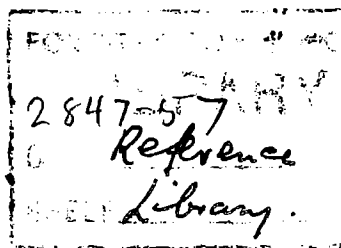


FORESTRY COMMISSION



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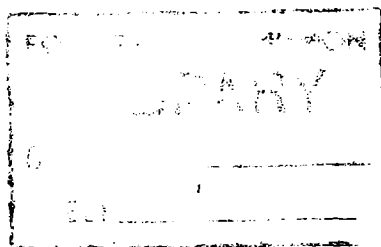
TWENTY-SIXTH  
ANNUAL REPORT OF THE  
FORESTRY COMMISSIONERS  
FOR THE YEAR ENDING  
SEPTEMBER 30TH  
1945

*Presented pursuant to Section 7 (3) of the Forestry  
Act, 1945 (8 & 9 Geo. VI Ch. 35)*

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*Ordered by The House of Commons to be printed  
17th December 1946*

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LONDON  
HIS MAJESTY'S STATIONERY OFFICE

NINEPENCE NET

Forestry Commission,  
25, Savile Row,  
London, W.1.

29th July, 1946.

To: The Minister of Agriculture and Fisheries.  
The Secretary of State for Scotland.

Gentlemen,

In pursuance of Section 7 (3) of the Forestry Act, 1945, I have the honour to transmit the 26th Annual Report of the Forestry Commissioners covering the Forest Year ended September 30th, 1945.

I am,

Gentlemen,

Your obedient Servant,

(Sd.) R. L. ROBINSON,

*Chairman.*

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# TWENTY-SIXTH ANNUAL REPORT OF THE FORESTRY COMMISSIONERS FOR THE YEAR ENDING SEPTEMBER 30th 1945

## FOREST POLICY

This, the 26th Annual Report of the Forestry Commissioners covers the Forest Year ending September 30th, 1945. It was a period of transition in the affairs of the Nation from war to peace, and also of transition in the affairs of the Commission itself.

### THE CONSTITUTIONAL STATUS OF THE COMMISSION.

The Forestry Act, 1945, which received Royal Assent on June 15th of that year, changed the constitutional status of the Commission in several important respects. The Commission had been established under the Forestry Act, 1919, which defined (*inter alia*) its constitution, powers and duties, which were sufficient for carrying out Forest Policy on the scale sanctioned during the inter-war period.

The necessity for new legislation arose primarily out of the extremely heavy fellings which have been taking place in the home woods since September 1939. This was the second occasion since 1914 on which the Nation has had to rely in great measure on home supplies of standing timber for its essential needs. Clearly speedy and large-scale action would be necessary on the one hand for replacing the growing stock in the woods and for increasing the area under woodlands, and, on the other hand, adequate measures would have to be taken for the conservation and systematic management of British woodlands in general.

It was considered that in such circumstances Forest Policy was of sufficient importance to be made the subject of direct Ministerial responsibility, and further that in view of the anticipated extension of the forest area and possible competition for land an adjustment should be made of relations between the Agricultural Departments and the Commission.

The broad position established by the Forestry Act, 1945, is stated below.

**Ministerial Responsibility.**—The Ministers concerned are the Minister of Agriculture and Fisheries, and the Secretary of State for Scotland. The Commissioners in exercising their functions must comply with such directions as may be given them by the Ministers acting jointly, except that as regards transactions affecting England and Wales only or affecting Scotland only directions may by arrangement be given by the appropriate Minister, that is by the Minister of Agriculture and Fisheries in respect of England and Wales or the Secretary of State for Scotland.

**The Membership of the Commission.**—The outstanding change is that Members of the House of Commons become ineligible for appointment as Commissioners. The number of paid Commissioners is no longer limited to three within a total sum of £4,500 per annum for salaries, but may be determined by the Ministers with the approval of the Treasury. One Commissioner must possess scientific attainments and a technical knowledge of forestry, and at least three of the Commissioners must have a special knowledge and experience of forestry. The term of office of a Commissioner is not expressly 5 years

as formerly but is fixed in the instrument of appointment. The total membership (ten) appointed by Royal Warrant, and designation of a Chairman, remain as hitherto.

**National Committees.**—The Commissioners are required to appoint Committees for England, Scotland and Wales respectively consisting partly of Commissioners and their officers and partly of other persons (not exceeding three in number for each Committee) and the Commissioners may devolve on these National Committees such functions as they think fit.

The clauses of the Forestry Act, 1919, providing for the appointment and delegation of functions to Assistant Commissioners and the appointment of Consultative Committees for England, Scotland and Wales respectively cease to have effect.

**The Forestry Fund.**—The Fund is retained and is to be replenished annually by Parliamentary Votes.

**Acquisition of Land.**—The Commissioners' powers to acquire land are transferred to the appropriate Minister. Land acquired under the Forestry Act, 1919, and subsequently, is vested in the appropriate Minister. Ministers, are authorised to place at the disposal of the Commissioners land acquired through the Forestry Fund, and to manage, let or sell land not so placed.

Provision is made for the return of capital monies to the Fund in respect of land sold, and for the adjustment of revenues in respect of land not placed at the Commissioners' disposal.

The Act also confers managerial powers on the appropriate Minister in respect of land not placed at the disposal of the Commissioners.

**The Commissioners' Powers under the Forestry Act, 1919.**—The Commissioners' extensive powers under the Act of 1919 in respect of forestry operations, education, research and grants, remain unaffected by the Act of 1945.

#### RECONSTITUTION OF THE COMMISSION.

The Forestry Act, 1945, entailed immediate changes in the membership of the Commission. The Royal Warrant giving effect to the changes is dated 25th July 1945. Sir Roy Robinson (Chairman), Sir Samuel Strang Steel, Mr. W. L. Taylor, Lord Radnor and Mr. Bannerman remained as Commissioners, but Sir George Courthope, Col. Ropner and Messrs. D. J. K. Quibell and M. P. Price, being Members of the House of Commons, were excluded. Sir George Courthope, who had been raised to the Peerage, was re-appointed and the Rt. Hon. T. Johnston, Sir Richard Cotterell, Mr. Lloyd O. Owen and Lt.-Col. William J. Stirling were newly appointed.

The new Commission as fully constituted is as follows :

Sir Roy Robinson, O.B.E. (Chairman)  
 Col. Rt. Hon. Lord Courthope, M.C.  
 Major Sir Samuel Strang Steel, Bart, T.D.  
 William Ling Taylor, Esq., C.B.E.  
 Earl of Radnor, K.C.V.O.  
 John MacDonald Bannerman, Esq.  
 Rt. Hon. Thomas Johnston  
 Major Sir Richard Charles Geers Cotterell, Bt.,  
 Arthur Lloyd Owen Owen, Esq.  
 Lt.-Col. William Joseph Stirling of Keir.

**Meetings.**—The new Commission first met on V.J. day (August 15th) and a second time on September 19th. In their two meetings which fell within the year under report they were concerned mainly with a review of the general position and future organisation.

**Appointments.**—The following appointments were approved :—

Director-General	...	...	The Chairman (Sir Roy Robinson)
Deputy Director-General			Mr. W. L. Taylor (Commissioner)
Directors of Forestry :			
England	...	...	Mr. O. J. Sangar
Scotland	...	...	Mr. A. H. Gosling
Wales	...	...	Mr. A. P. Long
Director of Research and			
Education	...	...	Mr. W. H. Guillebaud.
Secretary	...	...	Mr. T. W. Cleland
Chairmen of National Committees :			
England	...	...	Lord Radnor
Scotland	...	...	Rt. Hon. T. Johnston
Wales	...	...	Mr. Lloyd O. Owen.

Progress was made with the constitution and functions of the National Committees and Regional Advisory Committees.

Schemes for training foresters, foremen and forest workers were initiated and housing requirements investigated.

## SUMMARY OF OPERATIONS. FOREST YEAR ENDED SEPTEMBER 30TH, 1945

In sympathy with the shortage of man-power, silvicultural operations had to be reduced to essential needs. With large areas of young plantations entering the thinning stage, and in spite of considerable stocks of nursery plants which had been grown in anticipation of post-war planting, the current planting had to be cut to the lowest figure since 1921.

**Finance.**—The figures for the year under report and the preceding year were as follows :

				<i>Year ended September 30th</i>	
				1945	1944
				£	£
Gross Expenditure	...	...	...	1,356,937	1,446,980
Receipts	...	...	...	631,380	921,454
Net Expenditure	...	...	...	725,557	525,526

The Vote in aid of the Forestry Fund was £850,000 in 1945 and £600,000 in 1944.

**Land at the Disposal of the Commissioners.**—The total area at the end of the forest year was 1,364,000 acres compared with 1,270,000 acres a year previously. The increase is accounted for by new acquisitions amounting to 93,632 acres, less disposals comprising 166 acres. Analysis of the 1945 total classifies 834,000 acres as "forest land" (that is to say land which is already planted, or should be planted) and 530,000 acres as "other". Of the Forest Land 475,000 acres are situated in England and Wales, and 359,000 acres in Scotland.

Acquisitions of Forest Land amounted to 43,202 acres (of which 10,038 acres are in England and Wales and 33,164 acres are in Scotland.) Acquisitions of Forest Land in the previous year, 1944, amounted to 11,179 acres.

**Planting.**—During the planting season 1944/45 6,510 acres were planted or sown, 14 acres were naturally regenerated and 97 acres under-planted. The corresponding figures for 1943/44 were : planted and sown 9,205 acres, naturally regenerated 320 acres, under-planted 227 acres.

**Thinning.**—During the year under report 8,220 acres of plantation were thinned (England and Wales 6,133 acres, Scotland 2,087 acres), compared with 8,353 acres (England and Wales 5,935, Scotland 2,418) in the previous year.

**Clear Fellings.**—In all, 2,568 acres were clear-felled (England and Wales 2,288 acres, Scotland 280 acres) compared with 3,001 acres (England and Wales 2,340, Scotland 661) in the previous year.

**Forest Fires.**—Fire losses were comparatively light ; nevertheless 630 outbreaks occurred and had to receive attention. The area burned was 276 acres, causing damage valued at £7,000. In the previous year there were 811 fires, which burned 1,922 acres, valued at £36,500.

**New Buildings and Repairs.**—No new cottages were completed during the year. Owing to difficulty in obtaining labour and materials, building repairs fell further into arrears.

**Grants for Private Planting.**—The area planted under grant schemes was 2,769 acres, of which 2,329 acres were conifers and 440 acres hardwoods. Payments amounted to £6,542. In the previous year 4,038 acres were similarly planted, and payments were £7,913.



**Frost Damage.**—Late spring frosts of unusually wide distribution and intensity occurred from 23rd April to 6th May. A good deal of damage was done and many young trees were killed outright. Owing to the forward state of vegetation for the time of the year, the damage was unusual in its incidence, species normally regarded as frost-hardy suffering more in some cases than the tenderer sorts. This was the most severe spring frost experienced by foresters since the “great frost” of May 1935.

**Utilisation of Home Grown Timber.**—The Commissioners' woods have contributed to the war effort a great variety of produce ranging from carefully selected material such as first-class poles and veneer logs of large dimensions to small underwood twigs; but the main demand has been for three classes of timber, namely, coniferous saw timber, round mining timber and hardwood saw timber.

The quantities and values of timber sold to the Home Timber Production Department of the Ministry of Supply during the year were as follows:—Saw timber 2,108,000 cu. ft. (Hardwoods 1,102,000 cu. ft., Softwoods 1,006,000 cu. ft.) valued at £120,000; Pitwood, etc. 1,586,000 cu. ft. valued at £59,000. These sales consisted largely of standing timber but included also a quantity of prepared, or partly-prepared, timber resulting from thinnings undertaken by the Commission. The total amount of timber sold to the Home Timber Production Department from September 1939 to September 1945 amounted to over 49½ million cu. ft., valued at £2,088,000.



II

Commissioners' Estates.

The following statement presents a general view of the properties under the charge of the Commissioners at 30th September 1945, and a summary of the main silvicultural operations which have been undertaken:—

	<i>England and Wales.</i>	<i>Scotland.</i>	<i>Total Great Britain.</i>
<i>Number of Forests :*</i>			
At beginning of year	142	122	264
At end of year ...	143	131	274
<i>Utilisation of Ground (Acres) :</i>			
Forest Land :			
Acquired Plantations ...	44,000	11,000	55,000
Planted by Forestry Commission ...	278,000	165,000	443,000*
To be planted ...	153,000	183,000	336,000
	<u>475,000</u>	<u>359,000</u>	<u>834,000</u>
Nurseries ...	1,000	500	1,500
Agricultural ...	28,000	25,000	53,000
Forest Workers' Holdings (including outrun) ...	11,000	3,500	14,500
Unplantable and Miscellaneous ...	132,000	329,000	461,000
	<u>647,000</u>	<u>717,000</u>	<u>1,364,000</u>

It will be observed that during the year the number of forest units has increased by 10, from 264 to 274 ; of the 10 new units 1 was in England and Wales and 9 were in Scotland.

Including transferred Crown woodlands the total area of land which had been acquired increased by nearly 94,000 acres from 1,270,000 to 1,364,000 acres and the plantable area by approximately 44,000 from 790,000 to 834,000 acres.

Silvicultural Operations during the Year (Acres) :

	<i>England and Wales.</i>	<i>Scotland.</i>	<i>Total Great Britain.</i>
Planted or Sown ...	3,791	2,719	6,510
Naturally Regenerated ...	9	5	14
Underplanted ...	49	48	97
Thinned ...	6,134	2,087	8,221
Felled ...	2,288	280	2,568

Compared with the previous year the changes in silvicultural operations are planting and sowing 6,510 against 9,205 acres, area thinned 8,221 against 8,353 acres, and area felled 2,568 against 3,001 acres.

Holdings and Estate Management :

	<i>England and Wales.</i>	<i>Scotland.</i>	<i>Total Great Britain.</i>
<i>Number of Forest Workers' Holdings Established :</i>			
At beginning of year ...	1,116†	393	1,503
During year ...	-8‡	—	-8
At end of year ...	<u>1,108</u>	<u>393</u>	<u>1,501</u>

\* The total area planted, including replacements, was 468,906 (see page 13).

† Adjusted figure.

‡ 1 cancelled and 7 withdrawn.

	<i>England and Wales.</i>	<i>Scotland.</i>	<i>Total Great Britain.</i>
<i>Other Tenancies :</i>			
Agricultural Holdings :			
Under £20 per annum ...	847	479	1,326
Over £20 per annum ...	446	301	747
Foresters' Houses ...	124	84	208
Cottages ...	401	319	720
Residential and Sporting ...	359	258	617
Easements, Permissions, Minerals, etc. ...	2,213	348	2,561
Site Rents and Feus ...	—	234	234
	<hr/>	<hr/>	<hr/>
	4,390	2,023	6,413
	<hr/>	<hr/>	<hr/>

### Land Acquisition

Acquisitions during the year amounted to 93,466 acres net, of which 43,321 were classified as plantable.

#### ACQUISITION OF PLANTABLE LAND

Year ending 30th September.	By Lease or Feu.	By Purchase.	Total.		
			Actual.	Aland Proposals.	Excess (+) Deficit (-)
	Acres	Acres	Acres	Acres	Acres
First Decade : 1920-29 ...	156,759	153,471	310,230	402,000	- 91,770
Second Decade : 1930-39 ...	60,057	284,700	344,757	343,000	+ 1,757
Third Decade :					
1940 ...	24,396	7,238	31,634	34,300	- 2,666
1941 ...	2,526	9,924	12,450	34,300	- 21,850
1942 ...	1,190	6,959	8,149	34,300	- 26,151
1943 ...	5,082	7,337	12,419	34,300	- 21,881
1944 ...	- 18,055*	28,400	10,345	34,300	- 23,955
1945 ...	15,814	27,507	43,321	34,300	+ 9,021
Grand Total	247,769	525,536	773,305	950,800	- 177,495

\* This negative figure is due to the fact that properties containing 19,754 plantable acres, acquired under the Crown Lands Act, 1936, and previously shown as leased have been transferred to the purchase column, the consideration money having been paid in full.

## PLANTING PROGRAMME

## State Forests

The area planted during the year was 6,510 acres.

## AREA PLANTED

Year ending 30th September	Proposed to be Planted	Actually Planted			Excess (+) Deficit (-) on Decade or Annual Programme
		New Planting	Replac- ements	Total	
	Acres	Acres	Acres	Acres	Acres
First Decade :					
1920-29 :					
Conifers ...	150,000	126,444	4,316	130,760	- 19,240
Hardwoods ...	Unspecified	6,365	1,146	7,511	—
				138,271	
Second Decade :					
1930-39 ...	*	218,064	12,543	230,607	—
Third Decade :					
1940 ... ..	—	26,411	877	27,288	—
1941 ... ..	—	25,644	1,223	26,867	—
1942 ... ..	—	16,045	701	16,746	—
1943 ... ..	—	11,671	1,741	13,412	—
1944 ... ..	—	7,270	1,935	9,205	—
1945 ... ..	—	4,377	2,133	6,510	—
Grand Total ...	—	442,291	26,615	468,906	—

\* The area proposed to be planted was 25,000 acres per annum for 1930 and 1931, and a minimum of 20,000 acres per annum for 1932 to 1936. From 1937 onwards the proposals embraced the Special Areas programme. The general object in view was to increase the rate of planting as quickly as possible to 30,000 acres per annum.

The total area planted by the Commission to 30th September, 1945, was 468,906 acres, of which 433,041 acres consisted of conifers and 35,865 acres of hardwoods. New planting accounted for 442,291 acres and replacements, which included 12,656 acres replanted after damage by fire, for 26,615 acres. Details are given below :—

	<i>Conifers</i> <i>Acres</i>	<i>Hardwoods</i> <i>Acres</i>	<i>Total</i> <i>Acres</i>
New Planting ...	411,237	31,054	442,291
Replacements ...	21,804	4,811	26,615
	<hr/>	<hr/>	<hr/>
	433,041	35,865	468,906
	<hr/>	<hr/>	<hr/>

### Assistance to Local Authorities and Private Owners

The Commissioners have continued to assist planting by local authorities and private owners by means of grants and a proceeds-sharing scheme. The total area planted amounts to 149,339 acres of which 2,769 acres were planted during the year. Particulars of the grants are given on page 26.

First Decade :	<i>Acres</i>
1920-29 ...	72,856
Second Decade :	
1930-39 ...	53,006
Third Decade :	
1940 ...	4,318
1941 ...	4,427
1942 ...	3,681
1943 ...	4,244
1944 ...	4,038
1945 ...	2,769
Grand Total ...	<u>149,339</u>

### Employment in the Commission's Forests

The number of forest workers employed in the Commission's forests is stated in the table below:—

<i>Summer (Minimum)</i>			<i>Winter (Maximum)</i>		
1920 ...	...	210	1920-21 ...	...	935
1921 ...	...	495	1921-22 ...	...	1,780
1922 ...	...	525	1922-23 ...	...	1,775
1923 ...	...	880	1923-24 ...	...	2,220
1924 ...	...	1,620	1924-25 ...	...	2,650
1925 ...	...	1,980	1925-26 ...	...	2,960
1926 ...	...	2,335	1926-27 ...	...	3,185
1927 ...	...	2,735	1927-28 ...	...	3,495
1928 ...	...	2,740	1928-29 ...	...	3,565
1929 ...	...	2,640	1929-30 ...	...	3,835
1930 ...	...	3,130	1930-31 ...	...	3,850
1931 ...	...	2,830	1931-32 ...	...	3,505
1932 ...	...	2,720	1932-33 ...	...	3,985
1933 ...	...	2,845	1933-34 ...	...	3,735
1934 ...	...	3,015	1934-35 ...	...	4,020
1935 ...	...	3,280	1935-36 ...	...	4,155
1936 ...	...	3,720	1936-37 ...	...	4,565
1937 ...	...	4,065	1937-38 ...	...	5,110
1938 ...	...	4,555	1938-39 ...	...	5,395
1939 ...	...	4,320	1939-40 ...	...	5,155
1940 ...	...	4,740	1940-41 ...	...	5,625
1941 ...	...	4,900	1941-42 ...	...	5,630
1942 ...	...	5,420	1942-43 ...	...	5,550
1943 ...	...	5,205	1943-44 ...	...	5,220
1944 ...	...	5,060	1944-45 ...	...	5,070
1945 ...	...	5,181	1945-46 ...	...	6,255

**DETAILS OF OPERATIONS**  
**FOREST YEAR ENDED 30TH SEPTEMBER, 1945**

**The Forestry Fund**

The position of the Forestry Fund at 30th September, 1945, and at the same date in previous years is shown in Table I.

TABLE I.—FORESTRY FUND ACCOUNT

Year ending 30th September	Balance from preceding Year	Receipts			Payments (Table II, Heads A to L)	Balance in Forestry Fund, 30th September
		Parliamentary Votes	From Forestry Operations, etc. (Table II, Head Z)	Total		
	(1)	(2)	(3)	(4)	(5)	(6)
First decade : 1920-29 ...	£ —	£ 4,000,000	£ 851,484	£ 4,851,484	£ 4,502,018	£ —
Second decade: 1930-39 ...	—	6,126,800	1,821,852	7,948,652	7,926,093	—
Third decade :						
1940 ...	372,025	450,000	363,198	813,198	822,217	363,006
1941 ...	363,006	400,000	569,771	969,771	988,290	344,487
1942 ...	344,487	625,000	618,990	1,243,990	1,120,544	407,933
1943 ...	467,933	550,000	679,245	1,229,245	1,192,366	504,812
1944 ...	504,812	600,000	921,454	1,521,454	1,446,980	579,286
1945 ...	579,286	850,000	631,380	1,481,380	1,356,937	703,729
Grand Total	—	13,601,800	6,457,374	20,059,174	19,355,445	—

Balances remaining in the Fund at 30th September include provision for the succeeding six months of the Financial Year.

An analysis of payments and receipts by heads of account is given in Table II. Compared with the previous year, total payments fell from £1,446,980 to £1,356,937, a decrease of £90,043, mainly under the head of forestry operations. Receipts were less by £290,074, and net payments were therefore £200,031 more than in 1944. It may be noted that heads of account differ in some respects from those under which estimates are presented to Parliament.

Table II is limited to sums actually expended or received, recorded by the heads of account under which they occurred. In subsequent tables, which are based on commercial practice, outstanding receipts and payments are brought to account, salaries and overhead charges (Heads A to D) are allocated to appropriate objects of expenditure, and adjustments are made between various heads of account in respect of such items as produce used for forest purposes and transfers of land and buildings between the forests and forest workers' holdings.

Expenditure and income adjusted on the basis stated above are shown in Table IIa.

TABLE II.—PAYMENTS AND RECEIPTS BY HEADS OF ACCOUNT

Year ending 30th September	Payments											Receipts Z.	Net Payment			
	A. Salaries Wages and Allow- ances (1)	B. Head- quarters Charges (2)	C. Assistant Commis- sioners' Charges (3)	D. Divisional Officers' Charges (4)	E. Forestry Opera- tions (5)	F. Advance for Affores- tation Purposes (6)	G. Education (7)	H. Research and Experi- ment (8)	J. Agency and Advisory Services (9)	K. Special Services (10)	L. Forest Workers' Holdings (11)			Total (12)		
First Decade :	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£	£
1920-29 ... ..	494,157	22,676	30,586	74,434	3,118,837	207,824	76,004	36,927	91,776	23,342	325,455	4,502,018	851,484	(13)	(14)	3,650,534
Second Decade :																
1930-39 ... ..	714,343	53,003	49,485	107,251	6,232,917	128,596	73,538	84,916	57	13,681	468,306	7,926,093	1,821,852			6,104,241
Third Decade :																
1940 ... ..	62,650	6,397	6,698	13,565	681,491	9,660	3,657	9,433	52	762	27,872	822,217	363,198			459,019
1941 ... ..	76,984	5,997	5,996	14,978	844,949	10,250	4,351	7,819	—	174	16,702	888,200	569,771			418,519
1942 ... ..	87,906	4,739	5,362	16,284	954,173	19,668	10,830	9,380	—	170	12,623	1,120,544	618,090			501,554
1943 ... ..	95,112	4,708	2,607	14,880	1,040,806	10,109	8,574	9,658	—	170	2,652	1,192,366	679,245			513,121
1944 ... ..	103,140	4,637	6,671	16,430	1,271,669	9,254	6,831	10,740	—	(Cr) 24	11,932	1,446,080	921,454			524,626
1945 ... ..	119,420	4,596	6,371	15,422	1,183,551	10,686	5,570	11,433	—	210	278	1,356,937	631,380			725,557
Grand Total ... ..	1,759,092	106,843	116,776	273,244	15,328,393	405,447	189,355	180,306	91,885	38,494	865,610	19,355,445	6,457,374			12,898,071



TABLE IIa.—EXPENDITURE AND INCOME

Year ending 30th September	Expenditure (including Allocation of Column 1)										Income				Net Ex- penditure (14)
	A. to D.	E.	F.	G.	H.	J.	K.	L.	Total	Z.1	Z.5	Miscell- aneous	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
First Decade: 1920-29	£ 582,178	£ 241,694	£ 101,313	£ 79,650	£ 99,233	£ 61,299	£ 389,883	£ 4,485,649	£ 882,108	£ 27,515	£ 6,936	£ 916,559	£ 3,569,090		
Second Decade: 1930-39	925,404	154,855	97,998	140,245	11,912	42,694	565,871	8,070,155	1,770,014	168,856	4,673	1,943,543	6,126,612		
Third Decade: 1940-49	90,903	12,407	5,349	14,819	906	1,635	37,587	853,895	551,362	20,324	782	572,468	281,427		
1941...	82,117	12,673	5,879	12,480	777	926	24,479	979,838	555,129	20,905	647	576,681	403,157		
1942...	110,149	24,058	12,545	14,598	1,046	1,225	23,424	1,138,659	698,040	21,545	1,624	721,209	417,450		
1943...	115,801	12,820	10,718	16,879	1,089	1,229	13,615	1,196,020	886,948	21,023	1,124	889,095	306,923		
1944...	130,146	12,804	9,204	19,076	1,223	1,326	13,789	1,459,247	624,814	21,320	898	647,032	812,215		
1945...	142,831	15,423	8,158	21,226	1,331	1,547	2,700	1,423,978	543,415	22,450	585	566,450	857,528		
Grand Total	2,179,529	486,734	251,164	318,973	117,517	111,881	1,071,348	19,607,441	6,491,890	323,938	17,269	6,833,037	12,774,404		
Percentage	—	22.5	11.3	14.6	5.4	5.1	49.2	100	95.0	4.7	.3	100	—		

Note.—The above and subsequent Tables do not include the values of properties acquired by transfer to the Commission under various Orders in Council.

**Subheads A to D—General Organisation****Expenditure £142,831**

Compared with 1944, expenditure rose by £12,685, due to increases in salaries and war bonus, normal increments and a small increase in numbers employed. At 30th September, 1945, there were 20 Divisional Officers (including 2 Deputy Surveyors), of whom 12 had territorial charges, one District Area Officer and 55 District Officers.

**Subhead E—Forestry Operations****Expenditure £1,373,593 : Income £543,415**

Details of expenditure and income are given in Table E. Gross expenditure was £28,232 less than in 1944. Acquisition of land, etc., fell by £137,399, but expenditure in 1944 included redemption of tithes and repayment to the Commissioners of Crown Lands of the capital cost of properties purchased by them on behalf of the Forestry Commissioners in previous years. Stores and miscellaneous rose by £85,425, due mainly to the purchase of used motor vehicles and of farmstock on acquired areas.

Income from Forestry Operations fell by £81,399 and is dealt with under Subhead Z.

TABLE E.—FORESTRY OPERATIONS

Year ending 30th September	Expenditure (Table IIa, Column 2).										Income (Table IIa, Column 10).					Net Expendi- ture (15) £
	Over- head Charges (1) £	Superior Super- vision (2) £	Local Super- vision (3) £	Acquisi- tion of Land, etc. (4) £	Cultural Opera- tions (5) £	Prepara- tion and Sale of Produce (6) £	Roads and Buildings (7) £	Stores and Miscel- laneous (8) £	Total	Sales of Land and Buildings (10) £	Rents and Royalties (11) £	Forest Produce (12) £	Other (13) £	Total (14) £		
First Decade	£ 192,997	201,122	174,130	787,509	1,510,801	118,853	115,488	411,677	3,512,577	78,784	274,091	406,594	122,639	882,108	2,630,469	
Second Decade:	332,060	352,049	493,661	1,534,471	3,071,019	362,395	246,853	664,072	7,056,580	76,484	791,032	699,094	203,404	1,770,014	5,286,566	
Third Decade:	38,263	32,565	62,773	70,857	431,753	21,482	25,487	98,012	781,192	1,634	92,728	432,065	24,935	551,362	229,830	
1940	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1941	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1942	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1943	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1944	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1945	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Grand Total	779,528	836,932	1,278,294	3,021,627	7,805,076	980,654	543,033	2,002,680	17,249,824	286,018	1,624,726	3,999,397	581,689	6,491,830	10,757,994	
Percentage	4.5	4.9	7.4	17.5	45.2	5.7	3.2	11.6	100	4.4	25.0	61.6	9.0	100	—	

### Overheads and Supervision

Overhead Charges, £58,306; Superior Supervision, £61,951 and Local Supervision, £137,184. Overhead charges are in respect of salaries, allowances and other expenses in the offices of the Commissioners and Assistant Commissioners. Superior supervision represents similar expenditure in respect of the Deputy Surveyors, Divisional Officers and District Officers; and local supervision comprises the salaries, housing allowances and miscellaneous expenses of Foresters and Foremen. During the year the number of Foresters and Foremen employed in forestry operations was increased by 20. At 30th September the total numbers employed were: Foresters, 277, Foremen, 148.

*Acquisition of Land, Buildings and Standing Timber.*—Expenditure amounted to £148,436, comprising £114,033 for purchases of land, standing timber and buildings; £31,788 for land and buildings held on long lease or feu, and £2,615 for redemption of tithes in England and Wales. (This expenditure is not directly applicable to the areas acquired during the year, particulars of which follow).

The total area of land acquired during the Forest Year, 1944-45, amounted to 93,632 acres, of which 43,202 were classified as plantable. On the other hand disposals of 166 acres were made and adjustments of land from unplantable to plantable amounted to 261 acres.

The net total area in Great Britain in respect of which the legal formalities of acquisition by the Department had been completed by 30th September, 1945, was 1,236,252 acres, the corresponding figures in the two previous Annual Reports being 1,147,113 acres and 1,130,203 acres. In addition to these completed acquisitions, entry had been secured to other property. Details are given in the table below which also shows the area of "plantable" land and "other" land, i.e., land which is either too poor to plant or is required for other purposes.

LAND ACQUIRED BY LEASE, FEU OR PURCHASE FROM  
29TH NOVEMBER, 1919 TO 30TH SEPTEMBER, 1945

Country	By Lease or Feu			By Purchase			Total Acquired
	Plantable (inc. Planted)	Other Land	Total	Plantable (inc. Planted)	Other Land	Total	
	acres	acres	acres	acres	acres	acres	acres
<i>England and Wales :</i>							
Finally completed	142,119	28,657	170,776	281,566	84,514	366,080	536,856
Entry secured ...	2,448	107	2,555	133	—	133	2,688
Total ...	144,567	28,764	173,331	281,699	84,514	366,213	539,544
<i>Scotland :</i>							
Finally completed	98,563	106,861	205,424	243,837	250,135	493,972	699,396
Entry secured ...	4,639	454	5,093	—	—	—	5,093
Total... ..	103,202	107,315	210,517	243,837	250,135	493,972	704,489
<i>Great Britain</i> ...	247,769	136,079	383,848	525,536	334,649	860,185	1,244,033

Of the net total area acquired by lease, feu and purchase in Great Britain to 30th September, 1945, 773,305 acres were classified at the time of acquisition as plantable and of this area 426,266 acres (55 per cent.) were in England and Wales, and 347,039 acres (45 per cent.) in Scotland.

In addition to the above-mentioned areas, Crown Woodlands extending to about 120,000 acres (of which some 60,000 acres are plantable) have been transferred to the Forestry Commissioners.

The total area of land in the Commissioners' control is thus approximately 1,364,000 acres. In round figures the utilisation as at 30th September, 1945 is shown in the Table on page 11.

*Cultural Operations.*—Expenditure amounted to £567,183, details of which are given in Table E.5. Plantations accounted for £391,414 and nurseries £175,769.

TABLE E.5—CULTURAL OPERATIONS (TABLE E. COLUMN 5)

Year ending 30th September	Plantations				Nurseries (5)	Grand Total (6)
	Prepara- tory work and Planting (1)	Establish- ment and Main- tenance (2)	Forest Protec- tion (3)	Total (4)		
First Decade 1920-29 ...	£ 638,503	£ 295,201	£ 95,824	£ 1,029,528	£ 481,273	£ 1,510,801
Second Decade: 1930-39 ...	1,053,327	916,427	377,133	2,346,887	724,132	3,071,019
Third Decade: 1940 ... ..	139,854	128,221	63,079	331,154	100,599	431,753
1941 ... ..	149,570	159,020	89,341	397,931	135,396	533,327
1942 ... ..	115,723	198,762	103,490	417,975	132,406	550,381
1943 ... ..	84,558	206,287	98,583	389,428	178,052	567,480
1944 ... ..	70,090	224,132	104,841	399,063	174,069	573,132
1945 ... ..	65,425	222,931	103,058	391,414	175,769	567,183
Grand Total ...	2,317,050	2,350,981	1,035,349	5,703,380	2,101,696	7,805,076
Percentage of Column 4 ...	40.6	41.2	18.2	100	—	—
Percentage of Column 6 ...	29.7	30.1	13.2	73.0	27.0	100

It will be observed that during the war years the sums expended on the maintenance and protection of existing plantations (Columns 2 and 3) have tended to exceed those spent on new planting (Column 1). This is due to the increase in the *total* area planted, together with a decrease in the area planted *each year*. The expenditure on Nurseries (Column 5) has increased owing to the need to raise stocks of trees for post-war planting.

*Plantations.*—The total area planted or sown during the year was 6,510 acres, of which 6,055 acres were placed under conifers and 455 acres under broadleaved species. Included in the above are 417 acres re-afforested in the former Crown Woods and 1,452 acres replanted after damage by fire. Details by forests are given in Appendix I.

The total addition to the woodland area of Great Britain as a result of the Commission's operations was 3,025 acres. In forming plantations and beating-up previous years' plantations 22 million trees were used, of which

48 per cent. were Norway and Sitka spruces ; 25 per cent. Scots and Corsican pines ; 8 per cent. European and Japanese larches ; 2 per cent. Douglas fir and 12 per cent. broadleaved species. An area of 97 acres of existing woods was underplanted.

The quantities of work done by Divisions during the year are shown in the Table below.

## SILVICULTURAL OPERATIONS

Division	Planted and Sown	Naturally Regenerated	Under-planted	Thinned	Felled
	Acres	Acres	Acres	Acres	Acres
England & Wales :					
N.E.(E) ...	1,249	—	4	354	28
N.(W) ...	544	—	—	1,391	312
S.W.(E) ...	107	—	—	469	83
S.E.(E) ...	389	—	15	244	998
E.(E) ...	215	—	13	1,543	230
New ...	335	—	—	524	502
Dean ...	158	9	6	1,265	78
N.W.(E) ...	191	—	5	236	20
S.(W) ...	603	—	6	107	37
Total ...	3,791	9	49	6,133	2,288
Scotland :					
North ...	341	—	—	696	88
South ...	543	—	18	475	51
East ...	1,016	5	—	559	139
West ...	819	—	30	357	2
Total ...	2,719	5	48	2,087	280
Total—Gt. Britain	6,510	14	97	8,220	2,568

*Cost of Planting.*—The outlay on labour and material on the areas planted between 1919 and 1945 was £11 8s. od. per acre.

This figure covers the cost of preparation of ground, drainage, fencing, plants, planting, replacement of failures and weeding, but does not include expenditure on forest protection, supervision and overhead charges.

*Nurseries.*—The total area under nurseries at 30th September, 1945, was 1,573 acres stocked with 250 million seedlings and 80 million transplants. Comparative figures for the three years 1943-45 are given in the following table.

NURSERIES

Year ending 30th September	Country	Seed Sown (lbs.)			Stock of Plants at 30th September (Thousands)						Area (Acres)
		Coni-ferous	Broad-leaved	Total	Transplants			Seedlings			
					Coni-ferous	Broad-leaved	Total	Coni-ferous	Broad-leaved	Total	
1945	England & Wales ...	4,184	92,199	96,383	37,558	5,449	43,007	132,600	14,231	146,831	1,012
	Scotland ...	3,655	1,754	5,409	30,244	294	36,538	101,573	1,979	103,552	561
	Total ...	7,839	93,953	101,792	73,802	5,743	79,545	234,173	16,210	250,383	1,573
1944	England & Wales ...	5,886	39,653	45,539	29,537	7,681	37,218	146,401	3,579	149,980	1,023
	Scotland ...	4,371	74	4,445	35,457	538	35,995	105,852	183	106,035	530
	Total ...	10,257	39,727	49,984	64,994	8,219	73,213	252,253	3,762	256,015	1,559
1943	England & Wales ...	5,112	90,802	95,914	40,304	6,242	46,546	141,849	11,672	153,521	1,043
	Scotland ...	5,064	2,104	7,168	26,239	792	27,031	99,556	460	99,996	512
	Total ...	10,176	92,906	103,082	66,543	7,034	73,577	241,385	12,132	253,517	1,555

Details showing by Divisions the utilisation of Nursery Area are as follows :—

UTILISATION OF NURSERY AREA

Division	Seedbeds	Transplant Lines	Fallow and Green Crops	Other	Total
	Acres	Acres	Acres	Acres	Acres
<i>England &amp; Wales :</i>					
N.E.(E) ...	20.9	47.0	81.6	19.6	169.1
N.(W) ...	22.7	33.2	42.8	20.2	118.9
S.W.(E) ...	8.9	9.4	5.3	6.8	30.4
S.E.(E) ...	29.8	38.5	26.4	18.9	113.6
E.(E) ...	46.3	30.6	63.7	23.8	164.4
New ...	49.4	40.2	75.8	17.5	182.9
Dean ...	8.8	13.8	14.4	5.7	42.7
N.W.(E) ...	4.1	9.0	37.8	5.1	56.0
S.(W) ...	26.0	43.8	38.3	25.1	133.2
<b>Total ...</b>	<b>216.9</b>	<b>265.5</b>	<b>386.1</b>	<b>142.7</b>	<b>1,011.2</b>
<i>Scotland :</i>					
North ...	21.0	29.3	47.8	15.7	113.8
South ...	17.3	42.9	38.0	14.6	112.8
East ...	27.3	40.6	32.8	22.4	123.1
West ...	33.5	45.4	111.0	20.6	210.5
<b>Total ...</b>	<b>99.1</b>	<b>158.2</b>	<b>229.6</b>	<b>73.3</b>	<b>560.2</b>
<b>Total—Gt. Britain</b>	<b>316.0</b>	<b>423.7</b>	<b>615.7</b>	<b>216.0</b>	<b>1,571.4</b>

SEED SUPPLY

*Imported Seed.*

Apart from war time difficulties, crops of the main species, except Douglas fir, were very scanty in Canada and the U.S.A. A quantity of Corsican pine seed was obtained from Corsica and some beech seed from France. The undermentioned quantities of seed were imported :—

<i>Species</i>	<i>lbs.</i>	<i>Value (£)</i>	<i>Country of Origin</i>
Douglas fir ...	2,117	2,803	U.S.A.
Sitka spruce (Queen Charlotte strain)	65	72	Canada
Sitka spruce (Queen Charlotte strain)	149	255	U.S.A.
Abies grandis (Grand Silver fir) ...	162½	203	U.S.A.
Tsuga (Western Hemlock) ...	23½	43	U.S.A.
Thuja (Western Red Cedar)...	30	43	U.S.A.
Sequoia sempervirens (Redwood) ...	2	gratis	U.S.A.
Corsican pine ...	795	1,664	Corsica
Beech ...	448	30	France

*Home Collection.*

*England and Wales.*—With the exception of Scots pine and Corsican pine the quantity of cones collected was negligible. 2,365 bushels of Scots pine and 434 bushels of Corsican pine were obtained, the resultant yield of seed being 1,167 lbs. and 316 lbs., respectively.

The crops of both acorns and beech were good. 54,070 lbs. of the former and 60,683 lbs. of the latter were collected. Sufficient of other hardwood species was obtained to meet requirements.



*Scotland.*—The following are details of cones collected and the resultant yield of seed :—

<i>Species</i>	<i>Quantities</i> (bushels)	<i>Yield of Seed</i> (lbs.)
Scots pine ... ..	1,147	496
European larch ... ..	741	602
Japanese larch ... ..	7	4
Douglas fir ... ..	118	44
Norway spruce ... ..	398	68
Miscellaneous Conifers ... ..	75	112

Small quantities of hardwood seed were also obtained.

#### *Seed Sold.*

The quantity of seed sold to the Trade and private individuals was :—

	<i>Trade</i> (lbs.)	<i>Private</i> <i>Individuals</i> (lbs.)	<i>Total</i> (lbs.)
Conifers ...	1,870	150	2,020
Hardwoods	9,532	155	9,687

#### FOREST FIRES

Losses during the year were light although the number of outbreaks might be regarded as normal. The total reported during the year was 630, of which 82 per cent. were extinguished before causing damage to Commission property ; these figures include fires on adjoining land where they threatened Commission property. The area of Commission plantations burnt was 276 acres, equivalent in terms of growth to 2,875 acre-years (excluding 25 acres of natural regeneration and coppice), and the damage was assessed at £7,000, including cost of extinguishing. Only one large fire occurred but this accounted for 46 per cent. of the total loss during the year.

Comparative figures for the five years 1941 to 1945 are given below :—

	1941	1942	1943	1944	1945
Number of fires ...	712	1,381	514	811	630
Area burnt (acres) ...	3,025	6,507	949	1,922	276
Damage valued at ...	£49,500	£158,000	£19,500	£36,500	£7,000

Claims aggregating £1,050 were lodged by the Commissioners in respect of the damage done during the year.

The table below gives the causes of fires in 1945. Most of the fires originated in sparks from railway engines, but serious damage was also caused by fires which spread from adjoining land.

## ORIGIN, NUMBER AND EXTENT OF FOREST FIRES

<i>Origin</i>	<i>Number of Fires</i>	<i>Planted Area Burnt (acres)</i>
<i>Normal causes</i>		
Railways ... ..	347	46
Adjoining land ... ..	110	24
General public ... ..	47	15
Road engines ... ..	5	6
Commission employees ... ..	3	17
Miscellaneous ... ..	19	14
Unknown ... ..	57	113
Totals ... ..	588	235
<i>War causes</i>		
R.A.F. ... ..	26	31
Troops ... ..	16	10
Totals ... ..	42	41
Totals, all causes ... ..	630	276

**Subhead F.—Advances for Afforestation Purposes****Expenditure £15,423**

Grants to private individuals and local authorities for planting amounted to £6,542, advances in respect of a proceeds-sharing scheme to £3,554, and overhead and supervisory charges to £5,327.

The grants were as follows :—

(1) Conifers.—Up to £2 per acre planted or sown and thereafter maintained as a forest crop.

(2) Hardwoods.—For every acre planted or sown with approved species and thereafter maintained as an area for the production of hardwoods : up to £4 per acre for oak or ash ; £3 per acre for beech, sycamore or chestnut, and £2 per acre for other approved species.

The number of schemes in respect of which grants were paid during the year and the areas dealt with are stated below :—

Country :	England and Wales	Scotland	Total
Number of Schemes ... ..	164	51	215
Planting Conifers ... ..	Acres	Acres	Acres
Planting Hardwoods ... ..	1,355	974	2,329
	440	—	440
Total ... ..	1,795	974	2,769

**Subhead G.—Education****Expenditure £8,158**

Details of expenditure are given in Table G.

*Apprentices' Schools : Expenditure £3,776.*

The Parkend (Glos). School remained closed throughout the year.

Benmore (Argyll) School continued to function satisfactorily. The total number of apprentices at this school at the end of the year was 30. In order to enable apprentices to complete their period of training the Ministry of Labour and National Service agreed to grant them deferment until the end of the course. Of the 16 second-year students who completed their course, 7 were drafted to Forests in Scotland, 7 to England, and 2 returned to Northern Ireland.

A new class was recruited at the end of the year consisting of 16 students—8 from England and Wales, 6 from Scotland and 2 from Northern Ireland. The method of final selection of candidates by a Selection Board, which was introduced last year, was continued, as examination results have shown that it has thoroughly justified itself.

*Grants to Universities, Colleges, etc. : Expenditure £1,300.*

Grants were made during the year to the following :—Cambridge University ; University College of North Wales, Bangor ; King's College, Newcastle-on-Tyne ; Aberdeen University.

*Imperial Forestry Institute : Expenditure £1,750.*

The annual grant was continued.

TABLE G.—EDUCATION

Year Ending 30th September	Expenditure (Table IIA, Column 4)							Income	Net Expenditure
	Superior Supervision Overhead Charges	Apprentices' Schools				Grants to Institutions	Total		
		Salaries and Expenses of Instructors	Purchase and Rent of Land and Buildings	Allowances to Apprentices	Stores, Fuel, Light, &c.				
First Decade :	£	£	£	£	£	£	£	£	
1920-29 ... ..	13,125	15,401	6,195	21,799	14,192	30,691	101,313	2,427	98,886
Second Decade :	12,184	10,848	5,329	17,682	9,399	42,646	97,998	443	97,555
Third Decade :	864	408	29	1,164	459	2,425	5,349	8	5,341
1940 ... ..	777	665	145	591	651	3,050	5,879	42	5,837
1941 ... ..	1,046	1,313	417	2,754	2,748	4,267	12,545	88	12,457
1942 ... ..	1,089	1,443	205	3,225	1,706	3,050	10,718	86	10,632
1943 ... ..	1,223	1,109	98	3,076	648	3,050	9,204	1	9,203
1944 ... ..	1,332	1,304	55	1,878	539	3,050	8,158	—	8,158
Grand Total :	31,640	32,491	12,473	52,079	30,252	92,229	251,104	3,995	248,069
Percentage :	12.6	12.9	5.0	20.7	12.1	36.7	100	—	—

### Subhead H.—Research and Experiment.

Expenditure: Gross £21,226. Net £21,200.

Details of expenditure are given in Table H (below).

TABLE H—RESEARCH AND EXPERIMENT.

Year ending 30th September	Expenditure (Table IIa, Column 5)					Income	Net Expenditure
	Superior Supervision and Overhead Charges	Salaries and Expenses	Labour, Stores, etc.	Grants to Institutions.	Total		
First Decade : 1920-29 ...	£ 13,699	£ 38,458	£ 20,230	£ 7,263	£ 79,650	£ 1,058	£ 78,592
Second Decade : 1930-39 ...	£ 14,584	£ 55,042	£ 47,030	£ 23,589	£ 140,245	£ 2,540	£ 137,705
Third Decade :							
1940 ... ..	864	5,501	4,768	3,686	14,819	532	14,287
1941 ... ..	777	5,452	4,122	2,129	12,480	435	12,045
1942 ... ..	1,046	6,587	5,296	1,669	14,598	422	14,176
1943 ... ..	1,089	8,440	6,024	1,326	16,879	174	16,705
1944 ... ..	1,222	9,646	6,604	1,604	19,076	202	18,874
1945 ... ..	1,331	11,430	6,954	1,511	21,226	26	21,200
Grand Total :	34,612	140,556	101,028	42,777	318,973	5,389	313,584
Percentage :	10.9	44.1	31.6	13.4	100	—	—

#### *Production.*

Most of the year was spent in thinning and remeasuring permanent sample plots, the total number so treated being 47. Of these 34 were in England and 13 in Scotland.

Seven new plots were established during the year, 6 in Scotland and 1 in England.

#### *Nursery and Plantation Work.*

A Sub-Committee of the Advisory Committee on Forest Research was appointed in July 1944 to investigate and assess the problems underlying the nutrition of forest trees in nurseries, and to suggest any desirable extensions of the investigations already in progress. The Sub-Committee had the following membership: Professor F. T. Brooks, F.R.S. Botany School, Cambridge, Chairman; Dr. E. M. Crowther, F.I.C., Rothamsted Experimental Station; Mr. G. V. Jacks, Imperial Bureau of Soil Science; Dr. M. C. Rayner, Bedford College for Women, London; Dr. J. H. Quastel, F.R.S., Unit of Soil Metabolism, Agricultural Research Council; Sir Edward Salisbury, F.R.S., Royal Botanic Gardens, Kew; Mr. W. H. Guillebaud, Forestry Commission, Secretary.

A programme of experimental work was drawn up and a series of preliminary experiments carried out on Wareham Forest as well as at Kennington Nursery and Bagley Wood near Oxford. Apart from this new line of work investigations on the making of compost and on the raising of seedlings on woodland and heathland soils were continued. Preliminary experiments on the partial sterilisation of nursery soils resulted in a dramatic improvement in the size of conifer seedlings produced.

Depth of ploughing, the comparison between complete ploughing and spaced out single furrow ploughing, and the use of seedlings on ploughed ground have been the chief subject of the plantation experimental work. Steps were taken to cope with the arrears of assessment work in existing experimental plots which have tended to accumulate during the war years.

The collection of data from war fellings was terminated and a start made with the collation and analysis of the large mass of information which has been assembled ; the incidence of butt rot is one of the first matters under examination.

#### *Entomology and Pathology.*

The European larch die-back problem has led to the focussing of attention on the Adelges/Aphis group of insects ; apart from the species which feed on the larch there are other members of the group attacking Sitka spruce, Douglas fir and the pines. During the summer a survey was carried out to determine the incidence of the various pests and their ladybird and other predators.

A preliminary investigation was begun in East Anglia on the causes of an outbreak of disease caused by root fungi attacking young pine plantations.

#### *Botanical and Soil Research.*

Progress has been made in the working out of the complex mycorrhizal structures in young forest trees. Some preliminary work has been done on the East Anglian soils where attacks by root fungi have occurred. Dr. E. V. Laing of Aberdeen University has continued his studies on the Hybrid Larch.

#### *Utilisation.*

Sample thinnings cut from 20-30 year old plantations were sent to the Forest Products Research Laboratory for conversion. After seasoning, the sawn material was planed up and its utility assessed. The Laboratory reported favourably on the quality of the boards and small scantlings cut from spruce thinnings.

### **Subhead J.—Agency and Advisory Services.**

**Expenditure : £1,331. Income : £554.**

The expenditure is an apportionment of overhead and supervisory charges in respect of the time of various officers of the Commission who have been engaged in answering enquiries and advising woodland owners as to the treatment of their woods.

## Subhead K.—Special Services.

Expenditure : £1,547.

Details of expenditure are given in Table K. (below).

TABLE K.—SPECIAL SERVICES.

Year ending 30th September	Expenditure (Table IIa, Column 7)						Income	Net Expenditure
	Superior Supervision and Overhead Charges	Consultative Committee's Expenses	Publications	Special Enquiries	Relief of Unemployment	Total		
First Decade : 1920-29 ...	£ 26,585	£ 523	£ 1,995	£ 12,368	£ 19,828	£ 61,299	£ 347	£ 60,952
Second Decade : 1930-39 ...	28,698	145	1,279	12,572	—	42,694	33	42,661
Third Decade								
1940 ... ..	864	9	2	760	—	1,635	1	1,634
1941 ... ..	777	—	—	149	—	926	—	926
1942 ... ..	1,046	—	—	179	—	1,225	—	1,225
1943 ... ..	1,089	—	—	140	—	1,229	—	1,229
1944 ... ..	1,222	—	—	104	—	1,326	—	1,326
1945 ... ..	1,331	—	—	216	—	1,547	5	1,542
Grand Total :	61,612	677	3,276	26,488	19,828	111,881	386	111,495
Percentage :	55.0	.6	2.9	23.7	17.8	100		

## PUBLICATIONS.

The following publications were issued during the year: *Report of the National Forest Park Committee (Glentroot)* 1943, and *Report of the National Forest Park Committee (Hardknott)* 1944.

Work was begun on a new series of publications, styled the "Forest Operations" series, and also on guide books to National Forest Parks. In addition, the work of revising and re-issuing certain of the existing publications was put in hand, as in many cases stocks had become exhausted during the war years.

## Subhead L.—Forest Workers' Holdings

Expenditure : £2,700. Income : £22,450.

Total expenditure was considerably less than in the previous year owing to transfer to forestry operations of land and buildings not required for holdings; otherwise expenditure and income show little change. Details are given in Table L.

The average pre-war cost of establishing a holding was £508, of which land accounted for £69, and cost of buildings, drainage, water supply, etc. £439. The total number of holdings for forest workers at the close of the year amounted to 1,501.

TABLE L.—FOREST WORKERS' HOLDINGS

Year ending 30th September	Expenditure (Table IIA, Column 8)						Income (Table IIA, Column II)				Net Expenditure (12) £	
	Superior Supervision & Overhead Charges (1) £	Purchase and Rent of Land and Buildings (2) £	Buildings			Fencing, Drainage, etc. (6) £	Miscel- laneous (7) £	Total (8) £	Rents (9) £	Other (10) £		Total (11) £
			New (3) £	Adapta- tions (4) £	Repairs (5) £							
First Decade :												
1920-29 ...	35,894	103,940	192,184	32,302	3,882	17,561	4,120	389,883	26,261	1,254	27,515	362,368
Second Decade :												
1930-39 ...	94,399	108,894	234,824	43,830	46,341	27,967	9,616	565,871	167,966	890	168,856	397,015
Third Decade :												
1940 ...	8,637	3,690	16,417	317	5,667	1,464	1,395	37,587	20,303	21	20,324	17,263
1941 ...	7,766	2,661	448	5,128	6,246	1,108	1,122	24,479	29,806	99	20,905	3,574
1942 ...	10,464	2,066	1,480	467	7,069	441	1,437	23,424	21,506	39	21,545	1,879
1943 ...	10,894	*6,327(Cr.)	36	260	6,179	1,135	1,438	13,615	21,022	1	21,023	7,408(Cr.)
1944 ...	2,125	1,837	27	100	7,669	498	1,533	13,789	21,291	29	21,320	7,531(Cr.)
1945 ...	2,247	*12,586(Cr.)	35	1,234	9,264	781	1,725	2,700	22,306	144	22,450	19,750(Cr.)
Grand Total	172,426	204,175	445,451	83,638	92,317	50,955	22,386	1,071,348	321,461	2,477	323,938	747,410
Percentage	16.1	19.1	41.6	7.8	8.6	4.7	2.1	100	99.2	.8	100	

\* Credit entry due to transfer to forestry operations of land and buildings not required for holdings.



### Subhead Z.—Income £566,450

Total income was £80,582 less than in 1944, due mainly to the receipt in the previous year of compensation for the Commission's coal rights transferred to the Coal Commission under the Coal Act, 1938. Details are given in Table Z.

"Other" income includes sales of livestock £23,453, and miscellaneous estate, farm and forest receipts £23,916. Sales of forest produce amounted to £394,688, forming 70 per cent. of the total income for the year.

TABLE Z.—INCOME

Year ending 30th September	Forestry Operations						Forest Workers' Holdings (Rents, etc.)	Miscellaneous	Grand Total
	Sales of Land and Buildings	Rents and Royalties	Forest Produce	Other	Total				
First Decade:	£	£	£	£	£	£	£	£	
1920-29 ... ..	78,784	274,091	406,594	122,639	882,108	27,515	6,936	916,559	
Second Decade:	76,484	791,932	699,094	203,404	1,770,014	168,856	4,673	1,943,543	
Third Decade:	1,634	92,728	432,065	24,935	551,362	20,324	782	572,468	
1940 ... ..	2,481	95,193	428,374	29,081	555,129	20,905	647	576,681	
1941 ... ..	1,677	103,045	540,778	52,540	698,040	21,545	1,624	721,209	
1942 ... ..	9,411	84,574	722,046	50,917	866,948	21,023	1,124	889,095	
1943 ... ..	106,169	93,001	375,778	49,866	624,814	21,320	898	647,932	
1944 ... ..	9,378	91,062	394,668	48,307	543,415	22,450	585	566,450	
Grand Total	286,018	1,624,726	3,999,397	581,689	6,491,830	323,938	17,209	6,833,937	
Percentage ... ..	4.2	23.8	58.5	8.5	95.0	4.7	.3	100	

## SUMMARY OF PLANTATIONS—YEAR

Forest	Area Planted (acres)					
	Afforested		Re-afforested		Total	
	Conifers	Broad-leaved	Conifers	Broad-leaved	Conifers	Broad-leaved
England and Wales ...	1,304	60	2,044	383	3,348	443
Scotland ... ..	1,650	11	1,057	1	2,707	12
Total ... ..	2,954	71	3,101	384	6,055	455

ENDED 30TH SEPTEMBER, 1945

## Species planted, including beating-up (thousands)

Scots. and Corsican Pines	Eur. and Jap. Larches	Douglas Fir	Norway and Sitka Spruces	Oak	Ash	Beech	Others	Total
3,730	1,227	376	6,216	1,138	53	1,247	504	14,491
1,929	640	96	4,369	4	14	56	351	7,459
5,659	1,867	472	10,585	1,142	67	1,303	855	21,950

(Signed) R. L. ROBINSON (*Chairman*)  
 J. M. BANNERMAN  
 R. C. G. COTTERELL  
 COURTHOPE  
 THOMAS JOHNSTON  
 LLOYD O. OWEN  
 RADNOR  
 S. STRANG STEEL  
 W. J. STIRLING  
 W. L. TAYLOR

T. W. CLELAND, *Secretary*,  
 25, Savile Row,  
 London, W.1.

## PLANTATIONS—YEAR ENDED 30TH

Forest	Area planted (Acres)					
	Afforested		Re-afforested		Total	
	Coni- fers	Broad- leaved	Coni- fers	Broad- leaved	Coni- fers	Broad- leaved
*Alice Holt, Hants ... ..	—	—	34	24	34	24
Allerston, Yorks ... ..	43	—	46	—	89	—
Ampleforth, Yorks ... ..	—	—	26	—	26	—
Amphill, Bedford ... ..	—	—	1	—	1	—
Arkengarthdale, Yorks ... ..	33	—	—	—	33	—
Arundel, Sussex ... ..	—	—	10	—	10	—
Bardney, Lincoln ... ..	—	—	1	3	1	3
Bawtry, Notts ... ..	—	—	—	—	—	—
Beddgelert, Caernarvon ... ..	—	—	—	—	—	—
*Bedgebury, Kent ... ..	—	—	15	—	15	—
*Bere, Hants ... ..	—	—	4	—	4	—
Bodmin, Cornwall ... ..	—	—	10	1	10	1
Bourne, Lincoln and Rutland ... ..	—	—	—	—	—	—
Bramshill, Berks and Hants ... ..	—	—	15	1	15	1
Brechfa, Carmarthen ... ..	164	—	—	—	164	—
Brecon, Brecknock ... ..	—	—	—	—	—	—
Brendon, Somerset ... ..	—	—	—	—	—	—
Brighstone, Isle of Wight ... ..	—	—	—	—	—	—
Bruton, Somerset and Wilts ... ..	—	—	16	—	16	—
Brynmawr, Cardigan ... ..	37	—	—	—	37	—
Buriton, Hants and Sussex ... ..	—	7	—	—	—	7
Caio, Carmarthen ... ..	39	—	—	—	39	—
Cannock Chase, Stafford ... ..	—	—	26	—	26	—
Challock, Kent... ..	—	—	7	—	7	—
Chepstow, Mon. ... ..	—	—	—	—	—	—
Chiddingfold, Surrey and Sussex ... ..	—	—	7	—	7	—
*Chopwell, Durham ... ..	—	—	14	—	14	—
Cilgwyn, Carmarthen ... ..	—	—	—	—	—	—
Clipstone, Derby and Notts ... ..	—	—	1	3	1	3
Clocaenog, Denbigh and Merio- neth ... ..	—	—	—	—	—	—
Coed Sarnau, Radnor... ..	17	—	—	—	17	—
Coed y Brenin, Merioneth ... ..	—	—	1	2	1	2
Coed y Rhaiadr, Brecon ... ..	—	—	—	—	—	—
Collingbourne, Wilts ... ..	—	—	3	25	3	25
Combley, Isle of Wight ... ..	—	—	14	—	14	—
Crychan, Brecknock and Carm Cwmeinion, Cardigan ... ..	16	—	—	—	16	—
Cwmogwr, Glamorgan ... ..	15	—	—	—	15	—
Cynwyd, Merioneth ... ..	—	—	—	—	—	—
Dartmoor, Devon ... ..	—	—	—	—	—	—
*Dean Forest, Glos, Mon, Here ... ..	—	—	42	54	42	54
*Delamere, Cheshire ... ..	—	—	105	—	105	—
Dovey, Merioneth and Mont... ..	31	—	57	—	88	—
Dunwich, Suffolk ... ..	—	—	12	—	12	—
Dyfnant, Montgomery ... ..	—	—	—	—	—	—
Dymock, Glos and Hereford... ..	—	—	—	—	—	—
Eggesford, Devon ... ..	—	—	42	1	42	1
Ennerdale, Cumberland ... ..	7	—	7	—	14	—
Ferndown, Dorset ... ..	—	—	5	—	5	—
Friston, Sussex ... ..	—	—	2	20	2	20

\*Former Crown Woods.

## dix I

SEPTEMBER, 1945—ENGLAND &amp; WALES

## Species planted, including beating-up (thousands)

Scots and Corsican Pine	Eur. and Jap. Larches	Douglas Fir	Norway and Sitka Spruces	Oak	Ash	Beech	Other	Total
57	4	18	2	115	—	—	11	207
193	16	3	245	—	—	23	2	482
25	33	—	28	—	—	—	—	86
1	2	—	—	—	—	5	2	10
1	—	—	107	—	—	—	—	108
90	14	3	3	6	—	75	2	193
28	—	2	—	29	—	2	—	61
5	—	—	—	—	—	—	2	7
—	—	—	7	—	—	—	—	7
134	31	1	5	—	—	—	14	185
14	5	—	—	6	—	—	—	25
—	19	—	3	—	—	3	3	28
59	—	1	—	—	—	—	—	60
114	—	—	17	—	—	2	24	157
14	59	5	240	—	—	—	5	323
—	—	—	1	—	—	—	7	8
2	—	—	4	—	—	—	1	7
47	—	—	7	—	—	41	—	95
—	1	—	39	1	—	1	3	45
—	—	—	53	—	—	—	—	53
53	—	—	—	—	—	67	—	120
10	—	8	43	—	—	—	8	69
74	6	—	—	—	—	—	2	82
9	10	—	—	—	—	27	—	46
—	—	—	—	—	—	1	—	1
11	4	3	27	16	—	—	3	64
6	27	—	5	—	—	—	1	39
—	—	—	—	—	—	—	—	—
45	—	—	—	5	—	108	8	166
17	3	—	40	—	—	6	1	67
8	—	—	34	—	—	—	—	42
20	21	—	38	—	—	3	—	82
—	1	—	9	—	—	—	—	10
4	5	—	—	—	—	89	1	99
28	—	—	8	—	—	—	—	36
10	11	—	38	—	—	—	4	63
—	—	—	8	—	—	—	—	8
19	4	—	31	—	—	—	—	54
2	—	—	—	—	—	—	—	2
—	—	—	6	—	—	—	7	13
21	151	1	164	365	21	90	56	869
163	32	—	25	—	—	—	—	220
—	26	1	137	—	—	—	—	164
26	—	—	—	—	—	—	2	28
—	—	—	3	—	—	—	—	3
—	4	1	—	—	—	—	3	8
—	39	28	10	—	—	1	—	78
—	13	—	74	—	—	9	2	98
19	3	—	—	—	—	—	—	22
44	—	—	2	—	—	38	2	86

Forest	Area planted (Acres)					
	Afforested		Re-afforested		Total	
	Conifers	Broad-leaved	Conifers	Broad-leaved	Conifers	Broad-leaved
Gardiner, Wilts ... ..	23	31	19	4	42	35
Giedd, Brecon ... ..	—	—	74	—	74	—
Glasfynydd, Brecknock ... ..	—	—	—	—	—	—
Goodwood, Sussex ... ..	—	—	5	23	5	23
Gravetye, Sussex ... ..	—	—	—	—	—	—
Greystoke, Cumberland ... ..	20	1	—	—	20	1
Grizedale, Lancs ... ..	—	—	8	—	8	—
Gwydyr, Carn and Denbigh ... ..	11	—	14	—	25	—
*Hafod Fawr, Merioneth ... ..	—	—	—	—	—	—
Hafren, Montgomery ... ..	—	—	99	—	99	—
Haldon, Devon ... ..	—	—	5	—	5	—
Halwill, Devon ... ..	—	—	—	—	—	—
Hamsterley, Durham ... ..	42	—	—	—	42	—
Hardknott, Cumberland ... ..	17	—	—	—	17	—
Hartland, Devon ... ..	8	—	—	—	8	—
Harwood, Northumberland ... ..	—	—	—	—	—	—
Hay, Hereford ... ..	65	—	—	—	65	—
Hazelborough, Bucks and Northants ... ..	—	—	—	23	—	23
Herodsfoot, Cornwall ... ..	—	—	1	—	1	—
Hope, Derby ... ..	—	—	—	—	—	—
Itton, Monmouth ... ..	—	—	—	18	—	18
Kerry, Salop and Montgomery ... ..	—	—	51	—	51	—
Kershope, Cumberland ... ..	131	—	—	—	131	—
Kielder, Northumberland ... ..	262	—	227	—	489	—
King's Forest, The, Suffolk ... ..	—	—	—	—	—	—
Langdale, Yorks ... ..	46	—	—	—	46	—
Laughton, Lincoln ... ..	—	—	—	—	—	—
Llanover, Monmouth ... ..	—	—	—	—	—	—
Llantrisant, Glamorgan ... ..	—	—	2	—	2	—
Lyminge, Kent ... ..	—	—	—	33	—	33
Marden, Sussex ... ..	—	—	—	—	—	—
Margam, Glamorgan ... ..	—	—	—	—	—	—
Micheldever, Hants ... ..	—	—	—	—	—	—
Monmouth, Monmouthshire ... ..	—	—	9	13	9	13
Mortimer, Hereford, Salop and Radnor ... ..	—	—	39	—	39	—
Myherin, Cardigan ... ..	—	—	—	—	—	—
Mynydd Ddu, Brecknock and Monmouth ... ..	54	—	—	—	54	—
Mathrafal, Montgomery ... ..	—	—	—	—	—	—
Mendip, Somerset ... ..	22	1	—	—	22	1
Michaelston, Glamorgan ... ..	73	—	—	—	73	—
Newborough, Anglesey ... ..	—	—	—	—	—	—
*New Forest, Hants ... ..	—	—	93	—	93	—
Orlestone, Kent ... ..	—	—	27	—	27	—
Osborne, Isle of Wight ... ..	—	—	—	—	—	—
*Parkhurst, Isle of Wight ... ..	—	—	—	2	—	2
Pembrey, Carmarthen ... ..	16	—	—	—	16	—
Quantocks, Somerset ... ..	—	—	—	—	—	—
Radnor, Radnorshire ... ..	—	—	15	—	15	—
Redesdale, Northumberland ... ..	11	—	13	—	24	—
Rendlesham, Suffolk ... ..	—	—	13	3	13	3

\* Former Crown Woods.

—continued

## Species planted, including beating-up (thousands)

Scots and Corsican Pine	Eur. and Jap. Larches	Douglas Fir	Norway and Sitka Spruces	Oak	Ash	Beech	Other	Total
31	75	1	23	—	19	63	8	220
—	—	—	128	—	—	—	—	128
—	1	—	33	—	—	—	2	36
—	7	—	—	—	—	73	2	82
1	1	—	1	—	—	1	1	5
—	—	—	66	—	—	—	—	66
1	8	1	81	—	—	1	2	94
47	20	2	149	—	—	1	19	238
6	—	—	6	—	—	—	—	12
—	49	—	200	—	—	—	1	250
32	1	—	—	—	—	—	2	35
5	—	—	18	—	—	—	46	69
98	33	6	175	—	—	—	6	318
3	2	1	84	—	—	—	1	91
18	3	—	38	—	—	—	9	68
—	—	—	13	—	—	—	—	13
4	—	—	106	—	—	—	2	112
—	—	—	—	100	—	7	1	112
4	3	—	2	—	—	—	—	5
—	—	—	1	—	—	—	—	1
—	—	—	—	1	9	1	—	11
3	2	—	89	—	—	—	1	95
2	—	—	251	—	—	—	5	258
91	78	8	1,020	—	—	—	9	1,206
1	—	1	—	—	—	—	—	2
56	8	—	72	—	—	—	—	136
12	—	—	—	—	—	17	2	31
4	7	—	24	—	—	—	1	36
1	—	—	7	—	—	5	1	14
6	—	—	—	—	—	118	4	128
1	—	—	—	—	—	34	3	38
3	7	—	19	—	—	—	—	29
38	—	—	—	—	—	15	—	53
—	19	—	—	54	—	3	—	76
—	—	—	—	—	—	—	—	—
2	1	—	56	—	—	—	—	59
—	—	—	103	—	—	—	—	103
—	—	—	—	—	—	—	—	—
10	8	7	87	—	—	—	15	127
—	—	—	—	—	—	—	—	—
58	—	1	34	—	—	4	—	97
18	7	—	126	—	—	—	—	151
—	—	—	—	—	—	—	—	—
183	90	135	56	—	—	—	47	511
15	—	42	7	—	—	1	7	72
—	—	—	5	—	—	—	1	6
—	—	—	—	—	—	14	—	14
94	—	2	1	—	—	—	—	97
1	—	—	—	—	—	—	—	1
4	—	—	26	—	—	—	—	30
17	20	—	296	—	—	—	—	333
56	—	25	—	3	—	20	34	138

Forest	Area planted (Acres)					
	Afforested		Re-afforested		Total	
	Coni- fers	Broad- leaved	Coni- fers	Broad- leaved	Coni- fers	Broad- leaved
Rheola, Glamorgan ...	—	—	15	—	15	—
Ringwood, Dorset and Hants	—	—	131	—	131	—
Rockingham, Northants ...	2	7	—	53	2	60
Rosedale, Yorks ...	16	—	47	—	63	—
Rothbury, Northumberland ...	—	—	37	—	37	—
St. Gwynno, Glamorgan ...	—	—	—	—	—	—
*Salcey, Bucks and Northants...	—	—	—	22	—	22
Savernake, Wilts ...	—	—	3	6	3	6
Scardale, Yorks ...	12	12	—	—	12	12
Selby, Yorks ...	—	—	7	4	7	4
Sherwood, Notts ...	—	—	72	11	72	11
Shouldham, Norfolk ...	—	—	—	—	—	—
Slaley, Northumberland ...	—	—	—	—	—	—
Swaffham, Norfolk ...	—	—	—	—	—	—
Swanton, Norfolk ...	2	1	17	1	19	2
Tair Onen, Glamorgan ...	—	—	6	—	6	—
Tareng, Card and Montgomery	—	—	—	—	—	—
Theiford, Norfolk and Suffolk	—	—	70	5	70	5
Thornthwaite, Cumberland ...	—	—	—	—	—	—
Tidenham Chase, Glos. ...	—	—	—	10	—	10
*Tintern, Monmouth ...	—	—	—	8	—	8
Usk, Brecknock ...	64	—	—	—	64	—
Vinehall, Sussex ...	—	—	10	—	10	—
Walcot, Salop ...	—	—	30	—	30	—
Wareham, Dorset ...	—	—	13	—	13	—
Warke, Northumberland ...	5	—	346	—	351	—
Wendover, Bucks ...	—	—	—	—	—	—
Wentwood, Monmouth ...	—	—	2	2	2	2
Westbury, Hants ...	—	—	—	—	—	—
West Woods, Wilts ...	—	—	—	—	—	—
Wigsley, Lincoln and Notts ...	—	—	—	—	—	—
Willingham, Lincoln ...	—	—	—	—	—	—
Wilsey Down, Cornwall ...	—	—	—	—	—	—
*Woolmer, Hants ...	—	—	—	—	—	—
Wyre, Worcester ...	—	—	1	8	1	8
Yardley Chase, Bedford ...	—	—	—	—	—	—
Total ...	1,304	60	2,044	383	3,348	443

\* Former Crown Woods.



—continued

## Species planted, including beating-up (thousands)

Scots and Corsican Pine	Eur. and Jap. Larches	Douglas Fir	Norway and Sitka Spruces	Oak	Ash	Beech	Other	Total
8	3	—	50	—	—	—	1	62
331	10	1	5	—	—	1	13	361
40	—	—	26	160	—	26	2	254
48	10	—	122	—	—	—	—	180
2	32	19	87	—	—	—	2	142
25	1	—	29	—	—	—	—	55
—	—	—	29	113	—	1	4	147
36	12	6	—	6	—	16	—	76
35	10	—	1	—	—	60	—	106
20	11	—	6	14	—	—	—	51
152	—	—	—	—	—	7	23	182
18	—	—	—	—	—	—	—	18
24	3	—	35	—	—	—	—	62
6	—	—	—	—	—	—	—	6
45	—	1	—	1	—	1	4	52
—	—	1	—	—	—	5	2	8
—	—	—	24	—	—	—	—	24
375	—	24	—	25	—	65	21	510
—	8	—	50	—	—	—	1	59
—	—	—	—	—	4	5	1	10
24	40	7	18	21	—	11	7	128
6	1	—	117	—	—	—	8	132
44	18	—	4	—	—	10	—	76
—	6	1	35	—	—	6	—	48
104	—	4	—	—	—	—	3	111
—	27	—	672	—	—	—	—	699
—	—	—	—	—	—	20	1	21
—	40	—	—	—	—	1	1	42
—	—	—	—	—	—	—	—	—
58	—	—	—	—	—	27	—	85
—	—	5	—	—	—	—	—	5
21	—	—	—	9	—	—	1	31
2	—	—	21	—	—	—	—	23
—	—	—	—	—	—	—	—	—
2	1	—	—	—	—	16	—	19
5	—	—	19	88	—	—	1	113
3,730	1,227	376	6,216	1,138	53	1,247	504	14,491

## PLANTATIONS—YEAR ENDED 30TH

Forest	Area planted (Acres)					
	Afforested		Re-afforested		Total	
	Coni- fers	Broad- leaved	Coni- fers	Broad- leaved	Coni- fers	Broad- leaved
Achaglachach, Argyll ... ..	—	—	—	—	—	—
Achnashellach, Ross ... ..	—	—	—	—	—	—
Ae, Dumfries ... ..	—	—	—	—	—	—
Alltcaileach, Aberdeen ... ..	11	—	57	—	68	—
Ardgartan, Argyll ... ..	33	—	—	—	33	—
Ardross, Ross ... ..	—	—	—	—	—	—
Asknish, Argyll ... ..	—	—	—	—	—	—
Assich, Nairn ... ..	—	—	—	—	—	—
Auchenroddan, Dumfries ... ..	—	—	—	—	—	—
Balblair, Sutherland ... ..	—	—	—	—	—	—
Barcaldine, Argyll ... ..	—	—	—	—	—	—
Benmore, Argyll ... ..	25	—	—	—	25	—
Benmore Island, Argyll ... ..	—	—	—	—	—	—
Bin, The, Aberdeen ... ..	16	—	80	—	96	—
Blackcraig, Perth ... ..	—	—	12	—	12	—
Blackhall, Kincardine ... ..	10	—	11	—	21	—
Blairadam, Kinross and Fife ... ..	5	—	—	—	5	—
Borgie, Sutherland ... ..	—	—	43	—	43	—
Cairn Edward (Clatteringshaw), Kirkcudbright ... ..	46	—	—	—	46	—
Cairn Edward (Bennan), Kirkcudbright, ... ..	—	—	—	—	—	—
Carden, Fife ... ..	—	—	1	—	1	—
Carradale, Argyll ... ..	20	3	—	—	20	3
Carron Valley, Stirling ... ..	45	—	—	—	45	—
Castle O'er, Dumfries ... ..	226	1	—	—	226	1
Change, Ayr ... ..	6	—	—	—	6	—
Clashindarroch, Aberdeen ... ..	21	—	22	—	43	—
Clunes, Inverness ... ..	—	—	—	—	—	—
Corriedoo, Kirkcudbright ... ..	25	—	—	—	25	—
Craig nan Eun, Inverness ... ..	—	—	—	—	—	—
Craig Phadrig, Inverness ... ..	—	—	—	—	—	—
Craig Vinean, Perth ... ..	—	—	80	—	80	—
Culbin, Moray and Nairn ... ..	—	—	—	—	—	—
Culloden, Inverness ... ..	—	—	6	—	6	—
Dalbeattie, Kirkcudbright ... ..	—	—	22	—	22	—
Deer, Aberdeen ... ..	—	—	35	—	35	—
Devilla, Fife ... ..	—	—	—	—	—	—
Dornoch, Sutherland ... ..	—	—	—	—	—	—
Drummond Hill, Perth ... ..	24	—	—	—	24	—
Drumtochty, Kincardine ... ..	—	—	28	—	28	—
Dundeugh, Kirkcudbright ... ..	30	—	—	—	30	—
Durris, Kincardine ... ..	7	—	74	—	81	—
Edensmuir, Fife ... ..	27	1	—	—	27	1
Edensmuir (Pitmedden), Fife ... ..	37	—	—	—	37	—
Edgarhope (Lauder), Berwick ... ..	—	—	—	—	—	—
Edgarhope (other), Berwick ... ..	—	—	21	—	21	—
Eilanreach, Inverness ... ..	—	—	—	—	—	—
Fearnoch, Argyll ... ..	20	—	—	—	20	—
Fetteresso, Aberdeen ... ..	—	—	—	—	—	—
Findon, Ross-shire ... ..	—	—	—	—	—	—
Fiunary, Argyll ... ..	—	—	36	—	36	—
Fleet, Kirkcudbright ... ..	—	—	—	—	—	—

—continued

SEPTEMBER, 1945—SCOTLAND

## Species planted, including beating-up (thousands)

Scots and Corsican Pine	Eur. and Jap. Larches	Douglas Fir	Norway and Sitka Spruces	Oak	Ash	Beech	Other	Total
—	13	—	4	—	—	6	11	34
5	6	—	6	—	—	—	1	18
—	—	—	—	—	—	—	—	—
77	19	—	17	—	—	—	10	123
8	—	—	110	—	—	—	—	118
5	14	—	15	—	—	—	—	34
22	26	—	51	—	—	—	—	99
28	11	—	11	—	—	—	—	50
—	—	—	8	—	—	—	—	8
4	—	—	—	—	—	—	—	4
—	—	—	—	—	—	—	—	—
—	—	—	60	—	—	—	8	68
—	1	—	12	—	—	—	2	15
27	2	—	136	—	—	—	—	165
1	1	6	28	—	—	—	6	42
9	8	—	36	—	—	—	—	53
7	—	—	29	—	—	2	2	40
—	—	—	110	—	—	—	11	121
4	—	—	90	—	—	—	—	94
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
23	—	—	4	—	—	2	—	29
12	2	—	67	—	—	9	4	94
5	1	—	84	—	—	—	—	90
27	56	—	288	—	—	—	28	399
3	—	—	28	—	—	—	—	31
28	—	1	137	—	—	—	1	167
—	1	—	3	—	—	—	1	5
—	—	—	68	—	—	—	—	68
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
32	—	—	104	—	—	—	13	149
114	—	—	2	—	—	1	—	117
—	—	22	1	—	—	—	—	23
—	14	—	32	—	—	—	14	60
10	1	—	59	—	—	—	5	75
—	—	—	—	—	—	—	—	—
6	11	12	4	—	—	—	3	36
—	2	—	45	4	—	—	—	51
10	48	—	9	—	—	—	12	79
—	3	—	59	—	—	—	1	63
61	45	1	103	—	—	—	8	218
69	1	—	—	—	—	2	—	72
27	13	—	51	—	—	—	—	91
—	—	—	5	—	—	—	1	6
22	—	—	83	—	10	—	1	116
—	—	—	1	—	—	—	2	3
4	—	—	39	—	—	—	5	48
—	—	—	32	—	—	—	—	32
2	1	—	—	—	—	—	1	4
—	12	—	76	—	—	—	1	89
7	17	—	33	—	4	20	—	81

Forest	Area planted (Acres)					
	Afforested		Re-afforested		Total	
	Coni- fers	Broad- leaved	Coni- fers	Broad- leaved	Coni- fers	Broad- leaved
Garadhbhan, Stirling ... ..	—	—	—	—	—	—
Garcrogo, Kirkcudbright ... ..	18	—	—	—	18	—
Glenbranter, Argyll ... ..	—	—	—	—	—	—
Glenbrittle, Inverness ... ..	20	—	—	—	20	—
Glendevon, Perth ... ..	20	—	—	—	20	—
Glenduror, Argyll ... ..	—	—	—	—	—	—
Glenfinart, Argyll ... ..	—	—	—	—	—	—
Glengarry, Inverness ... ..	—	—	—	—	—	—
Glenhurich, Argyll ... ..	6	—	—	—	6	—
Glenloy, Inverness ... ..	—	—	—	—	—	—
Glenrigh, Inverness ... ..	—	—	—	—	—	—
Glenshiel, Ross ... ..	—	—	—	—	—	—
Glentress, Peebles ... ..	—	—	—	—	—	—
Glentrool, Kirkcudbright ... ..	5	—	—	—	5	—
Glenurquhart, Inverness ... ..	—	—	—	—	—	—
Greskine, Dumfries ... ..	—	—	—	—	—	—
Guisachan, Inverness ... ..	7	—	—	—	7	—
Inchnacardoch, Inverness ... ..	—	—	—	—	—	—
Inglismaldie, Kincardine ... ..	—	—	—	—	—	—
Inshriach, Inverness ... ..	7	—	30	—	37	—
Inverinan, Argyll ... ..	—	—	48	I	48	I
Inverinate, Ross ... ..	—	—	—	—	—	—
Inverliever, Argyll ... ..	—	—	—	—	—	—
Inverliever, Eredine, Argyll ... ..	—	—	—	—	—	—
Keillour, Perth ... ..	—	—	12	—	12	—
Kessock, Ross ... ..	—	—	—	—	—	—
Kemnay, Aberdeen ... ..	—	—	—	—	—	—
Kilcoy, Ross ... ..	—	—	—	—	—	—
Kilsture, Wigtown ... ..	—	—	—	—	—	—
Kinfauns, Perth ... ..	—	—	—	—	—	—
Kirkhill, Aberdeen ... ..	—	—	36	—	36	—
Kirroughtree, Kirkcudbright ... ..	—	—	—	—	—	—
Knapdale, Argyll ... ..	108	I	—	—	108	I
Lael, Ross-shire ... ..	—	—	—	—	—	—
Laurieston, Kirkcudbright ... ..	16	—	—	—	16	—
Lennox, Stirling ... ..	—	—	11	—	11	—
Leanachan, Inverness ... ..	—	—	8	—	8	—
Loch Ard, Perthshire ... ..	48	I	—	—	48	I
Loch Ard, Achray, Perthshire ... ..	85	—	—	—	85	—
Longart, Ross ... ..	—	—	—	—	—	—
Lossie, Moray ... ..	39	—	—	—	39	—
Midmar, Aberdeen ... ..	—	—	—	—	—	—
Milbuie, Ross ... ..	—	—	215	—	215	—
Minard, Argyll ... ..	201	—	—	—	201	—
Montreathmont, Angus ... ..	—	—	45	—	45	—
Morangie, Ross ... ..	—	—	—	—	—	—
Nevis, Inverness ... ..	—	—	—	—	—	—
Newcastleton, Roxburgh ... ..	I	—	—	—	I	—
Newtyle, Moray ... ..	—	—	40	—	40	—
North Strome, Ross ... ..	—	—	—	—	—	—
Ordiequish, Moray ... ..	—	—	—	—	—	—
Port Clair, Inverness ... ..	—	—	—	—	—	—
Queen's Forest, The, Inverness ... ..	—	—	—	—	—	—
Ratagan, Ross and Inverness ... ..	—	—	—	—	—	—
Rosarie, Banff ... ..	22	—	30	—	52	—
Roseisle, Moray ... ..	—	—	10	—	10	—

—continued

## Species planted, including beating-up (thousands)

Scots and Corsican Pine	Eur. and Jap. Larches	Douglas Fir	Norway and Sitka Spruces	Oak	Ash	Beech	Other	Total
1	4	1	10	—	—	—	—	16
6	9	—	36	—	—	—	—	51
2	1	—	12	—	—	—	1	16
—	4	—	45	—	—	—	8	57
—	—	—	55	—	—	—	—	55
—	—	—	5	—	—	—	1	6
2	—	—	7	—	—	—	3	12
9	—	—	20	—	—	—	—	29
4	—	—	18	—	—	—	—	22
4	—	—	33	—	—	—	2	39
2	1	—	28	—	—	—	4	35
—	—	—	—	—	—	—	—	—
11	2	—	12	—	—	—	4	29
1	—	—	4	—	—	—	—	5
—	—	—	10	—	—	—	—	10
—	1	—	—	—	—	—	—	1
13	10	—	7	—	—	—	—	30
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
—	—	—	70	—	—	—	—	70
7	—	1	1	—	—	—	—	9
5	1	—	2	—	—	1	—	9
—	—	—	—	—	—	—	—	—
—	18	—	—	—	—	—	—	18
3	10	—	—	—	—	—	—	13
7	16	3	37	—	—	—	1	64
—	—	—	—	—	—	—	—	—
—	3	—	157	—	—	2	26	188
—	—	—	8	—	—	—	—	8
7	—	—	21	—	—	—	—	28
—	—	—	15	—	—	—	—	15
—	—	—	29	—	—	—	—	29
5	22	18	108	—	—	2	14	169
6	9	—	146	—	—	—	25	186
3	—	—	15	—	—	—	3	21
129	—	—	3	—	—	—	2	134
—	—	—	—	—	—	—	—	—
364	84	13	14	—	—	—	13	488
5	50	—	350	—	—	—	—	405
61	5	—	46	—	—	1	4	117
—	—	—	—	—	—	—	—	—
—	1	—	6	—	—	—	8	15
—	4	—	32	—	—	—	1	37
85	1	—	6	—	—	—	7	99
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
—	—	—	1	—	—	—	—	1
—	—	—	—	—	—	—	13	13
—	—	—	—	—	—	—	—	—
46	3	—	47	—	—	—	—	96
51	—	—	1	—	—	—	8	60

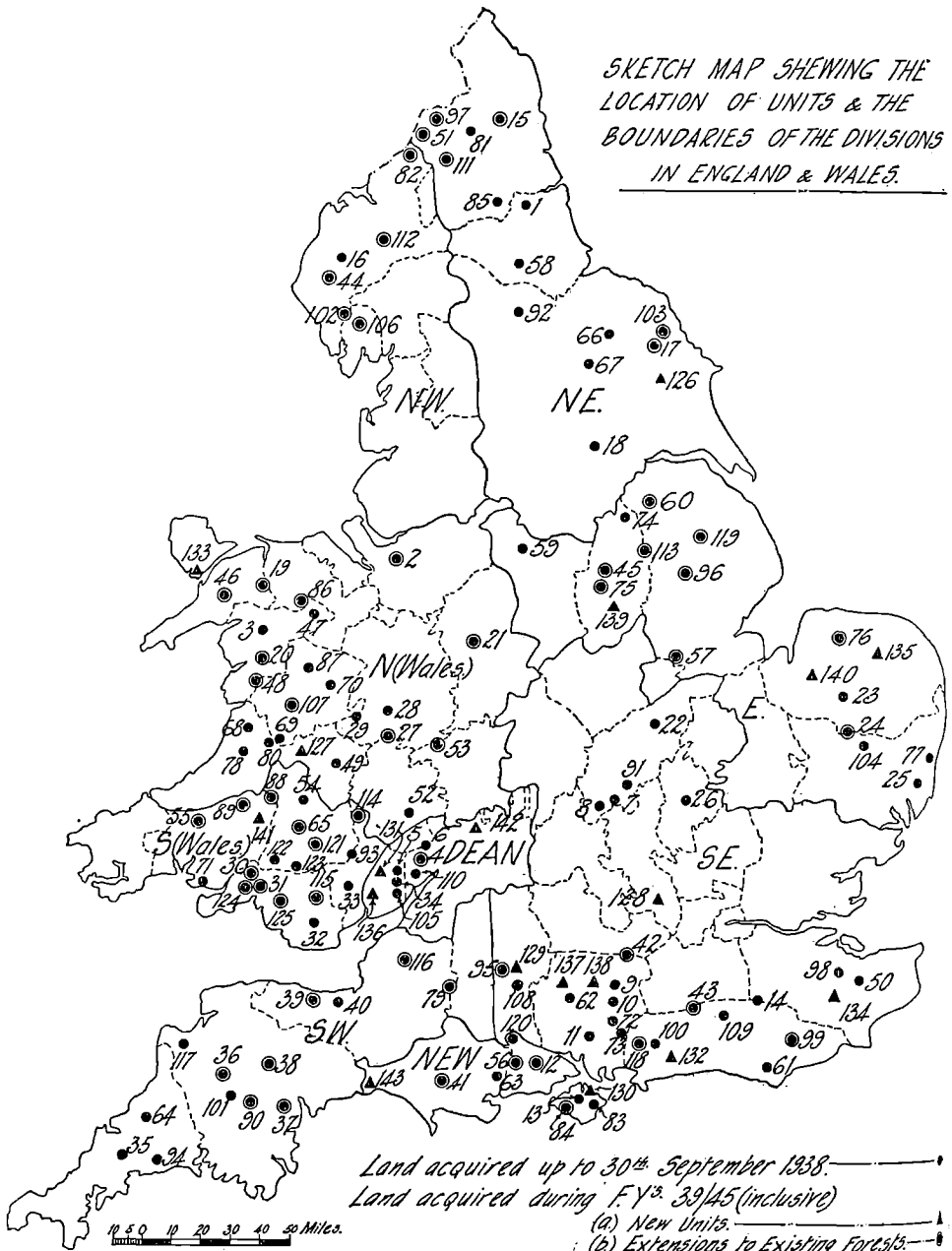
Forest	Area planted (Acres)					
	Afforested		Re-afforested		Total	
	Conifers	Broad-leaved	Conifers	Broad-leaved	Conifers	Broad-leaved
Saddell, Argyll ... ..	—	—	—	—	—	—
Salen, Argyll ... ..	—	—	—	—	—	—
Scotmore, Moray ... ..	12	—	15	—	27	—
Slattadale, Ross ... ..	—	—	—	—	—	—
South Laggan, Inverness ... ..	—	—	—	—	—	—
South Strome, Ross ... ..	—	—	—	—	—	—
Strathord, Perth ... ..	48	2	—	—	48	2
Strathyre, Perth ... ..	164	2	—	—	164	2
Strathyre (Tulloch), Perth ... ..	3	—	—	—	3	—
Tentsmuir, Fife ... ..	4	—	5	—	9	—
Teindland, Moray ... ..	—	—	—	—	—	—
Tilliefour, Aberdeen ... ..	61	—	—	—	61	—
Tinnisburn, Dumfries and Rox- burgh ... ..	53	—	—	—	53	—
Twiglees, Dumfries ... ..	46	—	—	—	46	—
Wauchope, Roxburgh ... ..	4	—	24	—	28	—
Whitehaugh, Aberdeen ... ..	18	—	—	—	18	—
Total ... ..	1,650	11	1,057	1	2,707	12

—continued

## Species planted, including beating-up (thousands)

Scots and Corsican Pine	Eur. and Jap. Larches	Douglas Fir	Norway and Sitka Spruces	Oak	Ash	Beech	Other	Total
—	—	—	9	—	—	1	—	10
—	—	—	53	—	—	—	5	58
25	—	—	31	—	—	—	—	56
—	2	—	—	—	—	—	2	4
1	—	—	5	—	—	—	—	6
—	—	—	—	—	—	—	—	—
115	1	—	—	—	—	3	—	119
8	7	10	234	—	—	4	3	266
—	—	—	17	—	—	—	—	17
98	—	—	—	—	—	—	—	98
—	—	—	—	—	—	—	—	—
39	3	—	76	—	—	—	2	120
—	7	—	117	—	—	—	—	124
—	—	—	96	—	—	—	7	103
9	13	—	45	—	—	—	4	71
21	—	—	42	—	—	—	—	63
1,929	640	96	4,369	4	14	56	351	7,459

SKETCH MAP SHEWING THE  
LOCATION OF UNITS & THE  
BOUNDARIES OF THE DIVISIONS  
IN ENGLAND & WALES.





## Appendix II

## FORESTRY COMMISSION UNITS

## ENGLAND AND WALES

- |  |  |
|--|--|
| 1. Chopwell, Durham.*                                  | 58. Hamsterley, Durham.                          |
| 2. Delamere, Cheshire.*                                | 59. Hope, Derby.                                 |
| 3. Hafod Fawr, Merioneth.*                             | 60. Laughton, Lincoln.                           |
| 4. Dean Forest, Gloucester, Hereford<br>and Monmouth.* | 61. Friston, Sussex.                             |
| 5. Tintern, Monmouth.*                                 | 62. Micheldever, Hants.                          |
| 6. Dymock, Gloucester and Hereford.*                   | 63. Ferndown, Dorset.                            |
| 7. Salcey, Bucks and Northampton.*                     | 64. Wilsey Down, Cornwall.                       |
| 8. Hazelborough, Bucks and North-<br>ampton.*          | 65. Glasfynydd, Brecknock.                       |
| 9. Alice Holt, Hants.*                                 | 66. Rosedale, Yorks.                             |
| 10. Woolmer, Hants.*                                   | 67. Ampleforth, Yorks.                           |
| 11. Bere, Hants.*                                      | 68. Cwmeinion, Cardigan.                         |
| 12. New Forest, Hants.*                                | 69. Tarenig, Cardigan and Montgomery             |
| 13. Parkhurst, Isle of Wight.*                         | 70. Mathrafal, Montgomery.                       |
| 14. Bedgebury, Kent and Sussex.*                       | 71. Pembrey, Carmarthen.                         |
| 15. Rothbury, Northumberland.                          | 72. Westbury, Hants.                             |
| 16. Thornthwaite, Cumberland.                          | 73. Buriton, Hants and Sussex.                   |
| 17. Allerston, Yorks.                                  | 74. Bawtry, Nottingham.                          |
| 18. Selby, Yorks.                                      | 75. Sherwood, Nottingham.                        |
| 19. Gwydyr, Caernarvon and Denbigh.                    | 76. Swanton, Norfolk.                            |
| 20. Coed y Brenin, Merioneth.                          | 77. Dunwich, Suffolk.                            |
| 21. Cannock Chase, Stafford.                           | 78. Brynmawr, Cardigan.                          |
| 22. Rockingham, Northampton.                           | 79. Bruton, Somerset and Wilts.                  |
| 23. Swaffham, Norfolk.                                 | 80. Myherin, Cardigan.                           |
| 24. Thetford Chase, Norfolk and<br>Suffolk.            | 81. Harwood, Northumberland.                     |
| 25. Rendlesham, Suffolk.                               | 82. Kershope, Cumberland.                        |
| 26. Ampthill, Bedford.                                 | 83. Combley, Isle of Wight.                      |
| 27. Mortimer, Hereford, Radnor and<br>Salop.           | 84. Brighstone, Isle of Wight.                   |
| 28. Walcot, Salop.                                     | 85. Slaley, Northumberland.                      |
| 29. Kerry, Montgomery and Salop.                       | 86. Clocaenog, Denbigh and Merioneth.            |
| 30. Rheola, Glamorgan.                                 | 87. Dyfnant, Montgomery.                         |
| 31. Margam, Glamorgan.                                 | 88. Crychan, Brecknock and Car-<br>marthen.      |
| 32. Llantrisant, Glamorgan.                            | 89. Caio, Carmarthen.                            |
| 33. Llanover, Monmouth.                                | 90. Dartmoor, Devon.                             |
| 34. Chepstow, Monmouth.                                | 91. Yardley Chase, Bedford and North-<br>ampton. |
| 35. Bodmin, Cornwall.                                  | 92. Arkengarthdale, Yorks.                       |
| 36. Halwill, Devon.                                    | 93. Mynydd Ddu, Brecknock and Mon-<br>mouth.     |
| 37. Haldon, Devon.                                     | 94. Herodsfoot, Cornwall.                        |
| 38. Eggesford, Devon.                                  | 95. West Woods, Wilts.                           |
| 39. Brendon, Somerset.                                 | 96. Bardney, Lincoln.                            |
| 40. Quantocks, Somerset.                               | 97. Redesdale, Northumberland.                   |
| 41. Wareham, Dorset.                                   | 98. Challock, Kent.                              |
| 42. Bramshill, Berks and Hants.                        | 99. Vinehall, Sussex.                            |
| 43. Chiddingfold, Surrey and Sussex.                   | 100. Goodwood, Sussex.                           |
| 44. Ennerdale, Cumberland.                             | 101. Lydford, Devon.                             |
| 45. Clipstone, Derby and Nottingham.                   | 102. Hardknott, Cumberland.                      |
| 46. Beddgelert, Caernarvon.                            | 103. Langdale, Yorks.                            |
| 47. Cynwyd, Merioneth.                                 | 104. The King's Forest, Suffolk.                 |
| 48. Dovey, Merioneth and Montgomery.                   | 105. Itton, Monmouth.                            |
| 49. Radnor, Radnor.                                    | 106. Grizedale, Lancashire.                      |
| 50. Lyminge, Kent.                                     | 107. Hafren, Montgomery.                         |
| 51. Kielder, Northumberland.                           | 108. Collingbourne, Wilts.                       |
| 52. Haugh, Hereford.                                   | 109. Gravetye, Sussex.                           |
| 53. Wyre, Worcester.                                   | 110. Tidenham Chase, Gloucester.†                |
| 54. Brecon, Brecknock.                                 | 111. Warke, Northumberland.                      |
| 55. Brechfa, Carmarthen.                               | 112. Greystoke, Cumberland.                      |
| 56. Ringwood, Dorset and Hants.                        | 113. Wigsley, Lincoln and Nottingham.            |
| 57. Bourne, Lincoln and Rutland.                       | 114. Hay, Hereford.                              |
|  | 115. St. Gwynno, Glamorgan.                      |

\* Former Crown Woods

† Previously known as Sedbury

116. Mendip, Somerset.
117. Hartland, Devon.
118. Marden, Sussex.
119. Willingham, Lincoln.
120. Gardiner, Wilts.
121. Usk, Brecknock.
122. Giedd, Brecknock.
123. Coed y Rhaiadr, Brecknock.
124. Michaelston, Glamorgan.
125. Cwmogwr, Glamorgan.
126. Scardale, Yorks.
127. Coed Sarnau, Rads.
128. Wendover, Bucks.
129. Savernake, Wilts.
130. Osborne, Isle of Wight.
131. Monmouth, Mon.
132. Arundel, Sussex.
133. Newborough, Anglesey.
134. Orlestone, Kent.
135. Hevingham, Norfolk.
136. Wentwood, Mon.
137. Andover, Hants.
138. Alton, Hants.
139. Cotgrave, Notts.
140. Shouldham, Norfolk.
141. Cilgwyn, Carmarthen.
142. Stanway, Gloucester.
143. Charmouth, Dorset.



## FORESTRY COMMISSION UNITS

## SCOTLAND

- |                                    |                                      |
|------------------------------------|--------------------------------------|
| 1. Inverliever, Argyll.*           | 67. Achaglachgach, Argyll.           |
| 2. Borgie, Sutherland.             | 68. Strathyre, Perth.                |
| 3. Slaitadale, Ross.               | 69. Knapdale, Argyll.                |
| 4. Achnashellach, Ross.            | 70. Fiunary, Argyll.                 |
| 5. Ratagan, Inverness and Ross.    | 71. Carden, Fife.                    |
| 6. Inchnacardoch, Inverness.       | 72. Glenloy, Inverness.              |
| 7. South Laggan, Inverness.        | 73. Aucherroddan, Dumfries.          |
| 8. Port Clair, Inverness.          | 74. Kirroughtree, Kirkcudbright.     |
| 9. Culbin, Moray and Nairn.        | 75. Newtyle, Moray.                  |
| 10. Monaughty, Moray.              | 76. Durris, Kincardine.              |
| 11. Kirkhill, Aberdeen.            | 77. Longart, Ross.                   |
| 12. Montreathmont, Angus.          | 78. Garadhban, Stirling.             |
| 13. Glen Righ, Inverness.          | 79. Inverinan, Argyll.               |
| 14. Glenduror, Argyll.             | 80. Glenbrittle, Isle of Skye.       |
| 15. Glenbranter, Argyll.           | 81. Alltcaillach, Aberdeen.          |
| 16. Tentsmuir, Fife.               | 82. Fleet, Kirkcudbright.            |
| 17. Edensmuir, Fife.               | 83. Kinfauns, Perth.                 |
| 18. Glentress, Peebles.            | 84. Kilsture, Wigtown.               |
| 19. Cairn Edward, Kirkcudbright.   | 85. Whitehaugh, Aberdeen.            |
| 20. Dalbeattie, Kirkcudbright.     | 86. Guisachan, Inverness.            |
| 21. Newcastleton, Roxburgh.        | 87. Change, Ayr.                     |
| 22. Teindland, Moray.              | 88. Asknish, Argyll.                 |
| 23. Glenurquhart, Inverness.       | 89. Dundeugh, Kirkcudbright.         |
| 24. Glenhurich, Argyll.            | 90. Carron Valley, Stirling.         |
| 25. Drummond Hill, Perth.          | 91. Tinnisburn, Roxburgh and Dum-    |
| 26. The Queen's Forest, Inverness. | fries.                               |
| 27. Culloden, Inverness.           | 92. Glen Devon, Perth.               |
| 28. Nevis, Inverness.              | 93. Ardross, Ross.                   |
| 29. Craig nan Eun, Inverness.      | 94. Lossie, Moray.                   |
| 30. Ardgartan, Argyll.             | 95. Millbuie, Ross.                  |
| 31. Barcaldine, Argyll.            | 96. Inshriach, Inverness.            |
| 32. Benmore, Argyll.               | 97. Craig Vinean, Perth.             |
| 33. The Bin, Aberdeen.             | 98. Tilliefoure, Aberdeen.           |
| 34. Craig Phadrig, Inverness.      | 99. Corriedoo, Kirkcudbright.        |
| 35. Ordiequish, Moray.             | 100. Keillour, Perth.                |
| 36. Salen, Argyll.                 | 101. Minard, Argyll.                 |
| 37. North Strome, Ross.            | 102. Garcrogo, Kirkcudbright.        |
| 38. South Strome, Ross.            | 103. Carradale, Argyll.              |
| 39. Glenshiel, Ross.               | 104. Twiglees, Dumfries.             |
| 40. Glenfinart, Argyll.            | 105. Laurieston, Kirkcudbright.      |
| 41. Findon, Ross.                  | 106. Saddell, Argyll.                |
| 42. Kessock, Ross.                 | 107. Assich, Nairn.                  |
| 43. Drumtochty, Kincardine.        | 108. Castle O'er, Dumfries.          |
| 44. Midmar, Aberdeen.              | 109. Wauchope, Roxburgh.             |
| 45. Kemnay, Aberdeen.              | 110. Kilmichael, Argyll.             |
| 46. Glengarry, Inverness.          | 111. Glentool, Kirkcudbright.        |
| 47. Blairadam, Fife and Kinross.   | 112. Morangie, Ross.                 |
| 48. Deer, Aberdeen.                | 113. Blackhall, Kincardine.          |
| 49. Forest of Ae, Dumfries.        | 114. Rosarie, Banff.                 |
| 50. Eilanreach, Inverness.         | 115. Kilcoy, Ross.                   |
| 51. Greskine, Dumfries.            | 116. Clauchrie, Dumfries.            |
| 52. Edgarhope, Berwick.            | 117. Shielswood, Selkirk.            |
| 53. Fearnoch, Argyll.              | 118. Leanachan, Inverness.†          |
| 54. Dornoch, Sutherland.           | 119. Pitfichie, Aberdeen.            |
| 55. Inverinate, Ross.              | 120. Strathord, Perth.               |
| 56. Lennox Castle, Stirling.       | 121. Mabie, Kirkcudbright.           |
| 57. Loch Ard, Perth.               | 122. Fetteresso, Kincardine.         |
| 58. Scootmore, Moray.              | 123. Strathnairn, Inverness.         |
| 59. Clunes, Inverness.             | 124. Allean, Perth.                  |
| 60. Devilla, Fife.                 | 125. Ferness, Nairn.                 |
| 61. Balblair, Sutherland.          | 126. Glogap, Kirkcudbright.          |
| 62. Lael, Ross.                    | 127. Strathconon, Ross and Cromarty. |
| 63. Clashindarroch, Aberdeen.      | 128. Strathdearn, Inverness.         |
| 64. Roseisle, Moray.               | 129. Speymouth, Moray.               |
| 65. Inglismaldie, Kincardine.      | 130. Carrick, Ayr.                   |
| 66. Blackcraig, Perth.             | 131. Elibank, Peebles.               |

\* Former Crown Woods

† Formerly part of Nevis