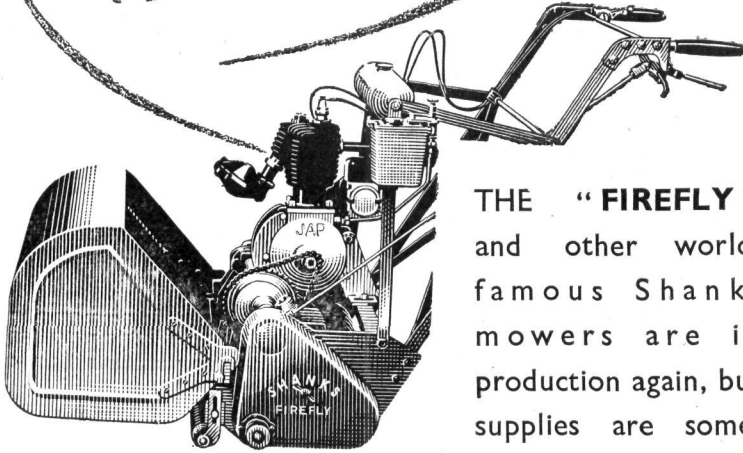
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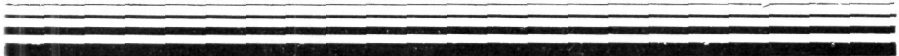


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