

FORESTRY COMMISSION

Forty-Fourth
Annual Report of the
Forestry Commissioners
for the year ended
30th September 1963

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

*Ordered by The House of Commons to be printed
25th March 1964*

LONDON

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SEVEN SHILLINGS NET



THE FORESTRY COMMISSIONERS

at 30th September, 1963

The Earl Waldegrave, *Chairman*.

Major D. C. Bowser, O.B.E., J.P.

Lt.-Col. Sir Richard Cotterell, Bt., J.P.

Mr. E. Gwynfryn Davies, J.P.

Capt. J. Maxwell Macdonald.

Mr. G. E. H. Palmer.

Mr. F. Sellers.

Major Sir William Strang Steel, Bt.

Mr. T. Taylor.

Col. J. F. Williams-Wynne, D.S.O., J.P.

Director General: Sir Henry Beresford-Peirse, Bt., C.B., F.R.S.E.

Deputy Director General: Mr. G. B. Ryle, C.B.E.

Secretary: Mr. H. A. Turner.

Director of Forestry for England: Mr. J. R. Thom.

Director of Forestry for Scotland: Mr. J. A. Dickson.

Director of Forestry for Wales: Mr. J. Q. Williamson, M.B.E.

Director (Research): Mr. A. Watt, C.B.E.

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ACKNOWLEDGMENTS

Thanks are due to the Forest Tree Seed Association of England and Wales for permission to use Plate 6. All the other illustrations are drawn from the Commission's own collection.

FORTY-FOURTH ANNUAL REPORT
OF THE
FORESTRY COMMISSIONERS
FOR THE YEAR ENDED
30th SEPTEMBER, 1963

FORESTRY COMMISSION
25, SAVILE ROW,
LONDON, W.1.

1st January, 1964

To:

THE MINISTER OF AGRICULTURE, FISHERIES AND FOOD

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 44th Annual Report of the Forestry Commissioners which covers the Forest Year ended 30th September, 1963.

I am, Gentlemen,

Your obedient Servant,

(Sgd.) WALDEGRAVE,

Chairman.

RETIREMENT OF THE EARL OF RADNOR

1. The Earl of Radnor, K.G., K.C.V.O., who had been a Commissioner since 1942 and Chairman of the English National Committee from 1945 to 1952, when he was appointed Chairman of the Commission, retired on 31st July, 1963. The Earl Waldegrave was appointed Chairman in his place on 1st August, 1963.

2. The twenty years during which Lord Radnor was a Forestry Commissioner was a period of great change and development of forest policy. The two *Reports on Post-War Forest Policy* (Cmd. 6447 and Cmd. 6500) appeared in 1943, the year after Lord Radnor became a Commissioner. It was in Cmd. 6447 that the proposals for the Dedication of private woodlands were first put forward and Lord Radnor had taken a leading part in the discussions which led up to them. That the changes necessary during the transition from war to peace were accomplished smoothly and efficiently was due in large measure to Lord Radnor's influence as a Commissioner and Chairman of the English

National Committee. When he became Chairman of the Commission in 1952 one of his first endeavours was to secure and maintain the confidence of the private owners and the good relations that now exist between them and the Commission are due in no small degree to his personal efforts. Lord Radnor was also well aware that the emphasis both in private and state woodlands alike was rapidly changing from acquisition and planting to production and marketing, and under his Chairmanship preparations were well advanced for meeting the new problems which this change of emphasis inevitably brought about.

MR. JAMES MACDONALD

3. The Commission record with regret the death of Mr. James Macdonald on 28th April, 1963. He had been an officer of the Commission for close on forty years when he retired on 31st January, 1963. He had served as Director of Research and Education from 1948 to December, 1959 when he was appointed Deputy Director General. The present reputation of the Commission's Research Branch is due in large part to his wise direction, and his services to the cause of forest research were aptly recognised by his election in January, 1957 to the Presidency of the International Union of Forest Research Organisations.

COMMISSIONERS

4. During the year Mr. Lloyd O. Owen, who had been a Commissioner since 1945 and was the first Chairman of the Welsh National Committee, resigned his appointment as a Commissioner. Mr. E. Bryan Latham who had been a Commissioner since 1957, having been appointed in pursuance of Section 18 of the Forestry Act, 1951, in view of his special knowledge and experience of the timber trade, retired on completion of his term of office.

5. Mr. G. E. H. Palmer, Mr. F. Sellers and Col. J. F. Williams-Wynne were appointed Commissioners on 1st August, 1963.

GENERAL REVIEW

6. The most important event in the forest year was the Ministerial statement made in both Houses of Parliament on 24th July, 1963. The Minister of Agriculture said:—

* “ In his statement on the Government's forestry policy in July, 1958, my predecessor said that the size of subsequent Forestry Commission programmes, and the structure of grants to private woodland owners, would be reviewed in five years' time. This review has now been held, and the Government have reached the following conclusions on it.

Over the next decade, from 1964 to 1973, the Forestry Commission will aim at planting a further 450,000 acres. It will continue to concentrate on acquiring land in the upland areas, particularly in Scotland and Wales, where population is declining and where the expansion of forestry can bring considerable social and employment benefits.

* *Hansard* 24th July, 1963: Col. 1467-1472.

The Commission will be able to acquire land in other areas where there are good economic reasons or where planting can maintain or improve the beauty of the landscape. The planting programme for each year, and its distribution between the three countries, will be determined from time to time by the forestry Ministers.

The Commission, in preparing its future programmes, will bear in mind the need, wherever possible, to provide public access and recreation, and will devote more attention to increasing the beauty of the landscape.

We propose to make no change in the structure of the present grants to private woodland owners. Under our existing arrangements, the level of grants is examined every three years to take account of changes in costs and receipts. The latest of these reviews is in progress at the moment.

The Government welcome the increasing acreage of timber planted by private owners. The tradition of skill and knowledge which has been built up and the research which has been carried out in private forests has been of great benefit to the nation. The continuation of the grants to the private woodlands confirms the Government's confidence in private forestry and provides support for its continued place in our national forest policy.

Our policy of steady expansion in both public and private forestry means that a growing volume of home-produced timber will be coming on to the market, to the benefit of our balance of payments. As the volume increases, so it will become more clearly necessary for the Commission, the private interests and the trade to pay greater attention to the whole problem of the marketing and use of home-grown timber. Moreover, the steady expansion in home production will give the timber trade confidence to develop its plans for handling home-produced timber as it comes forward."

7. Special features of the statement are: first, that the Commission's planting programme has been determined for the whole ten-year period which began on 1st October, 1963, and unlike the programme in the statement of 1958, is not planned to fall off towards the end of the period; it is to be concentrated in the upland areas, particularly in Scotland and Wales; secondly, the Government has confirmed its confidence that private forestry, with the aid of the same structure of grants, will continue to play a full part in the development of forestry; thirdly, the Commission is clearly directed to give more attention to the beauty that well planned forestry can bring to the countryside, and to continue their policy of providing access and the opportunity for recreation; and fourthly, Ministers have recognised the benefit which an increased home production of wood will bring to the national balance of payments. The mounting supply of this essential raw material is an inducement for wood-based industries to expand and for new ones to be established, thus reducing the volume of imported finished or partly finished goods and the country's import bill.

8. In the light of the Ministerial statement the Forestry Commission propose to develop their policy along the following lines:—

ACQUISITION OF LAND

9. The achievement of the Commission's planting programme clearly depends on their being able to acquire suitable land in a steady flow, and efforts

to this end are being intensified in close collaboration, as in the past, with the Agricultural Departments. It is fortunate that the upland areas, where it is most desirable to reverse the trend of depopulation, contain large areas which are suitable for afforestation and the drive for acquisitions will be specially, but not solely, directed to these areas. Outside the upland areas acquisitions will be restricted mainly to land which will produce a good financial return in itself or improve the return from existing forests. The Commission is not restricted to any arbitrary limit of price and will negotiate for land up to the market value.

MARKETING

10. While in the past it has been the planting programme which has received most attention, the emphasis has changed over the past few years, and to market efficiently the growing volume of produce is now an equally pressing objective.

11. The increase in the production of home-grown softwoods, which will rise even more steeply from about 1967, has coincided with the fall in the use of timber in the mines. The importance of the mining timber market can be gauged from the fact that in recent years about one-third of Great Britain's total forest production has gone to the National Coal Board. The consumption of home timber by the mines is in fact tending to rise slightly at present, and it is to be hoped that this trend will continue, but in the long term it cannot be expected that the mines will absorb a large proportion of the increasing production.

12. In this situation it is essential to encourage the planned development of a diversity of wood-using industries based on home-grown timber to provide better and expanding markets for the whole of the country's potential production. This problem has been and will continue to be tackled in a number of ways: by removing the prejudice against home-grown timber which is largely a legacy of the war and the early post-war years when inevitably much indifferent material had to be used; by a constant effort by timber merchants and growers to improve standards of preparation and continuity of supply; by exploring, with the aid of the Forest Products Research Laboratory of the Department of Industrial and Scientific Research and the Timber Research and Development Association, new ways of preparing and using home-grown timber; by improving methods of marketing; and—perhaps most important of all—by making it possible for industrial interests to invest in new wood-using industries or the expansion of existing ones. Such investment involves large expenditure and cannot usually be undertaken without assurances of continued supplies of raw material. At present the Commission alone are able to give such assurances, and they will continue to give guarantees of supplies for new projects requiring substantial capital investment where, in their view, it is in the general interests of forestry to do so. In doing this the Commission will continue to take fully into account the interests of private growers and of the trade and will not seek to guarantee supplies either in greater quantity or for a longer period than is necessary for the establishment of the new project.

13. In this connection an event during the year of the highest importance was the passage on 15th May, 1963, of the Fort William Pulp and Paper Mills

Act, under which the Government was empowered to provide capital by way of grants and loans for the establishment of a large integrated pulp and paper mill (now under construction) at Fort William. This was the culmination of a long process of discussion and negotiation between industrialists, the Scottish Office, the Board of Trade, the Scottish Council (Development and Industry), the Commission and other Government agencies, and the private owners and the timber trade, and has far reaching consequences both for forestry in Great Britain and for the future of the Highlands. The establishment of the mill, with all that it implies in providing a new market and in stimulating employment and the rehabilitation of public services, could not have been achieved if the Commission had not been able (in accordance with the policy outlined in paragraph 20) to guarantee supplies.

EMPLOYMENT

14. As a result of increasing mechanisation and the rationalisation of forest operations through work study, forestry is becoming an increasingly skilled occupation. It is the Commission's objective to continue to maintain a well-trained permanent labour force, able to earn a good income through piece-work or other incentive schemes.

OPEN AIR RECREATION AND THE LANDSCAPE

15. Forests, as they grow in extent, in age and diversity, can help to satisfy a need for recreation. The Commission hope to be able to add to the size and number of Forest Parks and the facilities provided in them. They will encourage the public to use forests outside the Forest Parks where and when this can be done without risk of fire and without harm to the legitimate interests of their lessors, tenants and neighbours. The Commission have appointed a landscape consultant to assist them in making their forests as attractive in appearance as they must be efficient in production.

16. Enjoyment of the Commission's woodlands by the public need not preclude the development of shooting, properly controlled under lease or licence.

PRIVATE FORESTRY

17. For some years past the planting done by private woodland owners has amounted to approximately one-third of the country's total. It is the Commission's hope that in view of the confidence expressed by Ministers in private forestry, this massive effort by landowners to improve and expand the forest estate will continue.

18. As with the Commission, the emphasis and the problems of private forestry are changing. Marketing and the economics of forest management are assuming greater importance. It has been more difficult for the private woodland owners than for the Commission so to regulate their marketing as to make available to the timber trade and to industry increasing volumes of timber in steady supply. In the marketing of hardwoods, which are largely produced in private woodlands, the problem has been aggravated because of the high proportion of lower grade logs which come on the market when old woodland areas are re-stocked or improved. Some traditional markets have gone and new outlets need to be developed. Throughout the year there have been discussions between the Commission and the private sector on

these problems and the measures which could be taken towards their solution. One recent innovation which offers considerable promise has been the creation of five regional Marketing Liaison Committees covering the whole of England and Wales where representatives of the Federated Home Timber Associations, the Timber Growers' Organisation and the Commission meet to discuss marketing problems. A similar Committee representing the Scottish Woodland Owners' Association, the Home Timber Merchants' Association of Scotland, and the Commission deals with the same problems in Scotland.

19. The Commission readily accept the need to reconcile the marketing to best advantage of their own production with their duty to do everything possible to encourage suitable conditions in which the marketing of production from the private woodlands can also flourish. In this policy they will co-operate closely with the Forestry Committee of Great Britain and the timber trade, and with other wood users, and will continue to be helped by the Home Grown Timber Advisory Committee, which has been reconstituted as described in paragraph 26 below.

FOREST POLICY

20. To sum up, the Commission's policy is as follows:—

- (i) To increase the production of wood as a raw material for industry by extending the area of their forests at a steady rate, in accordance with sound land use: and by making each forest as productive as possible.
- (ii) Within the limits set by their other objectives to manage the forest estate as profitably as possible.
- (iii) To provide employment in rural areas, especially those most affected by depopulation, and in so doing to maintain a skilled labour force.
- (iv) To help in maintaining an efficient home timber trade.
- (v) To give due attention to the aesthetic and protective roles of the forest and to encourage open air recreation.
- (vi) To foster industrial and social development ancillary to forestry.
- (vii) To encourage the orderly development of private forestry and specifically to assist in creating conditions in which produce from private as well as Commission forests can be marketed to best advantage.

LEGISLATION

21. In November, 1962, Sir James Duncan (South Angus) introduced a Bill in the House of Commons to extend the powers of the Secretary of State for Scotland to sell forestry land vested in him by virtue of the Forestry Act 1945. The object of the Bill was to remove a legal anomaly which prevented the Commission in Scotland from disposing of forest land for such purposes as straightening inconvenient boundaries and eliminating small uneconomic outliers when it would have been either in the mutual interest of the Commission and their neighbours or in the wider interests of rational land management to do so. With the support of the Government, the Bill had an unopposed passage through both Houses and on the 10th July, 1963, received the Royal Assent as the Forestry (Sale of Land) (Scotland) Act 1963.

THE YEAR'S WORK

THE WEATHER

22. The year's weather will long be remembered as the worst for many years; a wet and dismal autumn was succeeded by an exceptionally cold and prolonged winter, accompanied by heavy snow especially in the south west. The succeeding spring and summer offered no compensation. The Commission wish to place on record their appreciation of the way in which these difficult conditions were faced and largely overcome by workers in all branches of the industry.

NATIONAL PRODUCTIVITY YEAR

23. A Forestry National Productivity Year Committee was set up in each Conservancy, the membership representing all organisations concerned with the industry. Demonstrations of the latest forest machines, tools, and techniques were arranged in a number of the Commission's forests and were well attended. Additionally, productivity in forestry was the main theme of the Commission's exhibitions at all the larger agricultural shows.

PRIVATE FORESTRY

24. Private owners planted 29,800 acres under the various grant schemes and it is estimated that about 2,000 acres were planted without the aid of grants. The total area planted on private estates was thus about 32,000.

25. The area dedicated rose by 26,702 acres net to 760,269 acres, and the number of dedication schemes by 183 to 2,399. In addition, preparations for dedicating a further 37,753 acres, representing 194 schemes, were well advanced. The acreage of woods not dedicated but managed according to an approved plan of operations under the Approved Woodlands Scheme rose by 8,783 acres to 162,357 acres, and the number of schemes increased by 35 to 643; (plans of operation for a further 333 acres (3 schemes) were in hand). Grants paid amounted to £1,157,000; details are given in Tables 4 and 23-25 of Appendix I.

HOME GROWN TIMBER ADVISORY COMMITTEE

26. After consultation with representatives of private woodland owners and the timber trade, and with the advice of the Home Grown Timber Advisory Committee, the Commissioners decided to reconstitute the Committee in the light of the recommendations made in 1956 by the Committee on the Marketing of Woodland Produce (the Watson Committee). The main change was the appointment of an independent Chairman and two independent members in addition to the members appointed after consultation with associations representing private woodland owners and the timber trade, in accordance with the Forestry Act 1951. The membership of the Committee in the new form is set out on page 19.

27. The Advisory Committee met on three occasions during the year. Among the subjects they considered were pitwood price negotiations, statistics of production and sales by the Forestry Commission, the use of timber for railway sleepers, and the possibility of formulating grading or classification rules for round logs.

UTILISATION

28. The Advisory Committee on the Utilisation of Home Grown Timber met twice during the year. The Committee considered, among other subjects, timber fencing designs, the use of home-grown timber in roof structures and boat building, wood chips as litter for cattle and poultry, the accelerated air-drying of timber, *Sirex* woodwasp in packing case timber used for the export of goods to Australia, and the yield of sawn timber from low grade oak logs.

CO-OPERATION WITH FOREST PRODUCTS RESEARCH LABORATORY

29. Work on the properties of home-grown softwoods has continued in close collaboration with the Forest Products Research Laboratory of the Department of Scientific and Industrial Research at Princes Risborough. An investigation of the properties of Norway spruce was started. Other major projects at the Laboratory include the accelerated drying of pitprops; forced air drying of sawn timber; the effect of pruning on timber quality of Norway spruce, Douglas fir and European larch; and the control of blue stain in sawlogs.

FORESTRY COMMISSION OPERATIONS

Finance

30. Receipts from the Grant-in-Aid voted by Parliament amounted to £12,245,000 and payments to £15,763,547. Receipts from the sale of timber, rents and sundry sources amounted to £3,575,533. (Appendix I, Table 1.)

Staff

31. At 30th September, 1963, the non-industrial staff totalled 2,761 as compared with 2,710 a year before: of these one-half were in the Forester grades. The number of industrial employees—men, women and juveniles—was 11,200. (This figure includes 219 part-time workers; the number of part-time workers on 1st October, 1962 was 273.)

32. An increase of 7s. 6d. (to 188s. 6d.) in the basic weekly wage for adult workers came into effect on 26th November, 1962. On 18th March, 1963 gangers and leading gangers received increases of 3s. in their lead rates over the basic weekly wage to 25s. 0d. and 30s. 0d. respectively.

33. The Trade Union Side of the Industrial and Trade Council put forward a claim for a reduction in working hours from 43 to 42 hours per week. Negotiations were continuing at the close of the year.

Acquisition of land

34. The gross area acquired, including land to which entry was allowed in advance of legal completion, was 23,807 acres, of which 21,354 acres were plantable. Disposal and adjustments of area totalled 56,728 acres, of which 4,502 acres were plantable land and the remainder unplantable or grazing and other agricultural land. There was therefore a net reduction of 32,921 acres in the total area acquired to date by the Commission (Table 9), but the forest land acquired increased by 16,852 acres (Table 8). Of this, 78 per cent. was bare land, 20 per cent. was old woodland, and 2 per cent. standing woods. At the end of the year the Commission's whole estate totalled 2,552,855 acres

(Table 6); of this 1,751,836 acres was forest land, that is, acquired plantations, plantations established by the Forestry Commission and land remaining to be planted; the balance consisted of nurseries, rough grazing and other agricultural land, Forest Workers' Holdings and unplanted and miscellaneous land. The bulk of the plantable land was acquired at £5 per acre, the same price as in 1962.

Planting

35. The area planted was 55,596 acres, 6,352 acres less than in 1962. Of this 12,528 acres were in England, 33,107 acres were in Scotland and 9,961 acres were in Wales. The proportion between the planting of bare land (71 per cent) and the planting of old woodlands (29 per cent) remained much as in previous years.

Production and Disposal of Forest Produce

36. Thinnings and clear fellings in Commission forests produced 22·2 million hoppus feet, a decrease of 0·4 million hoppus feet compared with the previous year. Of this, the timber trade cut 12·9 million hoppus feet, a decrease of 0·8 per cent on trade fellings in Commission forests in 1962.

37. During the year contracts were in force for sales of standing timber and thinnings totalling 17·5 million hoppus feet, slightly more than the previous year.

Forest Management

38. Work has been concentrated on the development of methods and techniques for planning. New management tables which will make production forecasting simpler and more accurate are being prepared. Working plan surveys were carried out on 175,000 acres during the year. Since they were started in 1957, 935,000 acres have been surveyed leaving 1,600,000 to be completed.

39. A survey of the hardwoods in Wales and eighteen counties in the south and west of England was completed during the year. New techniques of sampling and computation developed for this survey will be used for the next national census of woodlands to be undertaken in a few years' time.

Research

40. While afforestation, including nursery practices, continued to receive attention, the emphasis of research has moved further towards problems of crop stability, improvement of yields and establishment of second crops on afforested sites. Important progress has been made in the war on *Fomes annosus*, a fungus causing butt-rot, and there is hope that techniques at present under field trial will improve upon current protective measures.

41. The purchase of a computer during the year has afforded the opportunity for more rapid analysis of research and other data. Much work, to which all sections on forest research can contribute, requires to be done on the relationship between site and growth for widely used exotic species such as

Sitka spruce and Lodgepole pine. Forest research, in the widest sense, will play an increasing part in the light of widening experience of the problems of silviculture, production and marketing.

Work Study

42. The application of work and method study to a wide range of forest operations continued; the main effort was concentrated on the production, extraction and conversion of thinnings, particularly in relation to pulpwood and material of similar specification. The likely trend of work study in forestry may be in two main directions: first, the study of forest operations with the object of improving efficiency; and, secondly, participation in the objective evaluation of forest operations.

Engineering

43. During the year 433 miles of road were completed to the final standard and 181 miles to the initial standard, giving a total mileage of 7,561. The severe winter caused some setback in progress. The improvement of some of the older forest roads continued, and a start was made on an accelerated road programme in Scotland in preparation for delivery of pulpwood to the new mill at Fort William. Progress continued in modernising the plant and vehicle fleet and in consequence further mechanisation of construction work has been possible.

44. In conjunction with the forecasts of planting and production, a long term assessment of future road construction needs is in progress. This is linked with an investigation of the comparative costs of off-road and on-road haulage to arrive at the optimum road density for a range of site types and of rates of timber production.

Education

45. The year opened with a total of 167 students in residence at the four Forester Training Schools; new students numbered 94 including 14 men nominated by forest services overseas, nine of whom took a special one-year course. Progress continued to be made with the scheme, introduced in 1961, for the basic training of forest workers. The scheme generally has been well received, both by the workers and by their supervisors. 1,832 workers attended 350 courses on a variety of subjects, including tool maintenance, brashing, fencing, chain saws, thinning, planting, cleaning and upkeep of drains.

46. Two courses each of six weeks for young forest workers were held at Newton Rigg Farm School, administered by the Cumberland County Council, in the first quarter of 1963 and were attended by a total of 19 workers of whom 14 were from the Commission and 5 from private estates. Attendance on these courses is voluntary. Later in the year two more courses were held at this School for 33 men selected to enter Forester Training Schools in September, 1963.

Short Courses for Woodmen from Private Estates

47. Three courses, two in England (on the Lowther Estate and at Newton Rigg Farm School) and one in Scotland (on the Atholl Estates) were held. The Commissioners wish to express their thanks to the owners of the estates and to the Cumberland County Council for the grant of facilities.

48. Seven three-day courses were held, four in England and three in Scotland, on nursery management, soils, mensuration, chain saws and forest management.

Forestry Exhibition, 1964

49. Preparations were in hand towards the end of the year for the Forestry Exhibition which the Commission are organising at Blackbushe, near Camberley, Surrey, on 17th–18th June, 1964. The Exhibition will display all the latest developments in forest machinery and equipment and will illustrate the whole range of the industry from the collection of seed to the harvesting of timber and its conversion into its traditional and most up-to-date uses. Early indications are that the Exhibition will be strongly supported by exhibitors in all sectors of the industry and its allied interests.

Publications

50. Eleven new publications were issued through H.M. Stationery Office:—
Forty-third Annual Report of the Forestry Commissioners, 1962 (H.C. 175 Session 1962–63). (6s. 6d.)

Report on Forest Research for the year ended March, 1962. (13s. 0d.)

Bulletin 35. Pruning Conifers for the Production of Quality Timber. (6s. 6d.)

Forest Records:

No. 48. The Dropmore Pinetum. (5s. 6d.)

No. 49. The Development of Douglas Fir Plantations in Relation to Site Conditions. (1s. 0d.)

No. 50. Wind-loosening of Young Trees on Upland Heaths. (2s. 0d.)

No. 51. The Use of Flags to Estimate the Relative Exposure of Trial Plantations. (3s. 0d.)

Booklets:

No. 8. Aids to Working Conifer Thinnings. (3s. 0d.)

No. 9. Felling and Converting Thinnings by Hand. (2s. 6d.)

Guides:

Forests of North-East Scotland. (5s. 0d.)

Short Guide to the Dean Forest and Wye Valley. (9d.)

51. A joint publication with the Department of Scientific and Industrial Research was issued as Special Report No. 18 of the Forest Products Research Laboratory, entitled: Bark Form and Wood Figure in Home-grown Birch. (4s. 0d.)

52. In addition, 23 existing publications were revised and re-issued.

53. The following Statutory Instrument came into effect:—

1962 No. 2562. The Watermark Disease (Bedfordshire) Order, 1962. (4d.)

WALDEGRAVE, *Chairman.*

R. C. G. COTTERELL.

D. C. BOWSER.

F. W. STRANG STEEL.

E. GWYN DAVIES.

J. MAXWELL MACDONALD.

TOM TAYLOR.

G. E. H. PALMER.

F. SELLERS.

J. F. WILLIAMS-WYNNE.

H. A. TURNER, *Secretary,*
25, Savile Row,
London, W.1.

COMMITTEES

National Committees

The National Committees normally meet monthly except in August. The membership of these Committees at 30th September, 1963, was as follows:—

ENGLAND

Lt.-Col. Sir Richard C. G. Cotterell, Bt. (*Chairman*), Col. M. E. St. J. Barne, Mr. C. M. Floyd, Mr. G. E. H. Palmer, Mr. W. H. Pearson, Mr. F. Sellers. *Secretary to the Committee*: Mr. A. D. Palmer.

SCOTLAND

Major D. C. Bowser (*Chairman*), Major D. J. Brodie, Captain J. Craig, Captain J. Maxwell Macdonald, Mr. J. McNaughton, Major Sir William Strang Steel, Bt., Mr. T. Taylor. *Secretary to the Committee*: Mr. T. H. McGeorge.

WALES

Alderman E. Gwynfryn Davies (*Chairman*), Mr. M. L. Bourdillon, Mr. J. E. Lewis, Mr. F. Sellers, Mr. P. R. D. Spurgin, Col. J. F. Williams-Wynne. *Secretary to the Committee*: Mr. G. F. Taylor.

Regional Advisory Committees

The membership of the Committees at 30th September, 1963, was as follows:—

ENGLAND

North-West Conservancy

The Earl of Bradford (*Chairman*), Mr. J. L. Benson, Major Charles Graham, The Earl of Lonsdale, Mr. H. W. D. Pollock, Mr. R. I. Price, Mr. R. W. S. Thompson, Mr. C. J. Venables, Mr. D. H. White. *Secretary to the Committee*: Mr. J. W. Elliott. The Committee met in November, 1962, and May, 1963.

North-East Conservancy

Councillor J. T. Trevelyan (*Chairman*), Professor J. S. Allen, Mr. S. Earnshaw, Mr. T. R. F. Fenwick, Mr. R. H. B. Hamersley, Mr. W. P. Hedley, Col. C. H. Mitchell, Mr. R. Stanley, Mr. H. Wardale. *Secretary to the Committee*: Mr. L. A. Chaplin. The Committee met in December, 1962, and July, 1963.

East Conservancy

Major R. B. Verney (*Chairman*), Mr. A. Bayne, Mr. S. E. Gurney, Mr. J. C. P. Langton, Mr. G. Oates, Mr. F. C. Osmaston, Mr. M. G. Reade, Mr. C. G. Soames, The Earl of Yarborough. *Secretary to the Committee*: Mr. A. J. Searle. The Committee met in September, 1963.

South East Conservancy

Mr. G. E. H. Palmer (*Chairman*),* Mr. G. E. H. Calvert, Col. Sir Ralph S. Clarke, The Viscount Cowdray, Mr. T. J. Daniel, Mr. A. L. F. Hills, Lt.-Col. Sir William Mount, Bt., Major R. E. Whitaker. *Secretary to the Committee*: Mr. H. W. Gulliver. The Committee met in March and September, 1963.

* On his appointment as a Forestry Commissioner, Mr. Palmer resigned from the Committee. Mr. Aitkins took the chair at the September meeting.

South West Conservancy

Sir Dennis F. B. Stucley, Bt. (*Chairman*), Brig. A. F. L. Clive, Mr. J. E. Garfitt, Mr. H. P. R. Hoare, Lord Hylton, Mr. N. D. G. James, Mr. J. R. Maceer, Major J. L. Pilling, Lt.-Comdr. R. J. B. Mildway-White. *Secretary to the Committee*: Mr. R. Coote. The Committee met in October, 1962, and May, 1963.

SCOTLAND

North Conservancy

Mr. A. B. L. Munro-Ferguson (*Chairman*), Mr. J. Armstrong, Mr. G. E. Brown, Col. A. E. Cameron, Mr. C. J. Campbell, Mr. R. Dean, Mr. A. S. Kinnear, Mr. H. D. Skinner. *Secretary to the Committee*: Mr. M. Nicolson. The Committee met in November, 1962, and May, 1963.

East Conservancy

Professor H. M. Steven (*Chairman*), The Hon. James Bruce, Mr. J. B. Hendry, Sir Ian Forbes Leith, Bt., Mr. A. Duncan Millar, Lt.-Col. J. W. Nicol, Major R. N. Jardine Paterson, Mr. R. A. Raffan, Mr. W. J. Riddoch. *Secretary to the Committee*: Mr. J. Steele. The Committee met in November, 1962, and May, 1963.

South Conservancy

Major Simon F. Macdonald Lockhart (*Chairman*), Sir Arthur B. Duncan, Mr. H. Foster, Mr. T. E. Hubbard, Mr. S. E. A. Landale, Mr. J. H. Mackay, Mr. D. M. McQueen, Major John Sprot, Mr. R. Finlay Wilson. *Secretary to the Committee*: Mr. T. Farmer. The Committee met in October, 1962, and March, 1963.

West Conservancy

Sir George I. Campbell of Succoth, Bt. (*Chairman*), Capt. P. Lorne Mackie-Campbell, Sir Ronald A. Orr-Ewing, Bt., Lt.-Col. W. D. H. C. Forbes, Mr. J. Grant, Professor D. S. Hendrie, Mr. W. D. MacGregor, Major D. M. Mackinnon, Mr. P. S. Murray. *Secretary to the Committee*: Mr. J. B. Wharam. The Committee met in April, and July, 1963.

WALES

North Conservancy

Col. P. R. Davies-Cooke (*Chairman*), Mr. R. W. Allan, Mr. B. J. Crichton, Mr. Gwilym Davies, Capt. G. L. Bennett-Evans, Professor E. C. Mobbs, Mr. Langshaw Rowland. *Secretary to the Committee*: Mr. K. Mayhew. The Committee met in November, 1962, and May, 1963.

South Conservancy

Colonel C. G. Traherne (*Chairman*), Mr. D. G. Badham, Mr. Bryn Davies, Mr. H. A. Hyde, Mr. A. J. Birt Llewellyn, Mr. A. J. Llewellyn, Mr. M. H. Maxwell, Brigadier R. P. Waller. *Secretary to the Committee*: Mr. W. R. Doherty. The Committee met in October, 1962, and April, 1963.

Home Grown Timber Advisory Committee

The membership of the Committee after reconstitution was as follows:—

- | | | | |
|---------------------------------|--------|--|---|
| Professor H. M. Steven | ... | Chairman | |
| Sir Henry Beresford-Peirse, Bt. | | | } |
| Mr. G. B. Ryle | ... .. |  |  |
| Mr. H. A. Turner | ... .. |  |  |
| Mr. E. G. Richards | ... .. |  |  |
| Mr. W. M. Cormack | ... .. |  |  |
| | | Forestry Commission | |
| Mr. J. L. May | ... | Board of Trade | |
| Mr. J. Bryan | ... | Department of Scientific and Industrial Research (Forest Products Research Laboratory) | |
| The Earl of Bradford | ... .. |  | } |
| Lt.-Col. Sir William Mount, Bt. | ... | | |
| Sir Dennis Stucley, Bt. | ... .. |  |  |
| The Viscount Emlyn | ... .. |  |  |
| | | Timber Growers Organisation | |
| Mr. A. L. P. F. Wallace | of | | } |
| Candacraig | ... .. |  |  |
| The Duke of Buccleuch | ... .. |  |  |
| Major D. Gordon | ... .. |  |  |
| | | Scottish Woodland Owners Association | |
| Mr. N. M. R. Moody | ... .. |  | } |
| Mr. J. E. Tilley | ... .. |  |  |
| Mr. J. R. Maer | ... .. |  |  |
| | | Federated Home Timber Associations | |
| Mr. R. Finlay Wilson | ... .. |  | } |
| Mr. T. Y. Gibson | ... .. |  |  |
| Mr. T. Bruce-Jones | ... .. |  |  |
| | | Home Timber Merchants Association of Scotland | |
| Mr. J. B. Dawson | ... | Timber Trades Federation | |
| Mr. H. Richardson | ... | Timber Research and Development Association | |
| Mr. E. S. Taylor | ... | | } |
| Mr. H. T. Weeks | ... | | |
| | | Independent Members | |

Joint Secretaries: Mr. J. J. V. Summers
Mr. B. W. Holtam

Before reconstitution, the Committee met in October, 1962, and January and July, 1963. The Committee with the above constitution held its first meeting in November, 1963.

Advisory Committee on the Utilisation of Home Grown Timber

The membership of the Committee at 30th September, 1963, was as follows:—

| | | |
|--------------------------------|-----|--|
| Mr. G. B. Ryle ... | ... | Deputy Director General, Forestry Commission (<i>Chairman of the Committee</i>) |
| Mr. E. G. Richards | ... | Forestry Commission |
| Mr. J. C. Mather | ... | Board of Trade |
| Mr. F. G. O. Pearson ... | ... | Department of Scientific and Industrial Research (Forest Products Research Laboratory) |
| Mr. A. E. Aitkins | ... | } Timber Growers Organisation |
| Mr. N. H. Gore | ... | |
| Major S. F. Macdonald Lockhart | | Scottish Woodland Owners Association |
| Mr. W. T. Rochelle | ... | Federated Home Timber Associations |
| Mr. J. C. McGregor | ... | Home Timber Merchants Association of Scotland |
| Mr. H. Richardson | ... | Timber Research and Development Association |
| Mr. G. R. Jacob... | | Home Grown Timber Marketing Corporation |
| Dr. G. O. Aspinall | ... | } Independent Members |
| Mr. W. E. Bruce... | ... | |
| Mr. C. H. Farrar | ... | |
| Mr. W. G. Trust... | ... | |

Secretary: Mr. B. W. Holtam.

The Committee met in November, 1962, and May, 1963.

Mechanical Development Committee

The membership of the Committee at 30th September, 1963, was as follows:—

| | | |
|---|--------|---|
| Mr. G. B. Ryle ... | ... | Deputy Director General, Forestry Commission (Chairman of the Committee) |
| Mr. A. Watt ... | ... | } Forestry Commission |
| Mr. E. G. Richards ... | ... | |
| Mr. E. H. Macmillen ... | ... | |
| Mr. J. W. L. Zehetmayr ... | ... | |
| Mr. D. M. Beaton ... | ... | |
| Mr. C. D. MacMahon ... | ... | |
| Mr. E. F. Granfield ... | ... | |
| Mr. J. E. Tilley ... | ... | Federated Home Timber Associations |
| Mr. David Brown | ... | Home Timber Merchants Association of Scotland |
| Mr. H. J. Hamblin | | National Institute of Agricultural Engineering |
| Dr. D. Morrison... | ... | Department of Mechanical Engineering, Glasgow University |
| Mr. A. L. P. F. Wallace of Candacraig ... | ... .. | Scottish Woodland Owners Association |
| Mr. A. F. Drewe | | Timber Growers Organisation |

Secretary: Col. R. G. Shaw.

The Committee met in October, 1962, and April, 1963.

Advisory Committee on Forest Research

At 30th September, 1963, the membership of the Committee, over which the Chairman of the Commission presides, was as follows:—

Mr. F. C. Bawden
 Professor F. W. Rogers Brambell
 Professor R. Brown
 Mr. J. Bryan
 Dr. D. J. Finney
 Dr. J. W. Gregor
 Mr. G. V. Jacks
 Professor E. C. Mobbs
 Professor W. H. Pearsall
 Professor R. D. Preston
 Professor H. M. Steven
 Dr. A. B. Stewart

Secretary: Mr. T. D. H. Morris.

The Committee met in October, 1962, and July, 1963.

APPENDIX I

FINANCIAL AND STATISTICAL TABLES

FORESTRY FUND: SUMMARY

Year ended 30th September

Table 1

£

| | Balance from Preceding Year | Receipts | | | Payments |
|-------------------------------------|-----------------------------|-------------|--------------------------|------------------------------------|-------------|
| | | Total | From Parliamentary Votes | From Sales of Produce, Rents, etc. | |
| GRAND TOTAL 1920-1963 ... | — | 203,501,478 | 154,616,800 | 48,884,678 | 203,427,956 |
| 1920-1929 ... | — | 4,421,484 | 3,570,000 | 851,484 | 4,502,018 |
| 1930-1939 ... | — | 8,114,652 | 6,292,800 | 1,821,852 | 7,926,093 |
| 1940-1949 ... | — | 26,370,778 | 18,945,000 | 7,425,778 | 26,238,789 |
| 1950 ... | 240,014 | 7,030,748 | 5,495,000 | 1,535,748 | 7,025,414 |
| 1951 ... | 245,348 | 8,161,846 | 6,350,000 | 1,811,846 | 8,012,098 |
| 1952 ... | 395,096 | 9,258,033 | 6,893,000 | 2,365,033 | 9,277,642 |
| 1953 ... | 375,487 | 9,258,319 | 7,041,000 | 2,217,319 | 9,421,426 |
| 1954 ... | 212,380 | 10,357,941 | 7,850,000 | 2,507,941 | 10,373,211 |
| 1955 ... | 197,110 | 11,131,827 | 8,473,000 | 2,658,827 | 11,053,705 |
| 1956 ... | 275,232 | 11,087,690 | 8,351,000 | 2,736,690 | 11,235,170 |
| 1957 ... | 127,752 | 12,500,922 | 9,360,000 | 3,140,922 | 12,209,471 |
| 1958 ... | 419,203 | 12,112,533 | 8,993,000 | 3,119,533 | 12,459,450 |
| 1959 ... | 72,286 | 13,415,164 | 10,217,000 | 3,198,164 | 13,076,547 |
| 1960 ... | 410,903 | 13,832,639 | 10,702,000 | 3,130,639 | 13,930,162 |
| 1961 ... | 313,380 | 15,511,200 | 12,169,000 | 3,342,200 | 15,621,481 |
| 1962 ... | 203,099 | 15,115,169 | 11,670,000 | 3,445,169 | 15,301,732 |
| 1963 ... | 16,536 | 15,820,533 | 12,245,000 | 3,575,533 | 15,763,547 |
| 1964 ... | 73,522 | — | — | — | — |

Notes.—The above amounts are cash actually received or paid out. The balance carried forward to 1964 consists of £199,970 cash at bank (Table 5) less £126,448 for cash suspense items included in sundry debit balances and sundry creditors (Table 5).

Table 2

ACCOUNT OF FORESTRY OPERATIONS FOR THE

| 1962 £000's | | 1963 £000's | 1963 £000's |
|----------------|---|----------------|----------------|
| | Preparation and formation of plantations:— | | |
| 573 | Preparation of ground including ploughing | 556 | |
| 880 | Planting including cost of plants | 771 | |
| 560 | New drains and fences | 535 | |
| | | ————— | 1,862 |
| | Maintenance of plantations:— | | |
| 246 | Beating up, including cost of plants | 247 | |
| 1,126 | Weeding and cleaning plantations | 1,264 | |
| 420 | Maintenance of drains and fences | 430 | |
| 36 | Enrichment, including cost of plants | 35 | |
| 282 | Maintenance of roads | 329 | |
| 31 | Miscellaneous | 31 | |
| | | ————— | 2,336 |
| | Forest protection:— | | |
| 256 | Fire protection | 234 | |
| 280 | Other protection | 305 | |
| | | ————— | 539 |
| | Production:— | | |
| 742 | Felling, extraction and processing | 731 | |
| 251 | Carriage and other expenditure | 248 | |
| — | Felled timber: decrease in stocks and work in progress | 16 | |
| | | ————— | 995 |
| 716 | Estate expenses | | 799 |
| | | | ————— |
| | | | 6,531 |
| | Overheads:— | | |
| 2,971 | Forest (including wet time, holidays etc. of Forest Workers and salaries and expenses of Foresters) ... | 3,238 | |
| 201 | District (salaries and expenses of District Officers) ... | 214 | |
| | Conservancy (salaries and expenses of Conservancy Office staff) | 704 | |
| 647 | | 794 | |
| 710 | Directorate and Headquarters (salaries and expenses)... | 794 | |
| | | ————— | 4,950 |
| 9,094 | Interest on capital advanced by the Exchequer | | 9,570 |
| | | | ————— |
| 20,022 | | | 21,051 |
| | | | ————— |

Table 3

NURSERIES ACCOUNT FOR THE

| 1962 £000's | | 1963 £000's |
|----------------|-------------------------|----------------|
| 116 | Seedbeds | 88 |
| 208 | Transplant lines | 170 |
| 80 | Other expenditure | 76 |
| 259 | Overheads | 222 |
| 61 | Decrease in Stocks | 68 |
| | | ————— |
| 724 | | 624 |
| | | ————— |

YEAR ENDED 30TH SEPTEMBER, 1963

| <i>1962</i> | | 1963 |
|---|---|---|
| <i>£000's</i> | | <i>£000's</i> |
| 2,481 | Sales of Forest Produce | 2,506 |
| 145 | Forest Produce used on the Commission's Estate | 129 |
| 116 | Sundry forestry income | 207 |
| 12 | Felled timber: increase in stocks and work in progress ... | — |
| 436 | Estate income | 482 |
| 15 | Lake Vyrnwy Joint Forestry Scheme (with Liverpool Corporation) | 11 |
| | | <hr style="width: 100px; margin-left: auto; margin-right: 0;"/> |
| | | 3,335 |
| 16,817 | Balance, being net cost of growing timber during the year | 17,716 |
| | | |
| | | <hr style="width: 100px; margin-left: auto; margin-right: 0;"/> |
| <hr style="width: 100px; margin-left: 0; margin-right: auto;"/> | | 21,051 |
| <hr style="width: 100px; margin-left: 0; margin-right: auto;"/> | | <hr style="width: 100px; margin-left: auto; margin-right: 0;"/> |

YEAR ENDED 30TH SEPTEMBER, 1963

| <i>1962</i> | | 1963 |
|---|--|---|
| <i>£000's</i> | | <i>£000's</i> |
| 68 | Sales of plants | 42 |
| 2 | Sundry income | 1 |
| 654 | Plants used in the Commission's forests (charged in Table 2) | 581 |
| | | |
| | | <hr style="width: 100px; margin-left: auto; margin-right: 0;"/> |
| <hr style="width: 100px; margin-left: 0; margin-right: auto;"/> | | 624 |
| <hr style="width: 100px; margin-left: 0; margin-right: auto;"/> | | <hr style="width: 100px; margin-left: auto; margin-right: 0;"/> |

Table 4

NET EXPENDITURE ON SERVICES OTHER THAN FORESTRY OPERATIONS
DURING THE YEAR ENDED 30TH SEPTEMBER, 1963

| 1962 £000's | | 1963 £000's |
|----------------|--|----------------|
| | <i>PRIVATE FORESTRY</i> | |
| | Grants under Dedication Schemes:— | |
| 5 | Basis I | 29 |
| 572 | Basis II: Planting Grants | 500 |
| 438 | Management Grants | 429 |
| 1 | Maintenance Grants | — |
| 90 | Approved Woodlands Planting Grants ... | 68 |
| 79 | Small Woods Planting Grants | 72 |
| 2 | Other Planting Grants | 1 |
| 61 | Scrub Clearance Grants | 59 |
| 6 | Miscellaneous | 6 |
| 229 | Administration including advisory services ... | 228 |
| 1,483 | | 1,392 |
| | <i>RESEARCH</i> | |
| 210 | Silviculture, including Nursery Work | 218 |
| 34 | Genetics | 37 |
| 62 | Mensuration, Census, etc.* | — |
| 40 | Pathology and Entomology | 43 |
| — | Work Study† | 33 |
| 10 | Machinery* | — |
| 4 | Utilisation* | — |
| 19 | Grants to Institutions | 17 |
| 38 | Miscellaneous | 50 |
| 29 | Administration | 39 |
| 446 | | 437 |
| 1,929 | <i>Carry forward ...</i> | 1,829 |

* Now included in the Account of Forestry Operations (Table 2) under Overheads—Directorate and Headquarters.

† Previously included in the Account of Forestry Operations (Table 2) under Overheads—Directorate and Headquarters.

Table 4—continued

| 1962 £000's | <i>Brought forward</i> | 1963 £000's |
|----------------|--------------------------------|----------------|
| 1,929 | | 1,829 |
| | <i>EDUCATION</i> | |
| 112 | Forester Training Schools ... | 130 |
| 7 | Short Courses | 9 |
| 1 | Forestry Apprenticeship Scheme | — |
| 6 | Northerwood House | 7 |
| 20 | Forest Worker Training Scheme | 35 |
| 17 | Administration | 22 |
| 163 | — | 203 |
| | <i>SPECIAL SERVICES</i> | |
| 58 | Licensing of Felling ... | ... 51 |
| 13 | Information and Shows | ... 13 |
| 6 | Miscellaneous | ... 2 |
| 4 | Administration | ... 6 |
| 81 | — | 72 |
| 2,173 | | 2,104 |

Note.—Total net expenditure from 29th November, 1919 to 30th September, 1963 under the main heads of this table was as follows:—

| | |
|------------------|--------|
| | £000's |
| Private Forestry | 12,444 |
| Research ... | 4,597 |
| Education ... | 2,605 |
| Special Services | 2,919 |
| | 22,565 |

Table 5

BALANCE SHEET AS AT

| 1962 £000's | | 1963 £000's | £000's |
|----------------|---|----------------|----------------|
| | Capital Account:— | | |
| 113,136 | To 30th September 1962 | 122,633 | |
| 11,670 | Grants in aid of Forestry Fund during year ... | 12,245 | |
| 2,173 | Deduct cost of services other than Forestry Operations (Table 4) | 2,104 | |
| <u>122,633</u> | | <u>10,141</u> | |
| 66,247 | Interest accrued ... | 132,774 | |
| <u>188,880</u> | | <u>75,817</u> | |
| | | | 208,591 |
| 985 | Value of properties, including New and Dean Forests, acquired under Forestry (Transfer of Woods) Orders, 1924–62 | | 982 |
| 9 | Value at 21st September, 1939 of properties acquired under Forestry (Transfer of Woods from the Secretary of State for Air) Order 1939 | | 9 |
| 25 | Value of properties acquired by transfer from the Minister of Agriculture, Fisheries and Food under Section 4 of Forestry Act, 1945 | | 29 |
| 8 | Value of timber acquired by transfer from H.M. Board of Admiralty under Section 4 of Forestry Act, 1945 | | 8 |
| 147 | Gifts of land and buildings | | 148 |
| <u>190,054</u> | | | <u>209,767</u> |
| 8,180 | Provision for pensions and gratuities | | 8,787 |
| 1,040 | Sundry Creditors | | 893 |
| | Insurance Account:— | | |
| | Balance at 30th September, 1962 | 288 | |
| | Provision made during year ... | 71 | |
| | | <u>359</u> | |
| 288 | Less—Losses during year | 79 | 280 |
| <u>199,562</u> | | | <u>219,727</u> |

30TH SEPTEMBER, 1963

| | | 1963 | | | |
|----------------|---|--------------------------------------|---|----------------------------------|---------|
| | | At 30th Septem- ber 1962 | Net addi- tions during year | Depre- ciation for year | |
| 1962 £000's | | £000's | £000's | £000's | £000's |
| | Fixed Assets, at cost less Depreciation: | | | | |
| | Land | 5,843 | 27* | — | 5,816 |
| | Roads and bridges ... | 16,760 | 1,864 | — | 18,624 |
| | Buildings | 8,982 | 337 | 186 | 9,133 |
| | Powered vehicles and machines ... | 1,400 | 729 | 334 | 1,795 |
| | Sundry plant, equipment and furni- ture | 202 | 94 | 54 | 242 |
| | | <hr/> | <hr/> | <hr/> | <hr/> |
| 33,187 | | 33,187 | 2,997 | 574 | 35,610 |
| | <hr/> | | | | |
| | Current Assets:— | | | | |
| 25 | Farm stocks | | 16 | | |
| 1,757 | Nursery stocks, supplies at forests, etc. ... | | 1,683 | | |
| 504 | Felled timber: stocks and work in progress | | 488 | | |
| 582 | Debtors and sundry debit balances | | 605 | | |
| 197 | Loans to Private Woodland Owners... | | 242 | | |
| 163 | Cash at banks and in hand ... | | 200 | | |
| | | | <hr/> | | 3,234 |
| | Debentures and shares:— | | | | |
| 15 | Debentures in Cowal-Ari Sawmilling Co. Ltd., Argyll | | 15 | | |
| 1 | Shares in Parkend Saw Mills Ltd., Forest of Dean | | 1 | | |
| | | | <hr/> | | 16 |
| | Forests—Net cost of growing timber:— | | | | |
| | To 30th September, 1962 | | 163,131 | | |
| | During year: | | | | |
| | Net cost transferred from Forestry Operations | | | | |
| | Account (Table 2) | | 17,716 | | |
| | Growing timber purchased | | 20 | | |
| | | | <hr/> | | 180,867 |
| 163,131 | | | | | <hr/> |
| 199,562 | | | | | 219,727 |
| | | | | | <hr/> |

* Net subtraction

Note:—The Balance Sheet and preceding accounts have not yet been audited by the Comptroller and Auditor General.

LAND USE

Table 6

At 30th September, 1963

Acres

| | Great Britain | England | Scotland | Wales |
|---------------------------------------|---------------|---------|-----------|---------|
| Total area | 2,552,855 | 736,634 | 1,453,524 | 362,697 |
| Forest Land: Total | 1,751,836 | 614,907 | 826,326 | 310,603 |
| Standing woods acquired | 81,136 | 50,423 | 24,882 | 5,831 |
| Planted by Forestry Commission | 1,368,219 | 474,469 | 634,725 | 259,025 |
| To be planted | 302,481 | 90,015 | 166,719 | 45,747 |
| Other Land: Total... .. | 801,019 | 121,727 | 627,198 | 52,094 |
| Nurseries | 1,857 | 725 | 785 | 347 |
| Agricultural and grazing | 452,385 | 44,015 | 373,375 | 34,995 |
| Forest Workers' Holdings | 16,028 | 4,894 | 6,534 | 4,600 |
| Unplantable and miscellaneous... .. | 330,749 | 72,093 | 246,504 | 12,152 |

LAND MANAGED BY THE AGRICULTURAL DEPARTMENTS*

Table 7

At 30th September, 1963

Acres

| | Great Britain | England | Scotland | Wales |
|------------------------------------|---------------|---------|----------|-------|
| Total area | 324,312 | 28,920 | 291,917 | 3,475 |
| Forest land | 26,181 | 4,137 | 20,919 | 1,125 |
| Agricultural and other land | 298,131 | 24,783 | 270,998 | 2,350 |

* Included in Table 6 above.

FOREST LAND ACQUIRED IN FOREST YEAR 1963

Table 8

Acres

| | Great Britain | England | Scotland | Wales |
|---------------------------------------|---------------|---------|----------|-------|
| Total area | 16,852 | 2,080 | 11,681 | 3,091 |
| Standing woods | 373 | 239 | 48 | 86 |
| Bare land for afforestation | 13,172 | 363 | 10,760 | 2,049 |
| Former woodland for replanting | 3,307 | 1,478 | 873 | 956 |

SUMMARY STATEMENT OF LAND ACQUIRED TO THE END OF
FOREST YEAR 1963*

Table 9

Acres

| | Great Britain | England | Scotland | Wales |
|-------------------------------|---------------|---------|-----------|---------|
| Total acquired | 2,443,442 | 638,186 | 1,447,878 | 357,378 |
| By lease or feu: Total | 668,297 | 272,739 | 290,761 | 104,797 |
| Forest land | 510,855 | 247,413 | 177,411 | 86,031 |
| Other land | 157,442 | 25,326 | 113,350 | 18,766 |
| By Purchase: Total | 1,775,145 | 365,447 | 1,157,117 | 252,581 |
| Forest land | 1,129,223 | 322,221 | 593,870 | 213,132 |
| Other land | 645,922 | 43,226 | 563,247 | 39,449 |

* Excluding Crown Woods amounting to about 110,000 acres (of which some 60,000 acres are plantable) transferred to the Commissioners under the Forestry (Transfer of Woods) Act, 1923.

STOCKS OF NURSERY PLANTS

Table 10

At 30th September, 1963

Thousand plants

| | Great Britain | England | Scotland | Wales |
|---------------------|---------------|---------|----------|--------|
| Total stocks | 410,227 | 107,950 | 236,841 | 65,436 |
| Transplants | 146,074 | 44,369 | 74,852 | 26,853 |
| Seedlings | 264,153 | 63,581 | 161,989 | 38,583 |

NURSERY PLANTS SOLD TO THE TRADE IN THE FOREST YEAR 1963

Table 11

Thousand plants

| | Total | Transplants | Seedlings |
|----------------------------------|-------|-------------|-----------|
| All species: Total | 6,651 | 4,404 | 2,247 |
| Coniferous: Total | 6,589 | 4,365 | 2,224 |
| Scots pine | 1,858 | 1,178 | 680 |
| Corsican pine | 163 | 163 | — |
| Lodgepole pine | 273 | 153 | 120 |
| European larch | 415 | 8 | 407 |
| Japanese larch | 242 | 50 | 192 |
| Douglas fir | 826 | 468 | 358 |
| Norway spruce | 1,117 | 886 | 231 |
| Sitka spruce | 1,105 | 959 | 146 |
| Other conifers | 590 | 500 | 90 |
| Broadleaved: Total | 62 | 39 | 23 |
| Ash | — | — | — |
| Oak | — | — | — |
| Beech | 23 | 22 | 1 |
| Other broadleaved species | 39 | 17 | 22 |

SEED IMPORTS BY THE FORESTRY COMMISSION IN THE FOREST YEAR 1963

Table 12

| Species | Quantity (lb.) | Origin |
|------------------------|----------------|--|
| All species: Total ... | 20,295 | — |
| Coniferous: Total ... | 8,152 | — |
| Lodgepole pine ... | 30 | Alberni, Vancouver Island, British Columbia |
| Lodgepole pine ... | 22 | Nanaimo, British Columbia |
| Lodgepole pine ... | 32 | Shuswap Lake, British Columbia |
| Lodgepole pine ... | 150 | Kamloops, British Columbia |
| Lodgepole pine ... | 300 | Long Beach, Washington, U.S.A. |
| Lodgepole pine ... | 211 | Newport, Oregon, U.S.A. |
| Lodgepole pine ... | 21 | North Bend, Oregon, U.S.A. |
| Norway spruce ... | 750 | Klaus, Austria |
| Norway spruce ... | 400 | Styria, Austria |
| Norway spruce ... | 850 | Carinthia, Austria |
| Sitka spruce ... | 2,500 | Masset, Queen Charlotte Island, British Columbia |
| Sitka spruce ... | 350 | Joyce, Washington, U.S.A. |
| Sitka spruce ... | 100 | Hoko, Washington, U.S.A. |
| Sitka spruce ... | 50 | Neah Bay, Washington, U.S.A. |
| Douglas fir ... | 150 | Elma, Washington, U.S.A. |
| European larch ... | 227 | Krakow, Poland |
| European larch ... | 114 | Klodzko, Poland |
| European larch ... | 200 | Vlasim, Czechoslovakia |
| European larch ... | 150 | Ennstal, Styria, Austria. |
| European larch ... | 59 | Vitkov, Silesia, Austria. |
| Tsuga heterophylla ... | 201 | Masset, Queen Charlotte Island, British Columbia |
| Tsuga heterophylla ... | 398 | Nanaimo, British Columbia |
| Thuja plicata ... | 300 | Masset, Queen Charlotte Island, British Columbia |
| Abies grandis ... | 316 | Courtenay, British Columbia |
| Abies grandis ... | 152 | Darrington, Washington, U.S.A. |
| Abies grandis ... | 32 | Wind River, Washington, U.S.A. |
| Other conifers ... | 87 | — |
| Broadleaved: Total ... | 12,143 | — |
| Pedunculate oak ... | 9,000 | Northern Germany |
| Red oak ... | 700 | Baden, Germany |
| Red oak ... | 335 | Holland |
| Spanish chestnut ... | 2,100 | France |
| Other broadleaved ... | 8 | — |

PLANTING IN THE FOREST YEAR 1963

Table 13

Acres

| | | | | | Total | Afforested | Replanted |
|---------------|-----|-----|-----|-----|--------|------------|-----------|
| Great Britain | ... | ... | ... | ... | 55,596 | 39,332 | 16,264 |
| Conifer | ... | ... | ... | ... | 54,350 | 39,179 | 15,171 |
| Broadleaved | ... | ... | ... | ... | 1,246 | 153 | 1,093 |
| England | ... | ... | ... | ... | 12,528 | 5,012 | 7,516 |
| Conifer | ... | ... | ... | ... | 11,422 | 4,888 | 6,534 |
| Broadleaved | ... | ... | ... | ... | 1,106 | 124 | 982 |
| Scotland | ... | ... | ... | ... | 33,107 | 27,200 | 5,907 |
| Conifer | ... | ... | ... | ... | 33,030 | 27,174 | 5,856 |
| Broadleaved | ... | ... | ... | ... | 77 | 26 | 51 |
| Wales... | ... | ... | ... | ... | 9,961 | 7,120 | 2,841 |
| Conifer | ... | ... | ... | ... | 9,898 | 7,117 | 2,781 |
| Broadleaved | ... | ... | ... | ... | 63 | 3 | 60 |

PROGRESS OF PLANTING IN THE LAST TEN FOREST YEARS 1954-63

Table 14

Acres

| Year | | | | | Great Britain | England | Scotland | Wales |
|------|-----|-----|-----|-----|---------------|---------|----------|--------|
| 1954 | ... | ... | ... | ... | 70,437 | 22,994 | 34,344 | 13,099 |
| 1955 | ... | ... | ... | ... | 67,906 | 21,222 | 34,042 | 12,642 |
| 1956 | ... | ... | ... | ... | 62,400 | 20,822 | 29,751 | 11,827 |
| 1957 | ... | ... | ... | ... | 57,881 | 19,332 | 26,696 | 11,853 |
| 1958 | ... | ... | ... | ... | 52,398 | 17,175 | 24,863 | 10,360 |
| 1959 | ... | ... | ... | ... | 55,136 | 17,781 | 25,651 | 11,704 |
| 1960 | ... | ... | ... | ... | 61,686 | 18,742 | 29,777 | 13,167 |
| 1961 | ... | ... | ... | ... | 63,693 | 17,930 | 33,282 | 12,481 |
| 1962 | ... | ... | ... | ... | 61,948 | 15,499 | 34,768 | 11,681 |
| 1963 | ... | ... | ... | ... | 55,596 | 12,528 | 33,107 | 9,961 |

SPECIES PLANTED IN THE FOREST YEAR 1963

Table 15

| | Total | Scots Pine | Corsican Pine | Lodgepole Pine | European Larch | Japanese Larch | Douglas Fir | Norway Spruce | Sitka Spruce | Oak | Beech | Other species | |
|---------------------|---------|------------|---------------|----------------|----------------|----------------|-------------|---------------|--------------|-----|-------|---------------|--------------|
| | | | | | | | | | | | | Conifer | Broad-leaved |
| Great Britain ... | 109,830 | 18,028 | 4,997 | 19,539 | 1,313 | 3,078 | 4,431 | 8,876 | 35,896 | 250 | 1,822 | 10,654 | 946 |
| England, Total | 29,570 | 6,521 | 3,980 | 3,880 | 547 | 674 | 1,895 | 3,215 | 2,999 | 210 | 1,635 | 3,262 | 752 |
| <i>Conservancy:</i> | | | | | | | | | | | | | |
| North West | 5,625 | 916 | 814 | 1,403 | 81 | 196 | 281 | 314 | 642 | 52 | 232 | 513 | 181 |
| North East... | 8,039 | 1,967 | 190 | 2,245 | 235 | 171 | 127 | 455 | 1,930 | 4 | 118 | 309 | 288 |
| East... | 6,016 | 2,041 | 1,715 | — | 44 | — | 149 | 1,084 | — | 36 | 438 | 474 | 35 |
| South East ... | 3,718 | 754 | 816 | 65 | 2 | 91 | 263 | 332 | — | 6 | 293 | 1,024 | 72 |
| South West... | 3,386 | 178 | 220 | 97 | 55 | 142 | 856 | 804 | 396 | 46 | 267 | 278 | 47 |
| New Forest... | 1,201 | 222 | 163 | 45 | — | 21 | 117 | 42 | 4 | 27 | 26 | 455 | 79 |
| Dean Forest ... | 1,219 | 420 | 46 | — | 113 | 43 | 80 | 142 | — | 30 | 257 | 61 | 27 |
| Research ... | 366 | 23 | 16 | 25 | 17 | 10 | 22 | 42 | 27 | 9 | 4 | 148 | 23 |
| Scotland, Total | 58,788 | 10,852 | 368 | 13,051 | 744 | 1,323 | 1,095 | 2,856 | 23,559 | 29 | 98 | 4,653 | 160 |
| <i>Conservancy:</i> | | | | | | | | | | | | | |
| North ... | 16,276 | 6,404 | 138 | 3,510 | 273 | 670 | 320 | 214 | 4,280 | — | 8 | 394 | 65 |
| East... | 14,384 | 3,796 | 119 | 3,974 | 283 | 87 | 394 | 903 | 3,431 | 3 | 36 | 1,318 | 40 |
| South ... | 15,294 | 284 | 80 | 3,249 | 68 | 51 | 273 | 784 | 8,933 | 11 | 24 | 1,507 | 30 |
| West ... | 12,673 | 325 | 30 | 2,265 | 119 | 511 | 107 | 950 | 6,903 | 15 | 29 | 1,410 | 9 |
| Research ... | 161 | 43 | 1 | 53 | 1 | 4 | 1 | 5 | 12 | — | 1 | 24 | 16 |
| Wales, Total ... | 21,472 | 655 | 649 | 2,608 | 22 | 1,081 | 1,441 | 2,805 | 9,338 | 11 | 89 | 2,739 | 34 |
| <i>Conservancy:</i> | | | | | | | | | | | | | |
| North ... | 9,748 | 72 | 552 | 661 | 22 | 254 | 915 | 1,337 | 4,474 | 5 | 43 | 1,393 | 20 |
| South ... | 11,724 | 583 | 97 | 1,947 | — | 827 | 526 | 1,468 | 4,864 | 6 | 46 | 1,346 | 14 |

FIRES IN FORESTS IN THE FOREST YEAR 1963

Table 16

| | Great Britain | England | Scotland | Wales |
|----------------------------|---------------|---------|----------|--------|
| Number of fires | 922 | 302 | 202 | 418 |
| Area burned (acres) ... | 943 | 89 | 437 | 417 |
| Value of damage (£) | 85,986 | 9,918 | 45,608 | 30,460 |

CAUSES OF FIRES IN THE FOREST YEAR 1963

Table 17

Number

| | Great Britain | England | Scotland | Wales |
|-----------------------------|---------------|---------|----------|-------|
| Total | 922 | 302 | 202 | 418 |
| Railways | 530 | 165 | 115 | 250 |
| Adjoining land | 151 | 39 | 29 | 83 |
| Public | 100 | 42 | 26 | 32 |
| Commission employees | 9 | 3 | 2 | 4 |
| Incendiarism | 12 | 8 | — | 4 |
| Miscellaneous | 17 | 4 | 7 | 6 |
| Unknown | 103 | 41 | 23 | 39 |

AREAS OF PLANTATIONS AND VOLUMES OF TIMBER THINNED
AND FELLED IN THE FOREST YEAR 1963

Table 18

| | Felled | | Thinned | | Total Volume Felled and Thinned (Million hoppus feet) |
|---------------------|--------------|------------------------------|--------------|------------------------------|---|
| | Area (acres) | Volume (Million hoppus feet) | Area (acres) | Volume (Million hoppus feet) | |
| Great Britain ... | 3,944 | 6·142 | 41,276 | 16·042 | 22·184 |
| England, Total ... | 2,348 | 3·822 | 16,652 | 6·482 | 10·304 |
| <i>Conservancy:</i> | | | | | |
| North West ... | 272 | 0·347 | 4,388 | 1·396 | 1·743 |
| North East ... | 153 | 0·318 | 1,596 | 0·596 | 0·914 |
| East ... | 554 | 0·859 | 4,075 | 1·917 | 2·776 |
| South East ... | 327 | 0·562 | 1,196 | 0·365 | 0·927 |
| South West ... | 350 | 0·456 | 2,101 | 0·958 | 1·414 |
| New Forest ... | 219 | 0·489 | 1,731 | 0·596 | 1·085 |
| Dean Forest ... | 473 | 0·791 | 1,565 | 0·654 | 1·445 |
| Scotland, Total ... | 379 | 0·962 | 16,400 | 6·012 | 6·974 |
| <i>Conservancy:</i> | | | | | |
| North ... | 62 | 0·406 | 2,687 | 1·214 | 1·620 |
| East ... | 179 | 0·327 | 6,725 | 1·979 | 2·306 |
| South ... | 58 | 0·163 | 3,245 | 1·409 | 1·572 |
| West ... | 80 | 0·660 | 3,743 | 1·410 | 1·476 |
| Wales, Total ... | 1,217 | 1·358 | 8,224 | 3·548 | 4·906 |
| <i>Conservancy:</i> | | | | | |
| North ... | 754 | 0·889 | 4,695 | 2·077 | 2·966 |
| South ... | 463 | 0·469 | 3,529 | 1·471 | 1·940 |

SALES OF TIMBER IN THE FOREST YEAR 1963

Table 19

Million hoppus feet

| Description | Great Britain | England | Scotland | Wales |
|--|---------------|---------|----------|-------|
| Trees sold standing | 12·942 | 4·321 | 5·334 | 3·287 |
| Converted* | 7·209 | 4·762 | 1·260 | 1·187 |
| Round timber and saw logs | 1·335 | ·834 | ·325 | ·176 |
| Telegraph and other selected poles | ·058 | ·055 | ·001 | ·002 |
| Mining timber | 1·917 | 1·364 | ·083 | ·470 |
| Posts and stakes | ·989 | ·318 | ·623 | ·048 |
| Pulpwood and boardmill material | 1·914 | 1·347 | ·169 | ·398 |
| Sawn timber (roundwood equivalent) | ·014 | ·001 | ·013 | — |
| Firewood | ·629 | ·495 | ·046 | ·088 |
| Miscellaneous | ·353 | ·348 | — | ·005 |
| Poles sold in length (other than selected) ... | 1·187 | ·687 | ·294 | ·206 |

* *Note.*—In addition 0·4 million hoppus feet were converted and used internally for forest and estate purposes. (England 0·1, Scotland 0·2, Wales 0·1).

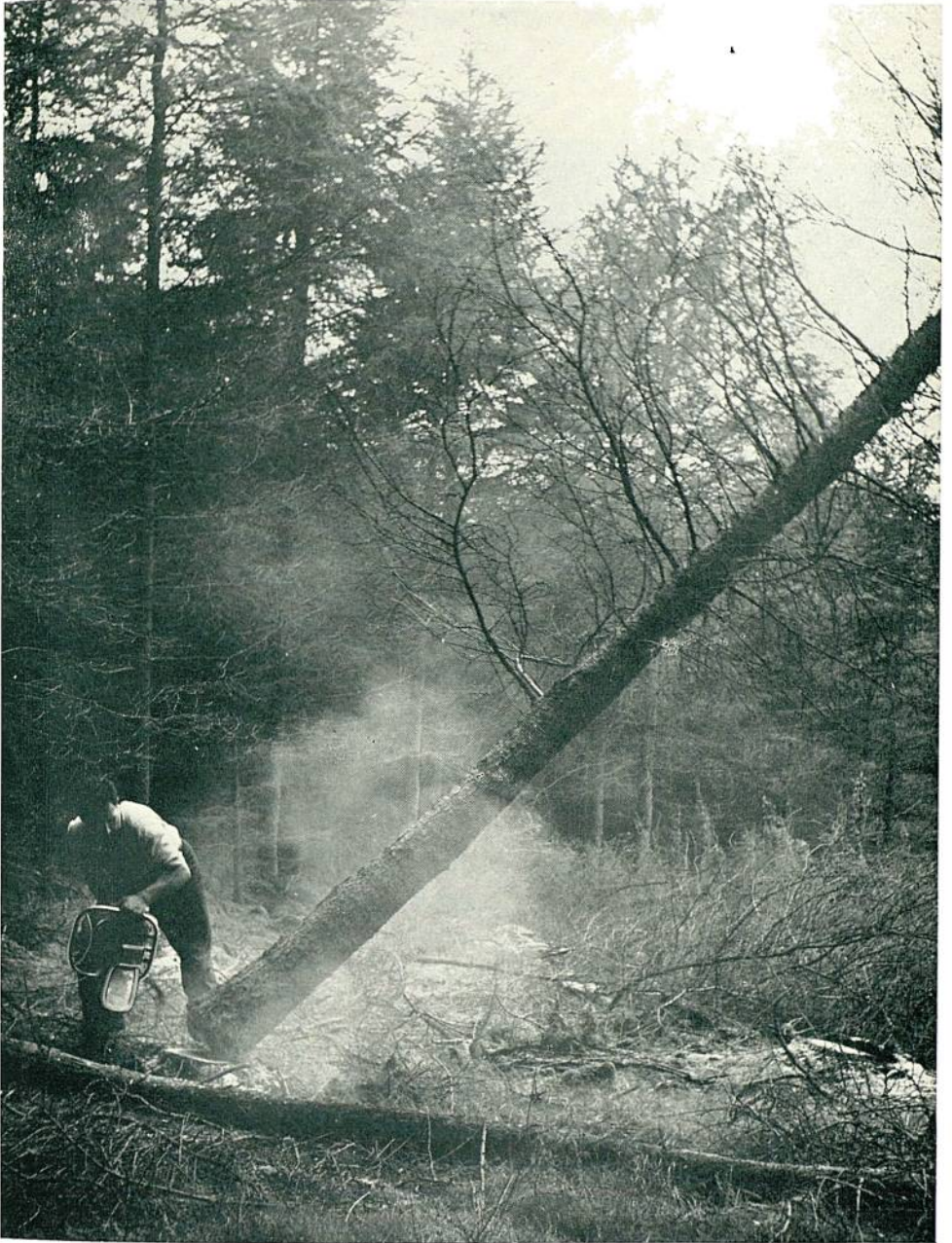


PLATE 1. Felling larch with a power saw.

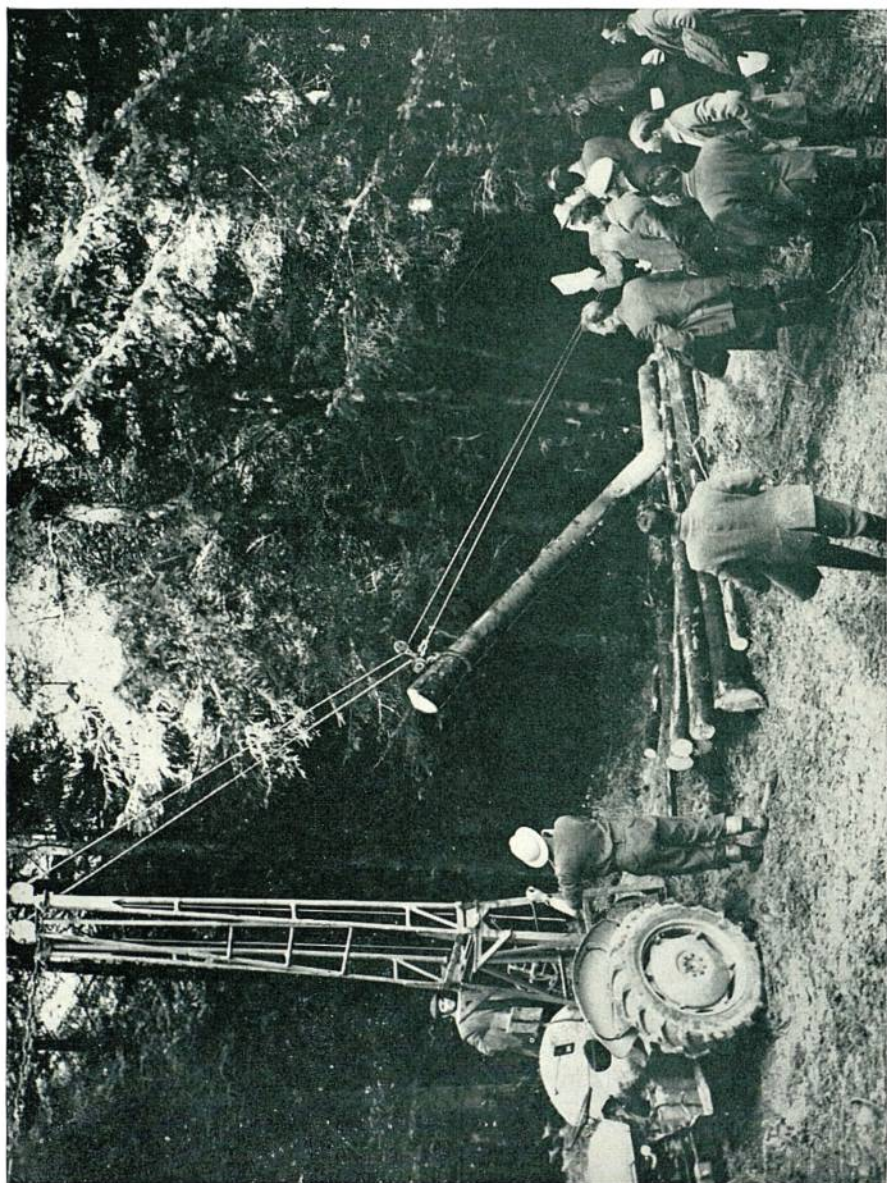


PLATE 2. A demonstration of a double-drum winch extracting timber from a Scottish forest.

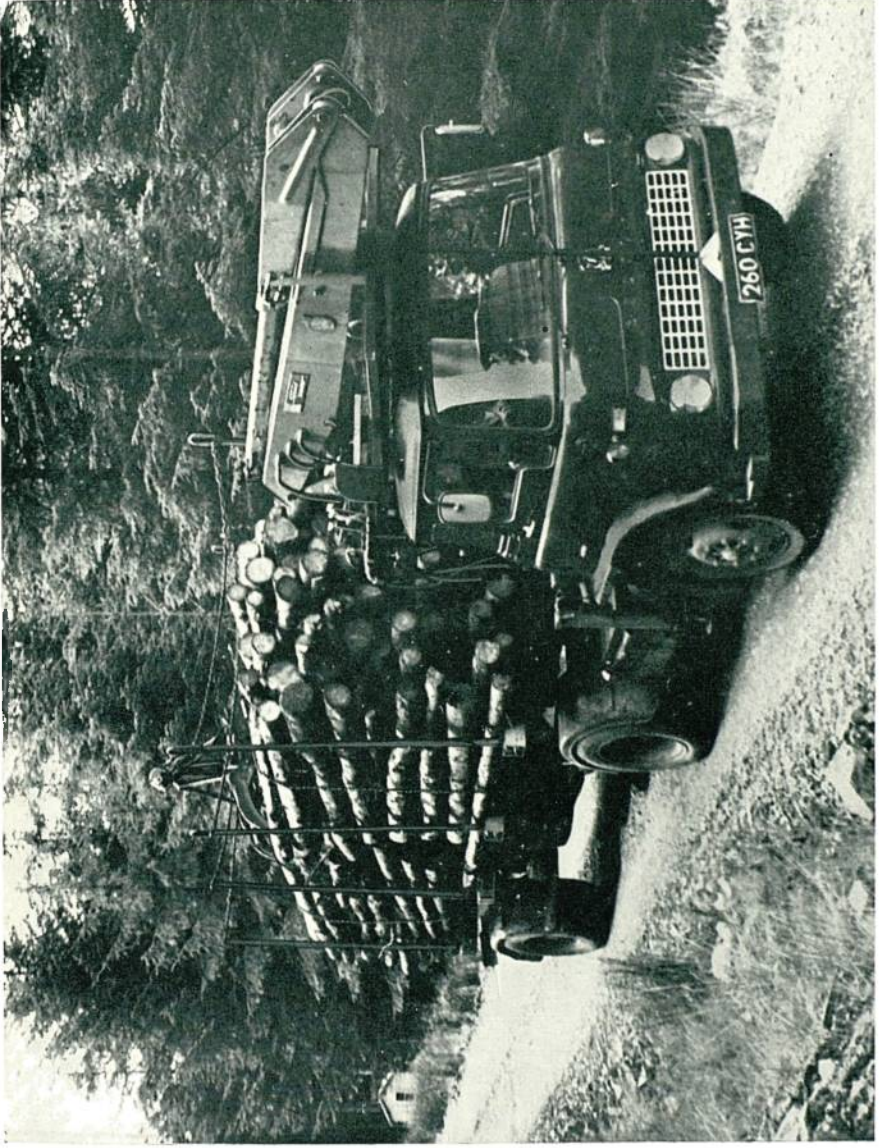


PLATE 3. A timber transporter loaded with pulpwood for papermaking: note the loading equipment.

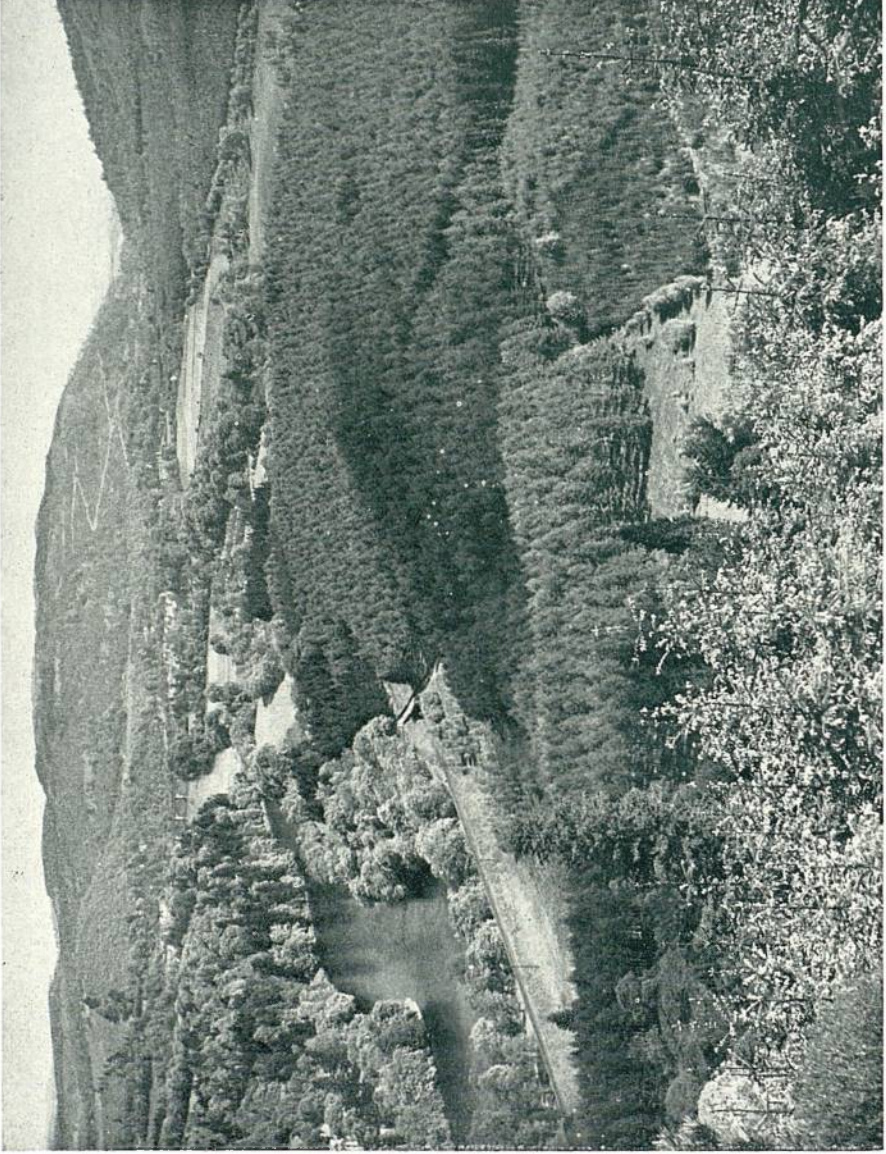


PLATE 4. The wooded valley of the River Tay around Dunkeld in Perthshire. The view includes Craigvinean Forest and the Atholl estate woodlands.

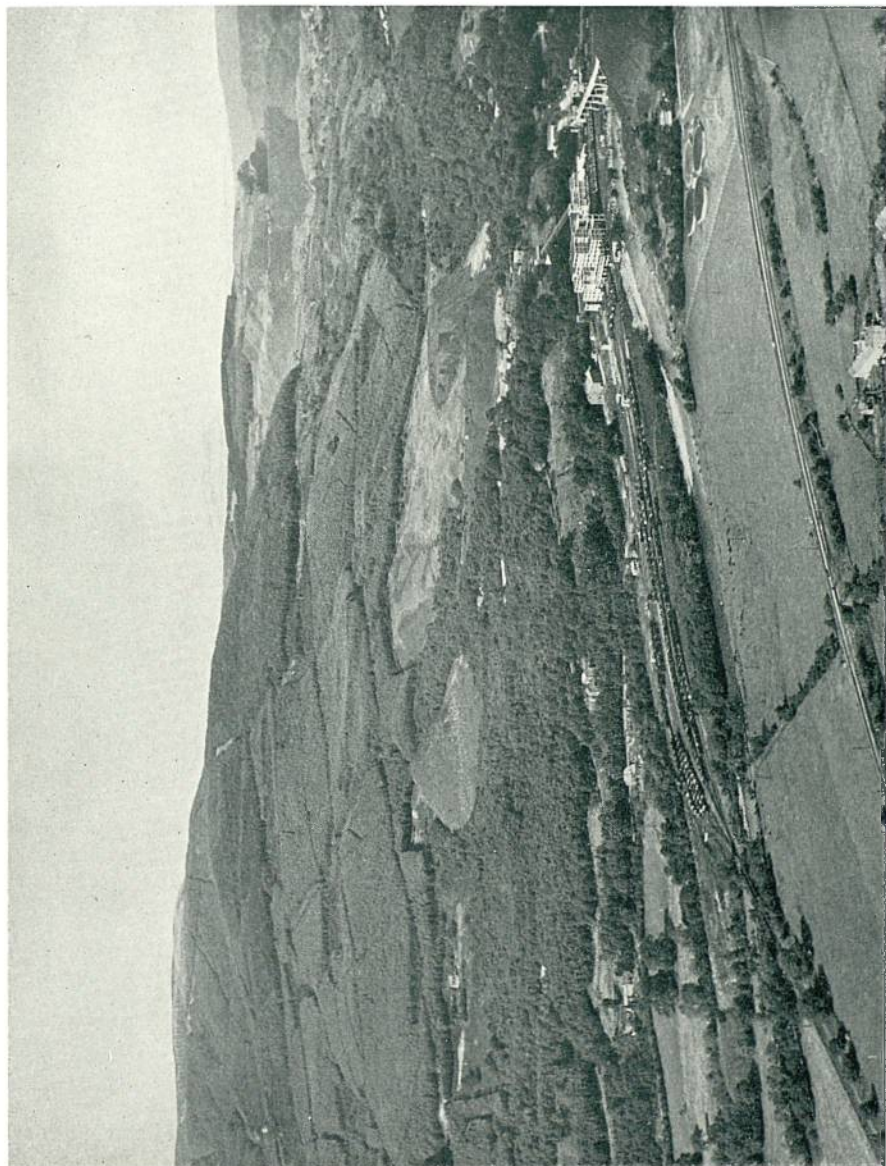


PLATE 5. Coed Morgannwg Forest, South Wales. Forestry in an industrial area showing open-cast coal workings (top right) and colliery buildings (bottom right).



PLATE 6. Part of the exhibit of the Forest Tree Seed Association of England and Wales at both the 1963 Royal Show and the Royal Welsh Show. At the latter Show, the exhibit received a silver medal. Only $1\frac{1}{2}$ ounces of Scots pine seed is needed to plant one acre of forest and this area could yield up to 7,250 cubic feet or 250 tons of wood in 50 years.

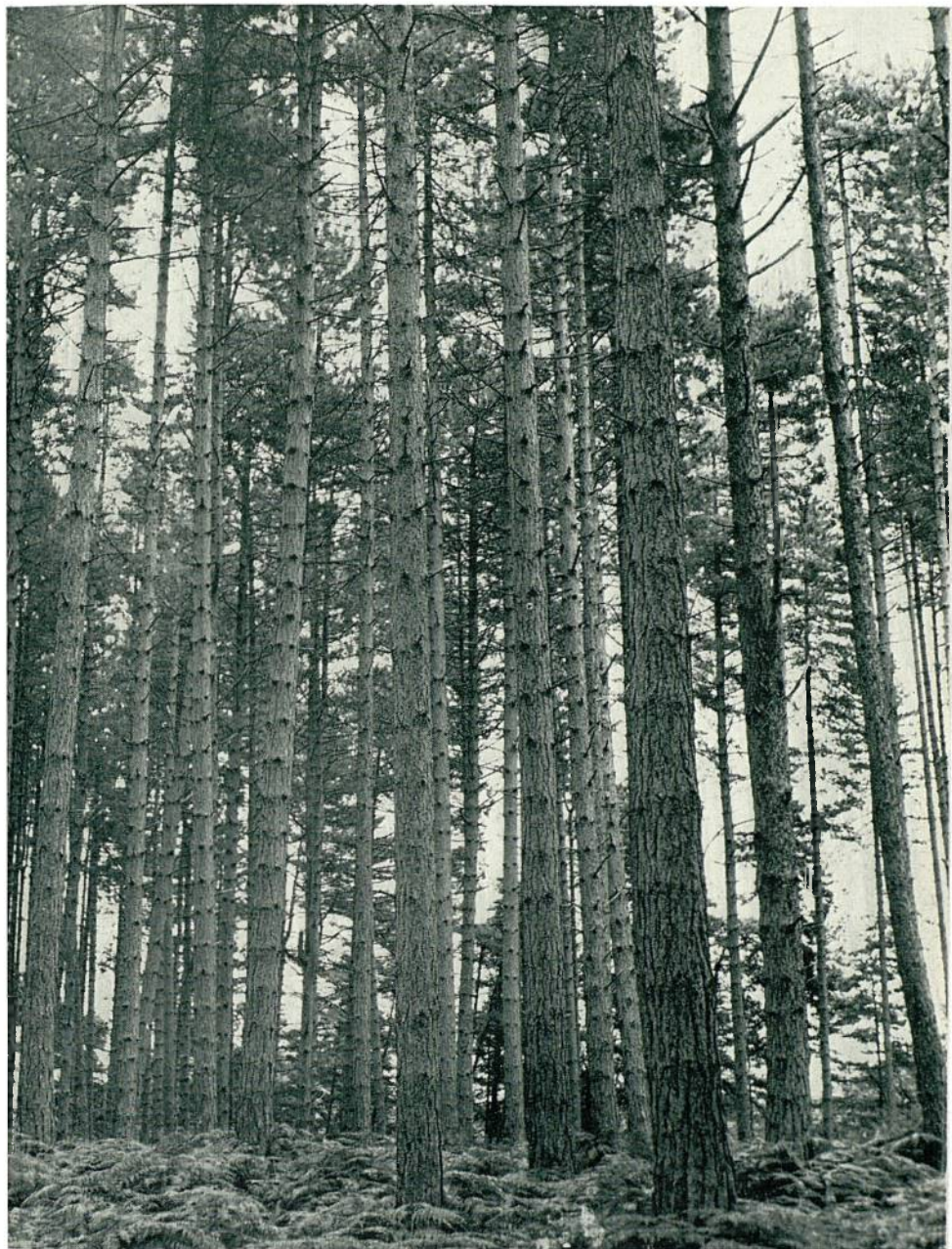


PLATE 7. A sample plot of Corsican pine at Knightwood, New Forest.

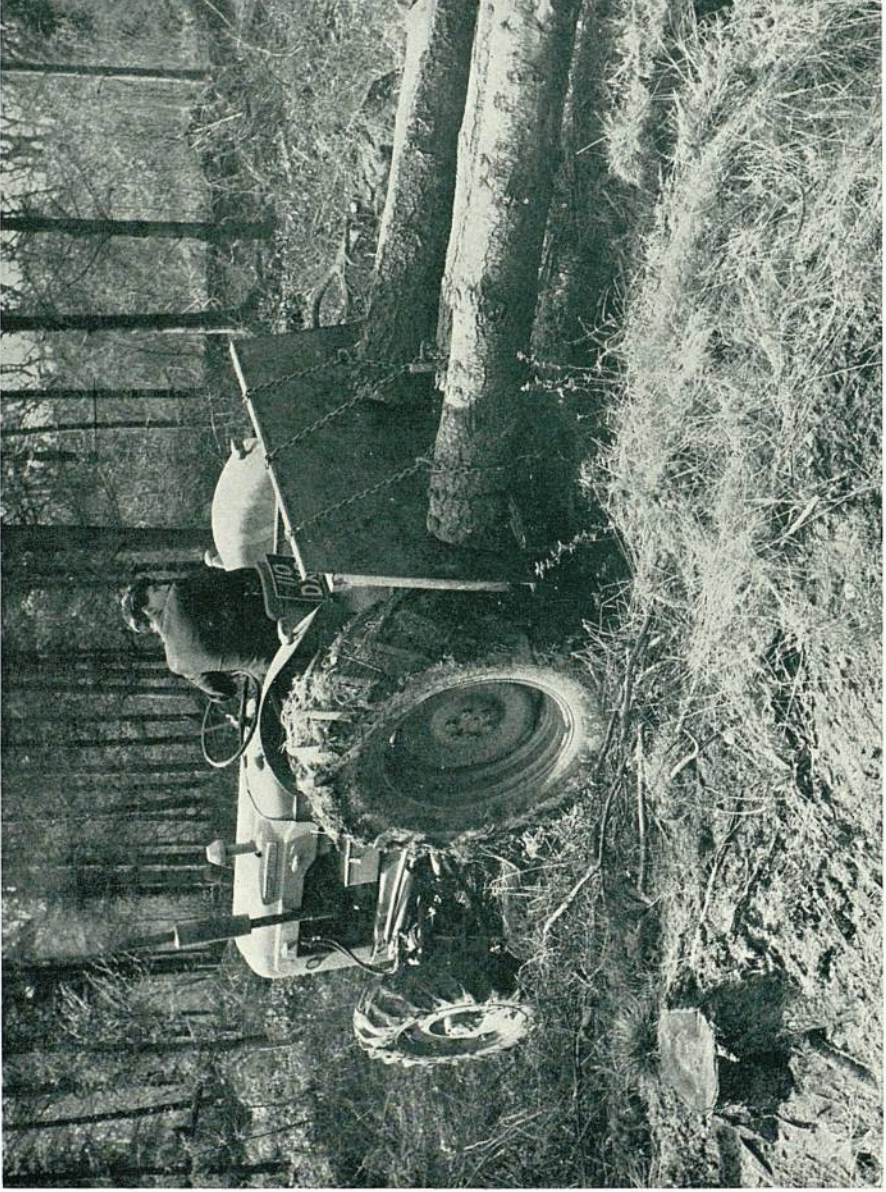


PLATE 8. Drawbar developed by the Forestry Commission to enable a wheeled tractor to draw out logs with the minimum amount of damage to the ground.

CONSTRUCTION OF FOREST ROADS IN THE FOREST YEAR 1963
AND TOTAL MILEAGE

Table 20

Miles

| | Great Britain | England | Scotland | Wales |
|-----------------------------------|---------------|---------|----------|-------|
| Completed to final standard ... | 433 | 134 | 185 | 114 |
| Completed to initial standard ... | 181 | 151 | 10 | 20 |
| Total mileage ... | 7,561 | 3,583 | 2,473 | 1,505 |

PROPERTIES MANAGED BY THE COMMISSION

Table 21

At 30th September, 1963

Number

| | Great Britain | England | Scotland | Wales |
|---|---------------|---------|----------|-------|
| Forest Properties | 5,118 | 1,866 | 2,330 | 922 |
| Foresters' Houses ... | 981 | 447 | 340 | 194 |
| Forest Workers' Houses ... | 2,390 | 817 | 1,271 | 302 |
| Forest Workers' Holdings ... | 956 | 403 | 362 | 191 |
| Miscellaneous ... | 791 | 199 | 357 | 235 |
| Other Properties | 5,500 | 2,167 | 2,214 | 1,119 |
| Farms and other agricultural subjects ... | 2,162 | 749 | 817 | 596 |
| Residential and miscellaneous ... | 1,220 | 540 | 444 | 236 |
| Sporting lettings ... | 2,118 | 878 | 953 | 287 |
| Easements, permissions, etc. ... | 6,105 | 2,939 | 1,845 | 1,321 |

NEW HOUSES COMPLETED IN THE FOREST YEAR AND UNDER CONSTRUCTION

Table 22

At 30th September, 1963

Number

| | Great Britain | England | Scotland | Wales |
|------------------------|---------------|---------|----------|-------|
| Completed ... | 25 | 7 | 9 | 9 |
| Under construction ... | 34 | 8 | 17 | 9 |

PROGRESS OF THE DEDICATION SCHEME FOR PRIVATE ESTATES
IN THE FOREST YEAR 1963

Table 23

| | Great Britain | | England | | Scotland | | Wales | |
|--|---------------|--------------|---------|--------------|----------|--------------|--------|--------------|
| | Number | Area (acres) | Number | Area (acres) | Number | Area (acres) | Number | Area (acres) |
| <i>Schemes completed:</i> | | | | | | | | |
| Total | 2,399 | 760,269 | 1,613 | 411,376 | 548 | 310,233 | 238 | 38,660 |
| At end of previous year (1962) ... | 2,216 | 733,567 | 1,473 | 392,601 | 535 | 304,886 | 208 | 36,080 |
| During year (net)... | 183 | 26,702 | 140 | 18,775 | 13 | 5,347 | 30 | 2,580 |
| <i>Approved or in preparation at end of year</i> | 194 | 37,753 | 124 | 19,878 | 27 | 8,269 | 43 | 9,606 |

PROGRESS OF THE APPROVED WOODLANDS SCHEME FOR PRIVATE ESTATES
IN THE FOREST YEAR 1963

Table 24

| | Great Britain | | England | | Scotland | | Wales | |
|--|---------------|--------------|---------|--------------|----------|--------------|--------|--------------|
| | Number | Area (acres) | Number | Area (acres) | Number | Area (acres) | Number | Area (acres) |
| <i>Schemes completed:</i> | | | | | | | | |
| Total | 643 | 162,357 | 529 | 117,261 | 90 | 40,459 | 24 | 4,637 |
| At end of previous year (1962) ... | 608 | 153,574 | 503 | 110,741 | 84 | 38,825 | 21 | 4,008 |
| During year (net)... | 35 | 8,783 | 26 | 6,520 | 6 | 1,634 | 3 | 629 |
| <i>Approved or in preparation at end of year</i> | 3 | 333 | 3 | 333 | — | — | — | — |

ESTIMATED AREA PLANTED BY PRIVATE OWNERS
IN THE FOREST YEAR 1963

Table 25

Acres

| | Great Britain | England | Scotland | Wales |
|---|---------------|---------|----------|-------|
| Total | 31,881 | 15,945 | 12,476 | 3,460 |
| In Dedicated Woodlands | 22,594 | 10,552 | 9,028 | 3,014 |
| In Approved Woodlands | 3,955 | 2,496 | 1,342 | 117 |
| With Small Woods Planting Grants | 3,220 | 1,912 | 991 | 317 |
| Without Grants (estimated) | 2,112 | 985 | 1,115 | 12 |

VOLUME OF TIMBER LICENSED FOR FELLING AND THINNING
ON PRIVATE ESTATES IN THE FOREST YEAR 1963

Table 26

| | Great Britain | England | Scotland | Wales |
|--|---------------|---------|----------|-------|
| Total Volume (million hoppus feet)... .. | 15.2 | 8.9 | 4.4 | 1.9 |
| Conifer | 7.0 | 2.3 | 3.3 | 1.4 |
| Broadleaved | 8.2 | 6.6 | 1.1 | 0.5 |
| Number of licences issued | 2,446 | 1,902 | 354 | 190 |

AREA LICENSED FOR CLEAR FELLING ON PRIVATE ESTATES
IN THE FOREST YEAR 1963

Table 27

Acres

| | Great Britain | England | Scotland | Wales |
|-------------------------------|---------------|---------|----------|-------|
| Total | 8,985 | 6,330 | 1,790 | 865 |
| Conditional licences | 4,881 | 2,834 | 1,341 | 706 |
| Unconditional licences | 4,104 | 3,496 | 449 | 159 |

LAND USE AND PLANTING BY FORESTS—ENGLAND, 1963

Note:

In Tables 28–30, former Crown Woods are indicated by asterisks, *, and new forests, begun in 1963, by a dagger sign, †.

Table 28

Acres

| | Land use at 30th September, 1963 | | | | Planted in forest year 1963 | | |
|---|----------------------------------|-------------------|---------------|-----------------------------|-----------------------------|------------|-----------|
| | Total | Under plantations | To be planted | Agricultural and other land | Total | Afforested | Replanted |
| NORTH WEST ENGLAND CONSERVANCY: | | | | | | | |
| TOTAL | 122,916 | 90,519 | 15,444 | 16,953 | 2,454 | 1,233 | 1,221 |
| Arden, Warwick & Worcs | 1,287 | 784 | 503 | — | 74 | — | 74 |
| Bagot, Staffs | 1,395 | 1,141 | 254 | — | 63 | — | 63 |
| Bawtry, Notts | 586 | 505 | 21 | 60 | 19 | — | 19 |
| Blengdale, Cumberland ... | 1,283 | 1,203 | 11 | 69 | 12 | — | 12 |
| Bowland, Lancs & Yorks | 943 | 902 | 1 | 40 | 14 | — | 14 |
| Cannock, Staffs | 6,875 | 6,351 | 478 | 46 | 73 | — | 73 |
| Charnwood, Leicester ... | 268 | 268 | — | — | — | — | — |
| Cotgrave, Notts & Leicester | 529 | 502 | 26 | 1 | 10 | 8 | 2 |
| Dalton, Westmorland & Lancs | 1,868 | 1,128 | 649 | 91 | 4 | — | 4 |
| Delamere, Cheshire* ... | 2,393 | 2,285 | 61 | 47 | 63 | — | 63 |
| Dunnerdale, Cumberland and Lancashire | 2,355 | 1,974 | 93 | 288 | 20 | — | 20 |
| Dunsmore, Warwick | 661 | 151 | 510 | — | 30 | — | 30 |
| Ennerdale, Cumberland ... | 8,782 | 3,112 | 618 | 5,052 | 94 | 94 | — |
| Foremark Woods, Derby ... | 571 | 357 | 211 | 3 | 23 | — | 23 |
| Gisburn, Yorks | 3,477 | 3,148 | 228 | 101 | 107 | 107 | — |
| Goyt, Derbyshire and Cheshire | 2,341 | 289 | 1,302 | 750 | 97 | 72 | 25 |
| Greystoke, Cumberland ... | 2,919 | 2,290 | 367 | 262 | 160 | 122 | 38 |
| Grizedale, Lancs | 7,361 | 6,347 | 208 | 806 | 79 | — | 79 |
| Haberley, Salop | 997 | 935 | 42 | 20 | 50 | 11 | 39 |
| Haslingden, Lancs | 935 | 113 | 635 | 187 | 12 | 12 | — |
| Haughmond, Salop | 1,569 | 691 | 848 | 30 | 104 | 58 | 46 |
| Hope, Derby | 2,988 | 856 | 153 | 1,979 | 16 | 15 | 1 |
| Inglewood, Cumberland ... | 1,782 | 1,411 | 317 | 54 | 139 | 90 | 49 |
| Kershope, Cumberland ... | 11,461 | 10,192 | 394 | 875 | 229 | 192 | 37 |
| Kinver, Staffs | 740 | 714 | — | 26 | — | — | — |
| Launde, Leicester & Rut- land | 894 | 339 | 555 | — | 49 | — | 49 |
| Lindale, Lancs & West- morland | 2,925 | 1,299 | 1,100 | 526 | 128 | 42 | 86 |
| Long, Salop ⁽¹⁾ | 1,712 | 1,331 | 318 | 63 | 30 | — | 30 |
| Longtown, Cumberland ... | 672 | 434 | 238 | — | 22 | — | 22 |
| Matlock, Derby | 1,629 | 1,214 | 397 | 18 | 96 | 57 | 39 |
| Miterdale, Cumberland ... | 1,782 | 1,036 | 450 | 296 | 106 | 99 | 7 |
| Mortimer, Hereford & Salop | 8,638 | 8,328 | 38 | 272 | 28 | 4 | 24 |
| Oakamoor, Staffs | 1,168 | 877 | 291 | — | 58 | — | 58 |
| Packington, Warwick & Leicester | 794 | 478 | 316 | — | 36 | — | 36 |
| Sherwood, Derby, Yorks & Notts | 15,610 | 13,520 | 1,483 | 607 | 140 | 35 | 105 |
| Spadeadam, Cumberland ... | 10,287 | 5,135 | 1,794 | 3,358 | 215 | 215 | — |
| Swynerton, Staffs | 2,533 | 2,360 | 160 | 13 | 36 | — | 36 |
| Thornthwaite, Cumberland | 6,322 | 4,964 | 354 | 1,004 | 18 | — | 18 |
| Walcot, Salop | 1,584 | 1,555 | 20 | 9 | — | — | — |

Note: (1) Long—Formerly Long Mynd, and includes Corvedale.

Table 28—continued

Acres

| | Land use at 30th September, 1963 | | | | Planted in forest year 1963 | | |
|--|----------------------------------|-------------------|---------------|-----------------------------|-----------------------------|------------|-----------|
| | Total | Under plantations | To be planted | Agricultural and other land | Total | Afforested | Replanted |
| NORTH EAST ENGLAND CONSERVANCY: | | | | | | | |
| TOTAL | 238,016 | 158,908 | 33,511 | 45,597 | 3,621 | 2,688 | 933 |
| Allendale, Northumberland | 591 | 314 | 273 | 4 | 79 | — | 79 |
| Allerston, Yorks | 36,717 | 25,296 | 6,388 | 5,033 | 598 | 560 | 38 |
| Chillingham, Northumberland | 2,242 | 958 | 1,236 | 48 | 75 | 70 | 5 |
| Chopwell, Durham* | 2,254 | 1,620 | 522 | 112 | 53 | — | 53 |
| Fountains, Yorks | 1,455 | 1,064 | 383 | 8 | 55 | 23 | 32 |
| Hambleton, Yorks | 18,688 | 11,872 | 5,915 | 901 | 670 | 381 | 289 |
| Harnsterley, Durham | 6,515 | 5,576 | 611 | 328 | 104 | 82 | 22 |
| Harwood, Northumberland | 8,427 | 7,755 | 27 | 645 | 81 | 81 | — |
| Jervaulx, Yorks | 2,065 | 1,435 | 626 | 4 | 40 | — | 40 |
| Kidland, Northumberland | 5,547 | 3,193 | 1,729 | 625 | 286 | 246 | 40 |
| Kielder, Northumberland | 72,459 | 46,407 | 4,303 | 21,749 | 477 | 457 | 20 |
| Knaresborough, Yorks | 2,048 | 1,393 | 624 | 31 | 81 | 67 | 14 |
| Redesdale, Northumberland | 14,437 | 12,310 | 6 | 2,121 | 60 | 60 | — |
| Rothbury, Northumberland | 4,611 | 3,639 | 587 | 385 | 169 | 169 | — |
| Selby, Yorks | 1,685 | 1,186 | 483 | 16 | 17 | — | 17 |
| Slaley, Northumberland & Durham | 2,330 | 1,815 | 443 | 72 | — | — | — |
| South Pennines, Yorks | 3,100 | 279 | 2,658 | 163 | 10 | 10 | — |
| South Yorkshire, Yorks | 3,732 | 2,102 | 1,566 | 64 | 101 | — | 101 |
| The Stang, Yorks | 1,599 | 1,103 | 360 | 136 | 5 | — | 5 |
| Wark, Northumberland | 36,351 | 23,790 | 2,989 | 9,572 | 379 | 379 | — |
| Weardale, Durham | 4,393 | 832 | 131 | 3,430 | — | — | — |
| Widehaugh, Northumberland | 70 | — | — | 70 | — | — | — |
| Wolds, Yorks | 2,266 | 1,823 | 421 | 22 | 99 | 39 | 60 |
| Wynyard, Durham | 1,726 | 1,020 | 699 | 7 | 58 | — | 58 |
| York East, Yorks | 1,838 | 1,487 | 302 | 49 | 64 | 64 | — |
| York West, Yorks | 870 | 639 | 229 | 2 | 60 | — | 60 |
| EAST ENGLAND CONSERVANCY: | | | | | | | |
| TOTAL | 117,177 | 99,453 | 10,879 | 6,845 | 1,593 | 230 | 1,363 |
| Aldwood, Suffolk | 9,375 | 8,467 | 94 | 814 | 80 | 14 | 66 |
| Ampthill, Beds | 1,772 | 994 | 598 | 180 | — | — | — |
| Bardney, Lincs | 4,992 | 4,003 | 860 | 129 | 32 | — | 32 |
| Beechwood, Beds & Herts | 876 | 605 | 271 | — | 31 | — | 31 |
| Bernwood, Oxon & Bucks | 2,326 | 1,422 | 899 | 5 | 99 | — | 99 |
| Bramfield, Herts (1) | 1,599 | 1,010 | 567 | 22 | 72 | — | 72 |
| Burwell, Lincs | 761 | 708 | 52 | 1 | — | — | — |
| Chilterns, Bucks, Oxon and Herts | 5,122 | 3,855 | 1,208 | 59 | 225 | — | 225 |
| Ditton, Cambs and Suffolk | 580 | 394 | 186 | — | 8 | — | 8 |
| Hazelborough, Bucks & Northants* | 2,078 | 1,960 | 41 | 77 | 8 | — | 8 |
| Honeywood, Essex | 1,134 | 628 | 491 | 15 | 33 | 5 | 28 |
| Huntingdon, Hunts, Cambs and Beds | 723 | 266 | 456 | 1 | 23 | — | 23 |
| Kesteven, Lincs & Rutland | 5,275 | 4,220 | 813 | 242 | 151 | 2 | 149 |
| The King's Forest, Suffolk | 5,950 | 5,580 | 281 | 89 | 102 | 75 | 27 |
| Laughton, Lincs | 2,237 | 2,168 | 7 | 62 | — | — | — |
| Lavenham, Suffolk | 893 | 631 | 260 | 2 | 43 | — | 43 |
| Lynn, Norfolk | 2,701 | 2,207 | 232 | 262 | 46 | 25 | 21 |

Notes: (1) Bramfield includes Navestock.

Table 28—continued

Acres

| | Land use at 30th September, 1963 | | | | Planted in forest year 1963 | | |
|---|----------------------------------|-------------------|---------------|-----------------------------|-----------------------------|------------|-----------|
| | Total | Under plantations | To be planted | Agricultural and other land | Total | Afforested | Replanted |
| Rockingham, Northants and Rutland (1)... .. | 6,493 | 5,438 | 693 | 362 | 51 | 12 | 39 |
| Salcey, Bucks & Northants* | 1,468 | 1,321 | 135 | 12 | 42 | — | 42 |
| Swaffham, Norfolk | 3,810 | 3,290 | 7 | 513 | 5 | 4 | 1 |
| Thetford Chase, Norfolk & Suffolk | 42,040 | 37,885 | 732 | 3,423 | 287 | 58 | 229 |
| Walden, Essex and Herts... | 1,303 | 838 | 439 | 26 | 62 | — | 62 |
| Wensum, Norfolk | 5,519 | 4,456 | 762 | 301 | 111 | 32 | 79 |
| Whaddon Chase, Bucks | 1,154 | 721 | 429 | 4 | 6 | — | 6 |
| Wigsley, Lincs & Notts | 1,736 | 1,608 | 79 | 49 | 8 | — | 8 |
| Willingham, Lincs | 2,932 | 2,742 | 103 | 87 | 57 | 3 | 54 |
| Yardley Chase, Beds & Northants (1) | 2,328 | 2,036 | 184 | 108 | 11 | — | 11 |
| SOUTH EAST ENGLAND CONSERVANCY: | | | | | | | |
| TOTAL | 64,749 | 50,675 | 10,445 | 3,629 | 2,006 | 240 | 1,766 |
| Abinger, Surrey (2) (4) ... | 2,402 | 1,651 | 564 | 187 | 108 | 10 | 98 |
| Alice Holt, Hants & Surrey* | 2,416 | 2,117 | — | 299 | 47 | — | 47 |
| Alton, Hants | 1,352 | 1,270 | 61 | 21 | 46 | 46 | — |
| Andover, Hants | 1,774 | 1,388 | 237 | 149 | 66 | — | 66 |
| Arundel, Sussex | 2,635 | 2,354 | 189 | 92 | 60 | — | 60 |
| Ashley Hill, Berks | 401 | 392 | — | 9 | 4 | 4 | — |
| Badbury, Berks | 578 | 415 | 163 | — | 20 | — | 20 |
| Basing, Hants | 318 | 243 | 74 | 1 | 10 | — | 10 |
| Bedgebury, Kent & Sussex* | 2,427 | 1,727 | 423 | 277 | 49 | — | 49 |
| Bere, Hants* | 1,978 | 1,505 | 430 | 43 | 51 | — | 51 |
| Bramshill, Berks & Hants | 4,355 | 4,004 | 165 | 186 | 79 | 72 | 7 |
| Brightling, Sussex | 2,115 | 1,483 | 589 | 43 | 109 | 22 | 87 |
| Bucklebury, Berks & Hants | 1,733 | 886 | 832 | 15 | 155 | 22 | 133 |
| Challock, Kent (3) | 4,990 | 4,486 | 467 | 37 | 248 | — | 248 |
| Chiddingfold, Surrey & Sussex (5) | 2,864 | 2,724 | 132 | 8 | 87 | — | 87 |
| Corhampton, Hants | 276 | 223 | 53 | — | 18 | — | 18 |
| Friston, Sussex | 1,986 | 1,649 | 11 | 326 | — | — | — |
| Gravetye, Sussex, Kent & Surrey | 1,119 | 465 | 162 | 492 | 17 | — | 17 |
| Havant, Hants & Sussex... | 1,340 | 708 | 627 | 5 | — | — | — |
| Hemsted, Kent | 1,024 | 889 | 96 | 39 | 19 | — | 19 |
| Hursley, Hants | 4,492 | 3,021 | 775 | 696 | 178 | — | 178 |
| Maresfield, Kent & Sussex | 1,802 | 899 | 884 | 19 | 63 | — | 63 |
| Micheldever, Hants | 3,036 | 2,689 | 284 | 63 | 73 | — | 73 |
| Mildmay, Kent & Surrey | 1,559 | 798 | 753 | 8 | 84 | — | 84 |
| Orlestone, Kent | 1,403 | 1,091 | 308 | 4 | 52 | — | 52 |
| Queen Elizabeth Forest, Hants & Sussex | 3,066 | 2,434 | 485 | 147 | 96 | 23 | 73 |
| Rochester, Kent | 617 | 236 | 358 | 23 | 17 | 5 | 12 |
| Rogate, Sussex | 891 | 621 | 194 | 76 | 38 | 36 | 2 |
| St. Leonards, Sussex | 1,512 | 918 | 538 | 56 | 43 | — | 43 |
| Shippourne, Kent | 470 | 451 | 17 | 2 | — | — | — |
| Slindon, Sussex | 5,030 | 4,353 | 452 | 225 | 67 | — | 67 |

Notes

(1) Rockingham and Yardley Chase each include part of Pytchley.

(2) Abinger includes Effingham.

(3) Challock includes Lyminge.

(4) Abinger includes Winterfold.

(5) Chiddingfold includes Witley.

Table 28—continued

Acres

| | Land use at 30th September, 1963 | | | | Planted in forest year 1963 | | |
|--|----------------------------------|-------------------|---------------|-----------------------------|-----------------------------|------------|--------------|
| | Total | Under plantations | To be planted | Agricultural and other land | Total | Afforested | Replanted |
| Southwater, Sussex ... | 484 | 401 | 76 | 7 | 13 | — | 13 |
| Vinehall, Sussex ... | 1,421 | 1,343 | 46 | 32 | 68 | — | 68 |
| Wilmington, Sussex ... | 881 | 841 | — | 40 | 21 | — | 21 |
| Woking Office Grounds ... | 2 | — | — | 2 | — | — | — |
| SOUTH WEST ENGLAND CONSERVANCY: | | | | | | | |
| TOTAL ... | 88,188 | 67,176 | 16,135 | 4,877 | 1,918 | 324 | 1,594 |
| Bampton, Devon ... | 1,168 | 768 | 397 | 3 | 30 | — | 30 |
| Blandford, Dorset ... | 2,813 | 2,241 | 359 | 213 | 77 | — | 77 |
| Bodmin, Cornwall ... | 6,339 | 4,848 | 1,160 | 331 | 196 | 57 | 139 |
| Bovey, Devon ... | 1,276 | 502 | 745 | 29 | 77 | — | 77 |
| Bradon, Wilts ... | 1,723 | 1,408 | 313 | 2 | 45 | — | 45 |
| Brendon, Somerset ... | 3,146 | 2,545 | 348 | 253 | 42 | 26 | 16 |
| Bristol, Somerset ... | 661 | 566 | 75 | 20 | 24 | — | 24 |
| Charmouth, Dorset & Devon ... | 1,206 | 950 | 213 | 43 | 30 | — | 30 |
| Cotswold, Gloucester ... | 1,643 | 917 | 101 | 625 | 24 | 19 | 5 |
| Cranborne Chase, Dorset & Wilts ... | 1,751 | 1,546 | 188 | 17 | 38 | — | 38 |
| Dartmoor, Devon ... | 3,795 | 3,171 | 14 | 610 | 7 | — | 7 |
| Dymock, Gloucester & Hereford ... | 1,280 | 1,154 | 122 | 4 | 20 | — | 20 |
| Eggesford, Devon ... | 1,207 | 1,147 | 42 | 18 | 23 | — | 23 |
| Exeter, Devon ... | 4,712 | 4,221 | 440 | 51 | 126 | 60 | 66 |
| Halwill, Devon ... | 6,146 | 5,173 | 347 | 626 | 72 | 24 | 48 |
| Hartland, Devon & Corn- wall ... | 2,426 | 2,014 | 374 | 38 | 56 | 26 | 30 |
| Hereford, Hereford & Gloucester ... | 3,319 | 2,018 | 1,296 | 5 | 86 | — | 86 |
| Honiton, Devon and Somerset ... | 2,461 | 1,551 | 890 | 20 | 68 | 27 | 41 |
| Land's End, Cornwall ... | 996 | 559 | 432 | 5 | 27 | 17 | 10 |
| Mendip, Somerset ... | 2,809 | 2,454 | 275 | 80 | 34 | — | 34 |
| Molton Woods, Devon ... | 1,124 | 608 | 504 | 12 | 42 | 2 | 40 |
| Neroche, Somerset ... | 3,051 | 1,630 | 784 | 637 | 47 | 22 | 25 |
| Pershore, Worcs ... | 462 | 289 | 172 | 1 | 20 | — | 20 |
| Plym, Devon ... | 2,418 | 1,952 | 463 | 3 | 67 | — | 67 |
| Poorstock, Dorset & Somerset ... | 2,513 | 1,319 | 1,194 | — | 111 | — | 111 |
| Quantock, Somerset ... | 2,767 | 2,272 | 147 | 348 | 16 | — | 16 |
| Salisbury, Hants & Wilts... | 2,947 | 1,981 | 965 | 1 | 47 | — | 47 |
| Savernake, Wilts & Berks | 6,878 | 5,313 | 1,211 | 354 | 198 | — | 198 |
| Stratton, Cornwall ... | 646 | 322 | 324 | — | 50 | — | 50 |
| Wareham, Dorset... | 8,714 | 6,981 | 1,469 | 264 | 106 | 44 | 62 |
| Westonbirt, Gloucester ... | 423 | 318 | — | 105 | — | — | — |
| Wilsy Down, Cornwall ... | 1,547 | 1,277 | 207 | 63 | 39 | — | 39 |
| Wyre, Worcs & Salop ... | 3,821 | 3,161 | 564 | 96 | 73 | — | 73 |

Table 28—continued

Acres

| | Land use at 30th September, 1963 | | | | Planted in forest year 1963 | | |
|---|----------------------------------|-------------------|---------------|-----------------------------|-----------------------------|------------|-----------|
| | Total | Under plantations | To be planted | Agricultural and other land | Total | Afforested | Replanted |
| NEW FOREST: | | | | | | | |
| TOTAL | 78,317 | 35,964 | 2,135 | 40,218 | 422 | 225 | 197 |
| Brighstone, Isle of Wight... | 1,717 | 1,418 | 109 | 190 | 4 | 4 | — |
| Combley, Isle of Wight ... | 1,031 | 607 | 414 | 10 | 21 | — | 21 |
| New Forest, Hants* ... | 65,730 | 25,839 | 1,124 | 38,767 | 250 | 153 | 97 |
| Osborne, Isle of Wight ... | 241 | 230 | 6 | 5 | — | — | — |
| Parkhurst, Isle of Wight*... | 1,488 | 1,101 | 108 | 279 | 22 | — | 22 |
| Ringwood, Dorset & Hants | 7,467 | 6,254 | 349 | 864 | 111 | 54 | 57 |
| Shalfleet, Isle of Wight ... | 643 | 515 | 25 | 103 | 14 | 14 | — |
| DEAN FOREST: | | | | | | | |
| TOTAL | 27,271 | 22,197 | 1,466 | 3,608 | 514 | 72 | 442 |
| Dean Forest, Gloucester, Hereford & Monmouth* | 25,363 | 20,674 | 1,138 | 3,551 | 506 | 72 | 434 |
| Tidenham Chase, Gloucester | 1,908 | 1,523 | 328 | 57 | 8 | — | 8 |

LAND USE AND PLANTING BY FORESTS—SCOTLAND, 1963

Table 29

Acres

| | Land use at 30th September, 1963 | | | | Planted in forest year 1963 | | |
|---------------------------------------|----------------------------------|-------------------|---------------|-----------------------------|-----------------------------|--------------|--------------|
| | Total | Under plantations | To be planted | Agricultural and other land | Total | Afforested | Replanted |
| NORTH SCOTLAND CONSERVANCY: | | | | | | | |
| TOTAL ... | 514,062 | 175,757 | 40,844 | 297,461 | 9,063 | 6,635 | 2,428 |
| Achnashellach, Ross ... | 4,780 | 1,963 | 469 | 2,348 | 150 | 110 | 40 |
| Affric, Inverness & Ross... | 63,819 | 9,466 | 3,377 | 50,976 | 480 | 325 | 155 |
| Aigas, Inverness ... | 1,715 | 1,201 | 411 | 103 | 103 | 67 | 36 |
| Ardross, Ross ... | 6,640 | 5,685 | 44 | 911 | 70 | — | 70 |
| Assich, Nairn ... | 1,228 | 1,121 | 9 | 98 | 45 | 5 | 40 |
| Balblair, Sutherland & Ross ... | 12,009 | 5,001 | 1,077 | 5,931 | 249 | 189 | 60 |
| Black Isle(!) ... | 15,130 | 13,551 | 147 | 1,432 | 103 | 67 | 36 |
| Boblainy, Inverness ... | 5,041 | 4,115 | 196 | 730 | 47 | 39 | 8 |
| Borgie, Sutherland ... | 2,705 | 1,508 | 201 | 996 | 40 | 40 | — |
| Ceannacroc, Inverness ... | 11,538 | 2,749 | 1,457 | 7,332 | 150 | 50 | 100 |
| Clach Liath, Ross ... | 1,875 | 1,739 | 95 | 41 | 63 | 58 | 5 |
| Clunes, Inverness ... | 7,261 | 2,743 | 1 | 4,517 | 80 | 35 | 45 |
| Craig Phadrig, Inverness... | 211 | 201 | — | 10 | 1 | — | 1 |
| Creag nan Eun, Inverness | 2,139 | 1,494 | 81 | 564 | 40 | — | 40 |
| Culloden, Inverness ... | 2,447 | 2,325 | 99 | 23 | 20 | — | 20 |
| Dornoch, Sutherland ... | 3,361 | 2,472 | 264 | 625 | 200 | 58 | 142 |
| Dunnet, Caithness ... | 862 | 315 | 480 | 67 | — | — | — |
| Eilanreach, Inverness ... | 922 | 805 | 32 | 85 | — | — | — |
| Farigaig, Inverness ... | 7,920 | 3,289 | 1,570 | 3,061 | 210 | — | 210 |
| Ferness, Nairn ... | 2,261 | 1,871 | 4 | 386 | 5 | 4 | 1 |
| Fiunary, Argyll ... | 18,390 | 6,010 | 357 | 12,023 | 250 | 200 | 50 |
| Glen Garry, Inverness ... | 23,526 | 6,089 | 252 | 17,185 | 125 | 125 | — |
| Glen Hurich, Argyll ... | 15,180 | 3,576 | 225 | 11,379 | 101 | 68 | 33 |
| Glen Loy, Inverness ... | 2,608 | 1,893 | 106 | 609 | — | — | — |
| Glen Righ, Inverness ... | 5,843 | 2,762 | 39 | 3,042 | 75 | 75 | — |
| Glen Shiel, Ross ... | 3,651 | 707 | 142 | 2,802 | — | — | — |
| Glen Urquhart, Inverness | 19,421 | 5,692 | 971 | 12,758 | 389 | 171 | 218 |
| Helmsdale, Sutherland ... | 515 | 158 | 321 | 36 | 100 | 100 | — |
| Inchnacardoch, Inverness | 9,545 | 3,323 | 648 | 5,574 | 255 | 255 | — |
| Inshriach, Inverness ... | 11,553 | 5,914 | 1,489 | 4,150 | 467 | 413 | 54 |
| Inverinate, Ross ... | 1,234 | 992 | 30 | 212 | — | — | — |
| Lael, Ross ... | 3,581 | 2,533 | — | 1,048 | — | — | — |
| Leanachan, Inverness ... | 27,053 | 5,784 | 4,090 | 17,179 | 409 | 383 | 26 |
| Morangie, Ross ... | 8,309 | 6,369 | 340 | 1,600 | 210 | 109 | 101 |
| Mull, Argyll ... | 27,904 | 7,503 | 5,727 | 14,674 | 600 | 475 | 125 |
| Naver, Sutherland ... | 17,164 | 2,066 | 2,581 | 12,517 | 347 | 306 | 41 |
| Nevis, Inverness ... | 7,659 | 1,303 | 218 | 6,138 | 102 | 102 | — |
| North Strome, Ross ... | 1,969 | 845 | 55 | 1,069 | 13 | 10 | 3 |
| Oykell, Ross & Sutherland | 4,462 | 3,145 | 572 | 745 | 280 | 273 | 7 |
| Portclair, Inverness ... | 5,545 | 2,428 | 41 | 3,076 | — | — | — |
| The Queen's Forest, Inverness ... | 12,475 | 3,148 | 219 | 9,108 | 124 | 51 | 73 |
| Raasay, Isle of Raasay, Inverness ... | 749 | 580 | 9 | 160 | 10 | 5 | 5 |
| Ratagan, Inverness & Ross | 5,831 | 2,209 | 252 | 3,370 | 128 | 128 | — |
| Rumster, Caithness ... | 3,491 | 1,219 | 457 | 1,815 | 103 | 103 | — |
| Shin, Sutherland ... | 45,460 | 6,442 | 2,657 | 36,361 | 640 | 630 | 10 |
| Skye, Inverness ... | 19,218 | 4,093 | 2,208 | 12,917 | 404 | 374 | 30 |
| Slattadale, Ross ... | 2,149 | 1,322 | 317 | 510 | 72 | 72 | — |

Note

(!) Includes former Findon, Kessock, Kilcoy and Milbuie Forests.

Table 29—continued

Acres

| | Land use at 30th September, 1963 | | | | Planted in forest year 1963 | | |
|--|----------------------------------|-------------------|---------------|-----------------------------|-----------------------------|--------------|--------------|
| | Total | Under plantations | To be planted | Agricultural and other land | Total | Afforested | Replanted |
| South Laggan, Inverness ... | 4,189 | 1,313 | 46 | 2,830 | 75 | 75 | — |
| South Strone, Ross ... | 3,926 | 2,109 | 646 | 1,171 | 300 | 300 | — |
| Strath Conon, Ross ... | 3,150 | 2,436 | 77 | 637 | 48 | — | 48 |
| Strath Dearn, Inverness ... | 8,015 | 3,978 | 395 | 3,642 | 305 | 302 | 3 |
| Strath Mashie, Inverness... | 4,814 | 3,160 | 532 | 1,122 | 352 | 70 | 282 |
| Strath Nairn, Inverness ... | 2,599 | 1,526 | 112 | 961 | 62 | 62 | — |
| Strathy, Sutherland ... | 937 | 332 | 364 | 241 | — | — | — |
| Sunart, Argyll & Inverness | 9,857 | 2,781 | 1,852 | 5,224 | 211 | 91 | 120 |
| Torrachiliv, Ross ... | 18,178 | 6,357 | 2,483 | 9,338 | 450 | 260 | 190 |
| Hoy Experiments, Orkney | 32 | 32 | — | — | — | — | — |
| Lewis Experiments, Isle of Lewis, Ross ... | 16 | 14 | — | 2 | — | — | — |
| EAST SCOTLAND CONSERVANCY: | | | | | | | |
| TOTAL ... | 292,892 | 173,601 | 35,370 | 83,921 | 7,765 | 5,608 | 2,157 |
| Allean, Perth ... | 5,113 | 2,476 | 1,559 | 1,078 | — | — | — |
| Alltcaileach, Aberdeen ... | 3,804 | 3,641 | — | 163 | 1 | — | 1 |
| Aultmore, Banff ... | 6,721 | 2,109 | 3,461 | 1,151 | 422 | 247 | 175 |
| Bennachie, Aberdeen ... | 6,263 | 3,800 | 75 | 2,388 | 188 | 18 | 170 |
| The Bin, Aberdeen & Banff | 8,685 | 7,182 | 735 | 768 | 219 | 17 | 202 |
| Blackcraig, Perth ... | 3,437 | 2,574 | 493 | 370 | 285 | 285 | — |
| Blackhall, Kincardine & Aberdeen ... | 4,864 | 4,231 | 484 | 149 | 355 | — | 355 |
| Blairadam, Fife & Kinross | 2,828 | 2,354 | 369 | 105 | 126 | 103 | 23 |
| Carden, Fife ... | 547 | 538 | — | 9 | — | — | — |
| Clashindarroch, Aberdeen | 17,302 | 12,432 | 753 | 4,117 | 257 | 257 | — |
| Craigvinean, Perth ... | 4,285 | 3,686 | 75 | 524 | 181 | 181 | — |
| Culbin, Moray & Nairn ... | 7,738 | 7,383 | 41 | 314 | 78 | 48 | 30 |
| Cushnie, Aberdeen ... | 3,207 | 900 | 1,334 | 973 | 177 | 169 | 8 |
| Delgaty, Aberdeen & Banff | 2,636 | 2,308 | 310 | 18 | 138 | 7 | 131 |
| Drummond Hill, Perth ... | 6,897 | 5,270 | 97 | 1,530 | 246 | 104 | 142 |
| Drumtochty, Kincardine... | 9,190 | 6,031 | 546 | 2,613 | 345 | 337 | 8 |
| Durris, Aberdeen & Kincardine ... | 6,731 | 5,255 | 892 | 584 | 314 | 312 | 2 |
| Edensmuir, Fife ... | 1,951 | 1,762 | 36 | 153 | 46 | 32 | 14 |
| Elchies, Moray ... | 4,407 | 2,724 | 1,077 | 606 | 382 | 382 | — |
| Faskally, Perth ... | 1,061 | 528 | 408 | 125 | 56 | 55 | 1 |
| Fetteresso, Kincardine ... | 8,198 | 6,602 | 25 | 1,571 | 134 | 91 | 43 |
| Fonab, Perth ... | 2,248 | 1,619 | 87 | 542 | 107 | 36 | 71 |
| Forest of Deer, Aberdeen | 4,270 | 3,170 | 715 | 385 | 264 | 232 | 32 |
| Glendevon, Perth & Kinross ... | 1,032 | 939 | 51 | 42 | 23 | 23 | — |
| Glendoll, Angus ... | 3,713 | 1,276 | 11 | 2,426 | 29 | 29 | — |
| Glenarrochy, Perth ... | 11,979 | 2,598 | 3,242 | 6,139 | 642 | 642 | — |
| Glenisla, Angus & Perth... | 11,326 | 4,510 | 674 | 6,142 | 380 | 376 | 4 |
| Glenlivet, Banff ... | 11,246 | 7,759 | 2,657 | 830 | 373 | 341 | 32 |
| Glenprosen, Angus ... | 8,326 | 961 | 1,804 | 5,561 | 195 | 195 | — |
| Hallyburton, Angus & Perth ... | 2,122 | 2,062 | 11 | 49 | 6 | — | 6 |
| Inglismaldie, Angus & Kincardine ... | 1,710 | 1,684 | — | 26 | 14 | — | 14 |
| Keillour, Perth ... | 2,021 | 1,892 | 53 | 76 | 77 | — | 77 |
| Kemnay, Aberdeen ... | 1,398 | 1,374 | 3 | 21 | 3 | — | 3 |
| Kindrogan, Perth ... | 2,825 | 364 | 2,187 | 274 | 134 | 43 | 91 |
| Kinfauns, Perth ... | 1,119 | 1,115 | — | 4 | — | — | — |
| Kirkhill, Aberdeen ... | 2,963 | 2,826 | 8 | 129 | 37 | — | 37 |

Table 29—continued

Acres

| | Land use at 30th September, 1963 | | | | Planted in forest year 1963 | | |
|--|----------------------------------|-------------------|---------------|-----------------------------|-----------------------------|------------|-----------|
| | Total | Under plantations | To be planted | Agricultural and other land | Total | Afforested | Replanted |
| Ledmore, Perth | 117 | — | — | 117 | — | — | — |
| Lossie, Moray | 1,904 | 1,673 | — | 231 | — | — | — |
| Midmar, Aberdeen | 1,442 | 1,267 | 102 | 73 | — | — | — |
| Monaughty, Moray | 4,253 | 4,019 | 116 | 118 | 136 | — | 136 |
| Montreathmont, Angus | 2,782 | 2,739 | — | 43 | 7 | — | 7 |
| Newton Nursery, Moray... .. | 175 | — | 17 | 158 | — | — | — |
| Newtyle, Moray | 3,820 | 2,752 | 343 | 725 | 1 | — | 1 |
| Pitfichie, Aberdeen | 6,533 | 5,289 | 37 | 1,207 | 32 | 31 | 1 |
| Pitmedden, Fife & Perth... .. | 2,045 | 1,809 | 131 | 105 | 47 | 10 | 37 |
| Rannoch, Perth | 47,452 | 5,857 | 7,784 | 33,811 | 740 | 647 | 93 |
| Rosarie, Banff | 6,233 | 5,555 | 151 | 527 | 33 | 27 | 6 |
| Roseisle, Moray | 2,083 | 2,024 | 2 | 57 | — | — | — |
| Scootmore, Moray | 821 | 820 | — | 1 | 3 | — | 3 |
| Speymouth, Moray & Banff | 11,425 | 10,370 | 481 | 574 | 265 | 161 | 104 |
| Strathord, Perth | 1,622 | 1,581 | 34 | 7 | 15 | — | 15 |
| Teindland, Moray | 3,189 | 2,491 | 414 | 284 | 15 | 9 | 6 |
| Tentsmuir, Fife | 3,936 | 3,626 | 23 | 287 | 42 | — | 42 |
| Tornashean, Aberdeen | 7,489 | 2,585 | 1,462 | 3,442 | 195 | 161 | 34 |
| Whitehaugh, Aberdeen | 1,408 | 1,209 | — | 199 | — | — | — |
| SOUTH SCOTLAND CONSERVANCY: | | | | | | | |
| TOTAL | 294,596 | 164,644 | 47,941 | 82,011 | 9,028 | 8,498 | 530 |
| Forest of Ae, Dumfries | 13,674 | 12,842 | 74 | 758 | 20 | 7 | 13 |
| Arcleoch, Ayr | 4,235 | 2,028 | 1,775 | 482 | 415 | 415 | — |
| Auchenroddan, Dumfries | 730 | 679 | 33 | 18 | 21 | — | 21 |
| Bareagle, Wigton | 4,093 | 1,658 | 2,224 | 211 | 294 | 217 | 77 |
| Brownmoor, Dumfries | 906 | 885 | 8 | 13 | 34 | — | 34 |
| Cairn Edward, Kirkcudbright | 28,604 | 18,410 | 4,442 | 5,752 | 952 | 952 | — |
| Cardrona, Peebles | 1,771 | 1,547 | — | 224 | 34 | 34 | — |
| Carrick, Ayr | 32,945 | 9,513 | 3,475 | 19,957 | 630 | 630 | — |
| Castle O'er, Dumfries & Selkirk | 9,394 | 8,052 | 482 | 860 | 196 | 195 | 1 |
| Changee, Ayr | 3,127 | 1,898 | 416 | 813 | 40 | 40 | — |
| Clydesdale, Lanark | 1,969 | 854 | 916 | 199 | 157 | 156 | 1 |
| Corriedoo, Kirkcudbright | 1,045 | 995 | 1 | 49 | — | — | — |
| Craik, Roxburgh & Selkirk | 5,177 | 4,403 | 250 | 524 | 181 | 178 | 3 |
| Dalbeattie, Kirkcudbright | 6,278 | 5,819 | 31 | 428 | 38 | 8 | 30 |
| Dalmacallan, Dumfries | 3,486 | 2,976 | 370 | 140 | 165 | 145 | 20 |
| Dreva, Peebles | 1,354 | 1,244 | 83 | 27 | 50 | 30 | 20 |
| Dundeugh, Kirkcudbright | 5,966 | 4,840 | 161 | 965 | 99 | 99 | — |
| Duns, Berwick | 1,390 | 1,075 | 301 | 14 | 87 | 65 | 22 |
| Eddleston Water, Peebles | 1,246 | 982 | 177 | 87 | 77 | 68 | 9 |
| Edgarhope, Berwick & Midlothian | 2,018 | 1,375 | 139 | 504 | 40 | — | 40 |
| Elibank & Traquair, Selkirk & Peebles | 6,434 | 4,391 | 747 | 1,296 | 150 | 117 | 33 |
| Fleet, Kirkcudbright | 1,383 | 1,249 | 11 | 123 | — | — | — |
| Garcrogo, Kirkcudbright | 1,914 | 1,618 | — | 296 | — | — | — |
| The Garraries, Kirkcudbright | 10,321 | 2,874 | 3,460 | 3,987 | 376 | 376 | — |
| Glenbreck, Peebles | 6,517 | 250 | 1,536 | 4,731 | 248 | 248 | — |
| Glangap, Kirkcudbright | 2,265 | 2,155 | 26 | 84 | — | — | — |
| Glentress, Peebles... .. | 2,355 | 1,998 | 111 | 246 | 36 | 30 | 6 |
| Glen Trool, Kirkcudbright & Ayr | 51,354 | 19,136 | 7,298 | 24,920 | 1,479 | 1,478 | 1 |

Table 29—continued

Acres

| | Land use at 30th September, 1963 | | | | Planted in forest year 1963 | | |
|--|----------------------------------|-------------------|---------------|-----------------------------|-----------------------------|--------------|------------|
| | Total | Under plantations | To be planted | Agricultural and other land | Total | Afforested | Replanted |
| Greskine, Dumfries ... | 5,109 | 3,089 | 1,766 | 254 | 342 | 298 | 44 |
| Kilgrammie, Ayr ... | 611 | 567 | 38 | 6 | — | — | — |
| Kilsture, Wigtown ... | 2,674 | 1,096 | 1,553 | 25 | 173 | 173 | — |
| Kirroughtree, Kirkcudbright | 11,940 | 7,500 | 1,932 | 2,508 | 452 | 432 | 20 |
| Kyle, Ayr ... | 2,228 | 798 | 1,231 | 199 | 355 | 355 | — |
| Laurieston, Kirkcudbright | 4,575 | 4,424 | — | 151 | 45 | 45 | — |
| Mabie, Kirkcudbright & Dumfries ... | 5,878 | 3,390 | 2,015 | 473 | 160 | 160 | — |
| Moffat Water, Dumfries... | 5,090 | 756 | 2,950 | 1,384 | 87 | 87 | — |
| Newcastleton, Roxburgh & Dumfries ... | 7,754 | 7,236 | 128 | 390 | 407 | 400 | 7 |
| Penninghame, Wigtown ... | 6,851 | 3,844 | 1,563 | 1,444 | 271 | 213 | 58 |
| Saltoun, East Lothian & Midlothian ... | 992 | 545 | 400 | 47 | 48 | — | 48 |
| Selm Muir, Midlothian & West Lothian ... | 1,696 | 1,057 | 564 | 75 | 190 | 190 | — |
| Stenton, East Lothian & Berwick ... | 1,318 | 914 | 339 | 65 | 64 | 42 | 22 |
| Upper Nithsdale, Ayr & Dumfries ... | 3,217 | 1,026 | 1,873 | 318 | 244 | 244 | — |
| Watermeetings, Lanark ... | 3,532 | 1,525 | 489 | 1,518 | 111 | 111 | — |
| Wauchope, Roxburgh ... | 13,498 | 9,109 | 300 | 4,089 | 196 | 196 | — |
| Whitrope, Roxburgh ... | 3,307 | — | 2,025 | 1,282 | — | — | — |
| Yair Hill, Selkirk & Rox- burgh ... | 2,336 | 2,022 | 228 | 86 | 64 | 64 | — |
| Bush Nursery, Midlothian | 9 | — | — | 9 | — | — | — |
| Whittingehame Seed Orchard, East Lothian... | 30 | — | — | 30 | — | — | — |
| WEST SCOTLAND CONSER- VANCY: | | | | | | | |
| TOTAL ... | 351,974 | 145,605 | 42,564 | 163,805 | 7,251 | 6,459 | 792 |
| Achaglachgach, Argyll ... | 6,123 | 2,795 | 1,980 | 1,348 | 302 | 255 | 47 |
| Ardfin, Jura, Argyll ... | 1,507 | 642 | 588 | 277 | 80 | 47 | 33 |
| Ardgartan, Argyll... | 20,929 | 6,862 | 140 | 13,927 | 210 | 210 | — |
| Asknish, Argyll ... | 5,899 | 3,761 | 164 | 1,974 | 118 | 118 | — |
| Barcaldine, Argyll ... | 9,912 | 4,871 | 1,416 | 3,625 | 375 | 375 | — |
| Benmore, Argyll ... | 9,300 | 3,266 | 281 | 5,753 | 32 | 32 | — |
| Black Corries, Argyll & Perth ... | 3,232 | 68 | 2,811 | 353 | — | — | — |
| Carradale, Argyll ... | 10,933 | 5,213 | 64 | 5,656 | 85 | 70 | 15 |
| Carron Valley, Stirling ... | 7,527 | 5,073 | 228 | 2,226 | 197 | 197 | — |
| Corlarach, Argyll... | 3,996 | 2,645 | 29 | 1,322 | 75 | 75 | — |
| Creran, Argyll ... | 4,251 | 1,043 | 1,168 | 2,040 | 340 | 340 | — |
| Cumbernauld, Dunbarton & West Lothian ... | 1,343 | 796 | 411 | 136 | 120 | 96 | 24 |
| Dalmally, Argyll ... | 3,148 | 1,661 | 1,294 | 193 | 240 | 240 | — |
| Devilla, Fife & Clack- mannan ... | 3,614 | 3,124 | 297 | 193 | 76 | — | 76 |
| Fearnoch, Argyll ... | 2,445 | 1,339 | 1,073 | 33 | 1 | — | 1 |
| Garadhban, Stirling & Dunbarton ... | 1,392 | 1,297 | 44 | 51 | 22 | — | 22 |
| Garelochhead, Dunbarton | 3,201 | 1,127 | 1,386 | 688 | 83 | 30 | 53 |
| Garshelloch, Stirling ... | 787 | 717 | 70 | — | 94 | — | 94 |
| Glenbranter, Argyll ... | 9,073 | 4,192 | 103 | 4,778 | 175 | 175 | — |
| Glencoe, Argyll ... | 3,083 | 473 | 925 | 1,685 | 150 | 150 | — |

Table 29—continued

Acres

| | Land use at 30th September, 1963 | | | | Planted in forest year 1963 | | |
|------------------------------------|----------------------------------|-------------------|---------------|-----------------------------|-----------------------------|------------|-----------|
| | Total | Under plantations | To be planted | Agricultural and other land | Total | Afforested | Replanted |
| Glendaruel, Argyll ... | 7,973 | 2,854 | 435 | 4,684 | 218 | 218 | — |
| Glendochart, Perth ... | 5,793 | 680 | 413 | 4,700 | 253 | 153 | 100 |
| Glenduror, Argyll ... | 7,914 | 2,928 | 172 | 4,814 | 31 | 31 | — |
| Glenfinar, Argyll ... | 8,712 | 3,242 | 5 | 5,465 | 14 | 14 | — |
| Glenorchy, Argyll ... | 2,681 | 718 | 1,505 | 458 | — | — | — |
| Glenrickard, Arran, Bute-shire ... | 13,998 | 3,087 | 5,462 | 5,449 | 580 | 541 | 39 |
| Inverinan, Argyll ... | 17,846 | 6,815 | 1,916 | 9,115 | 458 | 458 | — |
| Inverliever, Argyll* | 25,592 | 6,923 | 861 | 17,808 | 122 | 82 | 40 |
| Kilennan, Islay, Argyll ... | 1,415 | 294 | 866 | 255 | 104 | 104 | — |
| Kilmartin, Argyll ... | 2,116 | 1,889 | 155 | 72 | 224 | 204 | 20 |
| Kilmichael, Argyll ... | 10,078 | 5,354 | 1 | 4,723 | — | — | — |
| Kilmory, Argyll ... | 4,205 | 3,120 | 116 | 969 | 31 | 12 | 19 |
| Knappdale, Argyll ... | 20,997 | 7,676 | 200 | 13,121 | 294 | 294 | — |
| Leapmoor, Renfrew ... | 1,465 | 417 | 974 | 74 | 83 | 60 | 23 |
| Lennox, Stirling & Dunbarton ... | 829 | 776 | 6 | 47 | 9 | — | 9 |
| Loch Ard, Perth & Stirling | 35,230 | 21,160 | 1,607 | 12,463 | 693 | 643 | 50 |
| Loch Eck, Argyll ... | 5,501 | 2,393 | 25 | 3,083 | — | — | — |
| Loch Etive, Argyll ... | 7,768 | 962 | 3,627 | 3,179 | 242 | 242 | — |
| Minard, Argyll ... | 5,327 | 3,776 | 26 | 1,525 | — | — | — |
| Rowardennan, Stirling ... | 9,468 | 2,630 | 731 | 6,107 | 106 | 86 | 20 |
| Saddell, Argyll ... | 4,917 | 1,528 | 10 | 3,379 | 10 | 10 | — |
| St. Fillans, Perth ... | 3,946 | 1,851 | 985 | 1,110 | 153 | 82 | 71 |
| South Kintyre, Argyll ... | 5,979 | 1,196 | 2,910 | 1,873 | 444 | 444 | — |
| Strathlachlan, Argyll ... | 7,615 | 2,743 | 266 | 4,606 | — | — | — |
| Strathyre, Perth ... | 10,679 | 6,451 | 20 | 4,208 | 31 | 13 | 18 |
| Tighnabruaich, Argyll ... | 8,853 | 1,814 | 3,081 | 3,958 | 263 | 255 | 8 |
| Torrie, Perth ... | 1,157 | 1,125 | 6 | 26 | 10 | — | 10 |
| Tulliallan Nursery, Fife ... | 112 | — | — | 112 | — | — | — |
| Whitelee, Ayr ... | 2,113 | 238 | 1,711 | 164 | 103 | 103 | — |

LAND USE AND PLANTING BY FORESTS—WALES, 1963

Table 30

Acres

| | Land use at 30th September, 1963 | | | | Planted in forest year 1963 | | |
|--|----------------------------------|-------------------|---------------|-----------------------------|-----------------------------|------------|-----------|
| | Total | Under plantations | To be planted | Agricultural and other land | Total | Afforested | Replanted |
| NORTH WALES | | | | | | | |
| CONSERVANCY: | | | | | | | |
| TOTAL | 187,211 | 138,141 | 13,872 | 35,198 | 4,371 | 3,037 | 1,334 |
| Aberhiraunt, Merioneth ... | 6,885 | 3,541 | 111 | 3,233 | 9 | 1 | 8 |
| Aeron, Cardigan ... | 3,943 | 3,293 | 483 | 167 | 319 | 190 | 129 |
| Arfon, Caernarvon ... | 890 | 386 | 323 | 181 | 19 | — | 19 |
| Bechan, Montgomery ... | 755 | 733 | 12 | 10 | 16 | — | 16 |
| Beddgelert, Caernarvon ... | 3,747 | 2,286 | 444 | 1,017 | 127 | 115 | 12 |
| Breidden, Montgomery & Salop | 763 | 650 | 41 | 72 | 46 | 15 | 31 |
| Carno, Montgomery ... | 1,098 | 1,047 | 8 | 43 | 1 | — | 1 |
| Ceiriog, Denbigh ... | 1,674 | 1,453 | 179 | 42 | 18 | 6 | 12 |
| Clocaenog, Denbigh & Merioneth ... | 17,391 | 14,146 | 1,103 | 2,142 | 546 | 483 | 63 |
| Clwyd, Denbigh & Flint ... | 2,335 | 1,730 | 246 | 359 | 158 | 156 | 2 |
| Coed Sarnau, Radnor ... | 7,340 | 5,493 | 1,126 | 721 | 260 | 260 | — |
| Coed y Brenin, Merioneth | 19,083 | 13,243 | 670 | 5,170 | 363 | 291 | 72 |
| Cynwyd, Merioneth ... | 1,937 | 1,628 | 134 | 175 | 100 | 3 | 97 |
| Deudraeth, Merioneth ... | 3,195 | 1,753 | 664 | 778 | 196 | 59 | 137 |
| Dovey, Merioneth & Montgomery | 21,413 | 17,151 | 875 | 3,387 | 397 | 318 | 79 |
| Dyfnant, Montgomery ... | 7,157 | 4,853 | 26 | 2,278 | 57 | 15 | 42 |
| Edw, Radnor ... | 622 | 618 | 1 | 3 | 61 | 1 | 60 |
| Elwy, Denbigh & Flint (1) | 2,682 | 2,344 | 227 | 111 | 101 | 87 | 14 |
| Goror, Denbigh & Salop | 1,044 | 919 | 81 | 44 | 51 | 3 | 48 |
| Gwydyr, Caernarvon & Denbigh | 20,054 | 12,923 | 1,537 | 5,594 | 221 | 105 | 116 |
| Hafren, Montgomery ... | 10,718 | 8,693 | 264 | 1,761 | 106 | 106 | — |
| Kerry, Montgomery, Salop & Radnor | 2,793 | 2,714 | 44 | 35 | 24 | — | 24 |
| Llambod, Cardigan & Carmarthen | 1,803 | 1,734 | 31 | 38 | 41 | 8 | 33 |
| Llangollen, Denbigh ... | 1,177 | 1,093 | 73 | 11 | 20 | 10 | 10 |
| Llyn, Caernarvon ... | 2,619 | 1,555 | 783 | 281 | 157 | 123 | 34 |
| Maelor, Denbigh, Flint & Salop | 561 | 426 | 73 | 62 | 47 | — | 47 |
| Mathrafal, Montgomery & Salop | 2,946 | 2,256 | 616 | 74 | 93 | 81 | 12 |
| Môn, Anglesey ... | 3,915 | 3,008 | 163 | 744 | 79 | 26 | 53 |
| Myherin, Cardigan ... | 6,150 | 3,711 | 60 | 2,379 | 8 | 8 | — |
| Penllyn, Merioneth (2) ... | 2,572 | 2,152 | 159 | 261 | 38 | 2 | 36 |
| Radnor, Radnor & Hereford | 5,892 | 5,455 | 88 | 349 | 44 | 14 | 30 |
| Rheidol, Cardigan ... | 4,333 | 3,035 | 926 | 372 | 68 | 51 | 17 |
| Taliesin, Cardigan & Montgomery | 6,682 | 2,794 | 2,000 | 1,888 | — | — | — |
| Tanat, Montgomery & Denbigh | 849 | 753 | 85 | 11 | — | — | — |
| Tarenig, Cardigan & Montgomery | 5,210 | 4,038 | 178 | 994 | 437 | 421 | 16 |
| Ystwyth, Cardigan ... | 4,979 | 4,534 | 38 | 407 | 143 | 79 | 64 |
| Chirk Depot, Denbigh ... | 4 | — | — | 4 | — | — | — |

Notes (1) Includes the former Halcyn Forest.
 (2) Includes the former Glanllyn Forest.

Table 30—continued

Acres

| | Land use at 30th September, 1963 | | | | Planted in forest year 1963 | | |
|---|----------------------------------|-------------------|---------------|-----------------------------|-----------------------------|------------|-----------|
| | Total | Under plantations | To be planted | Agricultural and other land | Total | Afforested | Replanted |
| SOUTH WALES | | | | | | | |
| CONSERVANCY: | | | | | | | |
| TOTAL | 175,486 | 126,715 | 31,875 | 16,896 | 5,590 | 4,083 | 1,507 |
| Bannau, Brecon | 5,689 | 4,228 | 753 | 708 | 264 | 264 | — |
| Brechfa, Carmarthen | 16,122 | 13,655 | 1,067 | 1,400 | 125 | 32 | 93 |
| Brecon, Brecon | 2,115 | 1,891 | 115 | 109 | 49 | 49 | — |
| Caeo, Carmarthen | 4,740 | 4,153 | 94 | 493 | 22 | 12 | 10 |
| Chepstow, Monmouth | 2,549 | 1,743 | 797 | 9 | 54 | — | 54 |
| Cilgwyn, Carmarthen | 1,336 | 1,241 | 82 | 13 | 9 | — | 9 |
| Coed Caerdydd, Glamorgan | 1,349 | 894 | 435 | 20 | 97 | — | 97 |
| Coed Morgannwg, Glamorgan | 42,008 | 31,243 | 6,304 | 4,461 | 1,317 | 1,078 | 239 |
| Coed y Rhaiadr, Brecon | 3,416 | 2,474 | 766 | 176 | 225 | 225 | — |
| Conwil Elvet, Carmarthen | 1,063 | 869 | 191 | 3 | 126 | 49 | 77 |
| Crychan, Brecon & Carmarthen | 9,384 | 8,611 | 282 | 491 | — | — | — |
| Draethen, Glamorgan & Monmouth | 1,569 | 761 | 805 | 3 | 46 | 5 | 41 |
| Ebbw, Monmouth | 9,014 | 6,556 | 1,782 | 676 | 277 | 24 | 253 |
| Gamrhiw, Brecon | 1,218 | 998 | 180 | 40 | 67 | 67 | — |
| Giedd, Brecon | 841 | 773 | — | 68 | 36 | 36 | — |
| Glasfynydd, Brecon & Carmarthen | 3,583 | 3,361 | 107 | 115 | 18 | — | 18 |
| Gower, Glamorgan | 1,122 | 586 | 527 | 9 | 38 | — | 38 |
| Goytre, Monmouth | 967 | 691 | 270 | 6 | 35 | 4 | 31 |
| Gwendraeth, Carmarthen | 633 | 593 | 14 | 26 | 39 | 9 | 30 |
| Hay, Brecon, Hereford & Radnor | 1,913 | 1,527 | 302 | 84 | 28 | 28 | — |
| Irfon, Brecon | 4,845 | 2,576 | 1,608 | 661 | 210 | 210 | — |
| Llanddowror, Carmarthen | 2,034 | 1,426 | 599 | 9 | 119 | 3 | 116 |
| Llandeilo, Carmarthen | 1,134 | 1,035 | — | 99 | 7 | 7 | — |
| Llantrisant, Glamorgan | 1,331 | 857 | 408 | 66 | 122 | 116 | 6 |
| Monmouth, Monmouth | 1,697 | 1,103 | 592 | 2 | 108 | — | 108 |
| Mynydd Ddu, Brecon & Monmouth | 3,547 | 2,878 | 239 | 430 | 98 | 78 | 20 |
| Pembrey, Carmarthen | 4,690 | 2,162 | 431 | 2,097 | 61 | 61 | — |
| Penllergaer, Glamorgan | 693 | 590 | 63 | 40 | 38 | — | 38 |
| Preseli, Pembroke & Carmarthen | 1,410 | 998 | 323 | 89 | — | — | — |
| Rhondda, Glamorgan | 2,143 | 656 | 1,321 | 166 | 244 | 244 | — |
| St. Gwynno, Glamorgan | 7,422 | 5,242 | 1,440 | 740 | 371 | 301 | 70 |
| Slebech, Pembroke | 2,083 | 1,769 | 231 | 83 | 21 | — | 21 |
| Tair Onen, Glamorgan | 1,205 | 806 | 227 | 172 | 21 | — | 21 |
| Talybont, Brecon | 3,863 | 3,267 | 455 | 141 | 138 | 116 | 22 |
| Teifi, Carmarthen, Cardigan and Pembroke | 1,142 | 1,066 | 69 | 7 | 13 | — | 13 |
| Tintern, Monmouth | 5,208 | 4,794 | 194 | 220 | 29 | 11 | 18 |
| Towy, Cardigan, Brecon & Carmarthen | 16,518 | 5,713 | 7,908 | 2,897 | 899 | 899 | — |
| Tŷ Ddewi, Pembroke | 1,251 | 811 | 415 | 25 | 167 | 155 | 12 |
| Wentwood, Monmouth | 2,639 | 2,118 | 479 | 42 | 52 | — | 52 |

Table 31
ENGLAND

Main statistics for the year ended 30th September, 1963

FORESTRY COMMISSION

LAND USE AT THE END OF THE YEAR

| | <i>Acres</i> |
|-----------------------------------|--------------|
| Total area ... | 736,634 |
| Forest land: Total ... | 614,907 |
| Acquired plantations | 50,423 |
| Planted by Forestry Commission | 474,469 |
| To be planted | 90,015 |
| Other land: Total | 121,727 |
| Nurseries | 725 |
| Agricultural and grazing | 44,015 |
| Forest Workers' Holdings ... | 4,894 |
| Unplantable and miscellaneous ... | 72,093 |

FOREST LAND ACQUIRED IN THE YEAR

| | <i>Acres</i> |
|-----------------------------------|--------------|
| Total area | 2,080 |
| Standing woods | 239 |
| Bare land for afforestation ... | 363 |
| Former woodland for replanting... | 1,478 |

PLANTING IN THE YEAR

| | <i>Acres</i> |
|----------------|--------------|
| Total area | 12,528 |
| Afforested ... | 5,012 |
| Replanted ... | 7,516 |

AREAS OF PLANTATIONS AND VOLUMES OF TIMBER THINNED
AND FELLED IN THE YEAR

| | <i>Area (acres)</i> | <i>Volume (million hoppus feet)</i> |
|-----------|-------------------------|---|
| Total ... | — | 10.30 |
| Felled | 2,348 | 3.82 |
| Thinned | 16,652 | 6.48 |

CONSTRUCTION AND MAINTENANCE OF ROADS

| | <i>Miles</i> |
|-----------------------------------|--------------|
| Completed to final standard ... | 134 |
| Completed to initial standard ... | 151 |
| Total mileage | 3,583 |

EMPLOYMENT

Number of forest workers employed at end of year: 4,607 (including 133 part-time workers).

Table 31—continued

ENGLAND

Main statistics for the year ended 30th September, 1963

| PRIVATE FORESTRY | | | |
|---|--|---------------|-------------------------|
| PROGRESS OF THE DEDICATION SCHEME | | <i>Number</i> | <i>Area (acres)</i> |
| Total schemes completed to date | | 1,613 | 411,376 |
| Schemes completed during year (net) | | 140 | 18,775 |
| Schemes approved or in preparation at end of year | | 124 | 19,878 |
| PROGRESS OF THE APPROVED WOODLANDS SCHEME | | <i>Number</i> | <i>Area (acres)</i> |
| Total schemes completed to date | | 529 | 117,261 |
| Schemes completed during year (net) | | 26 | 6,520 |
| Schemes approved or in preparation at end of year | | 3 | 333 |
| ESTIMATED AREA PLANTED BY PRIVATE OWNERS IN THE YEAR | | | <i>Acres</i> |
| Total area | | | 15,945 |
| In Dedicated Woodlands | | | 10,552 |
| In Approved Woodlands | | | 2,496 |
| With Small Woods Planting Grants | | | 1,912 |
| Without Grants (estimated) | | | 985 |

Table 32
SCOTLAND

Main statistics for the year ended 30th September, 1963

FORESTRY COMMISSION

LAND USE AT THE END OF THE YEAR

| | <i>Acres</i> |
|----------------------------------|--------------|
| Total area | 1,453,524 |
| Forest land: Total | 826,326 |
| Acquired plantations | 24,882 |
| Planted by Forestry Commission | 634,725 |
| To be planted | 166,719 |
| Other land: Total | 627,198 |
| Nurseries | 785 |
| Agricultural and grazing | 373,375 |
| Forest Workers' Holdings | 6,534 |
| Unplatable and miscellaneous ... | 246,504 |

FOREST LAND ACQUIRED IN THE YEAR

| | <i>Acres</i> |
|-----------------------------------|--------------|
| Total area | 11,681 |
| Standing woods | 48 |
| Bare land for afforestation ... | 10,760 |
| Former woodland for replanting... | 873 |

PLANTING IN THE YEAR

| | <i>Acres</i> |
|-------------------|--------------|
| Total area | 33,107 |
| Afforested | 27,200 |
| Replanted | 5,907 |

AREAS OF PLANTATIONS AND VOLUMES OF TIMBER THINNED
AND FELLED IN THE YEAR

| | <i>Area (acres)</i> | <i>Volume (million hoppus feet)</i> |
|----------------|-------------------------|---|
| Total | — | 6·97 |
| Felled | 379 | ·96 |
| Thinned | 16,400 | 6·01 |

CONSTRUCTION AND MAINTENANCE OF ROADS

| | <i>Miles</i> |
|-----------------------------------|--------------|
| Completed to final standard ... | 185 |
| Completed to initial standard ... | 10 |
| Total mileage | 2,473 |

EMPLOYMENT

Number of forest workers employed at end of year: 3,916 (including 53 part-time workers).

Table 32—*continued*

SCOTLAND

Main statistics for the year ended 30th September, 1963

PRIVATE FORESTRY

PROGRESS OF THE DEDICATION SCHEME

| | <i>Number</i> | <i>Area (acres)</i> |
|---|---------------|-------------------------|
| Total schemes completed to date | 548 | 310,233 |
| Schemes completed during year (net) | 13 | 5,347 |
| Schemes approved or in preparation at end of year | 27 | 8,269 |

PROGRESS OF THE APPROVED WOODLANDS SCHEME

| | <i>Number</i> | <i>Area (acres)</i> |
|---|---------------|-------------------------|
| Total schemes completed to date | 90 | 40,459 |
| Schemes completed during year (net) | 6 | 1,634 |
| Schemes approved or in preparation at end of year | — | — |

ESTIMATED AREA PLANTED BY PRIVATE OWNERS IN THE YEAR

| | <i>Acres</i> |
|-----------------------------------|--------------|
| Total area | 12,476 |
| In Dedicated Woodlands | 9,028 |
| In Approved Woodlands | 1,342 |
| With Small Woods Planting Grants | 991 |
| Without Grants (estimated) | 1,115 |

Table 33

WALES

Main statistics for the year ended 30th September, 1963

FORESTRY COMMISSION

LAND USE AT THE END OF THE YEAR

| | <i>Acres</i> |
|--------------------------------------|--------------|
| Total area | 362,697 |
| Forest land: Total | 310,603 |
| Acquired plantations | 5,831 |
| Planted by Forestry Commission | 259,025 |
| To be planted | 45,747 |
| Other land: Total | 52,094 |
| Nurseries | 347 |
| Agricultural and grazing | 34,995 |
| Forest Workers' Holdings | 4,600 |
| Unplantable and miscellaneous | 12,152 |

FOREST LAND ACQUIRED IN THE YEAR

| | <i>Acres</i> |
|------------------------------------|--------------|
| Total area | 3,091 |
| Standing woods | 86 |
| Bare land for afforestation | 2,049 |
| Former woodland for replanting | 956 |

PLANTING IN THE YEAR

| | <i>Acres</i> |
|-------------------|--------------|
| Total area | 9,961 |
| Afforested | 7,120 |
| Replanted | 2,841 |

AREAS OF PLANTATIONS AND VOLUMES OF TIMBER THINNED
AND FELLED IN THE YEAR

| | <i>Area (acres)</i> | <i>Volume (million hoppus feet)</i> |
|----------------|-------------------------|---|
| Total | — | 4.91 |
| Felled | 1,217 | 1.36 |
| Thinned | 8,224 | 3.55 |

CONSTRUCTION AND MAINTENANCE OF ROADS

| | <i>Miles</i> |
|--------------------------------------|--------------|
| Completed to final standard | 114 |
| Completed to initial standard | 26 |
| Total mileage | 1,520 |

EMPLOYMENT

Number of forest workers employed at end of year: 2,677 (including 33 part-time workers).

Table 33—continued

WALES

Main statistics for the year ended 30th September, 1963

PRIVATE FORESTRY

PROGRESS OF THE DEDICATION SCHEME

| | <i>Number</i> | <i>Area (acres)</i> |
|---|---------------|-------------------------|
| Total schemes completed to date | 238 | 38,660 |
| Schemes completed during year (net) | 30 | 2,580 |
| Schemes approved or in preparation at end of year | 43 | 9,606 |

PROGRESS OF THE APPROVED WOODLANDS SCHEME

| | <i>Number</i> | <i>Area (acres)</i> |
|---|---------------|-------------------------|
| Total schemes completed to date | 24 | 4,637 |
| Schemes completed during year (net) | 3 | 629 |
| Schemes approved or in preparation at end of year | — | — |

ESTIMATED AREA PLANTED BY PRIVATE OWNERS IN THE YEAR

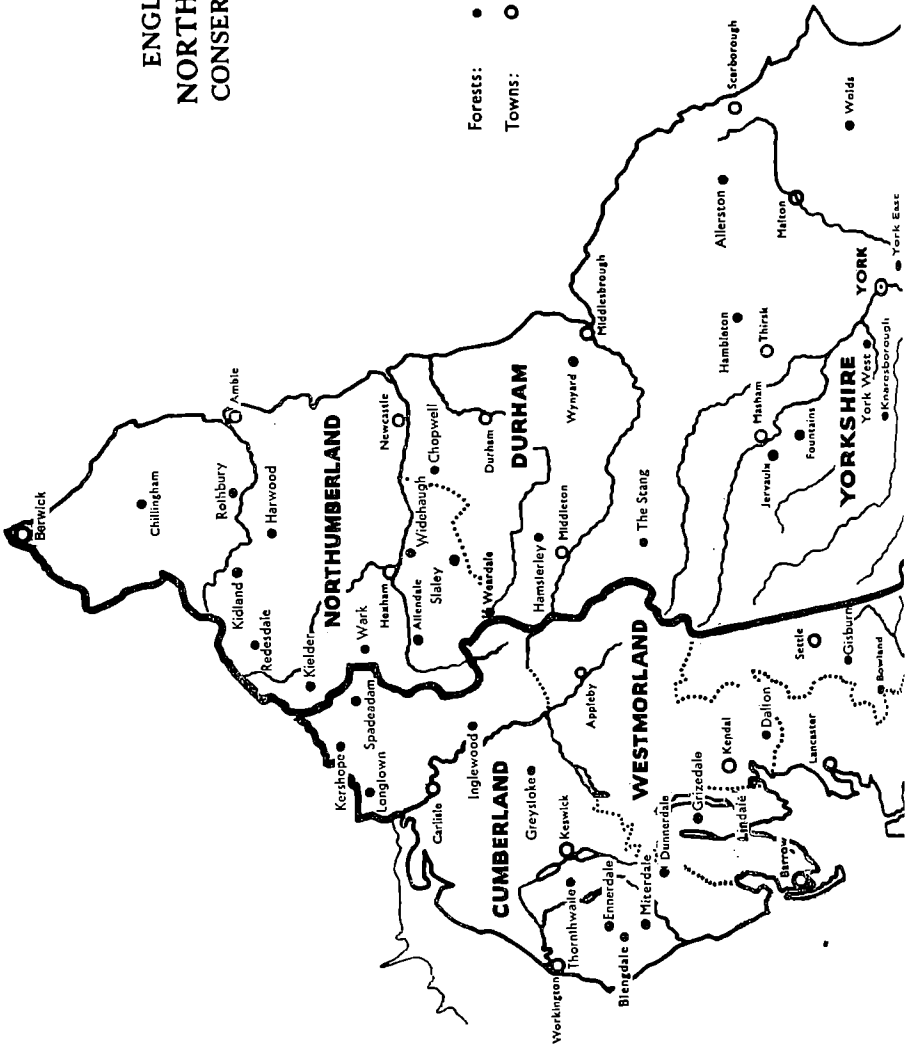
| | <i>Acres</i> |
|-----------------------------------|--------------|
| Total Area | 3,460 |
| In Dedicated Woodlands | 3,014 |
| In Approved Woodlands | 117 |
| With Small Woods Planting Grants | 317 |
| Without Grants (estimated) | 12 |

APPENDIX II

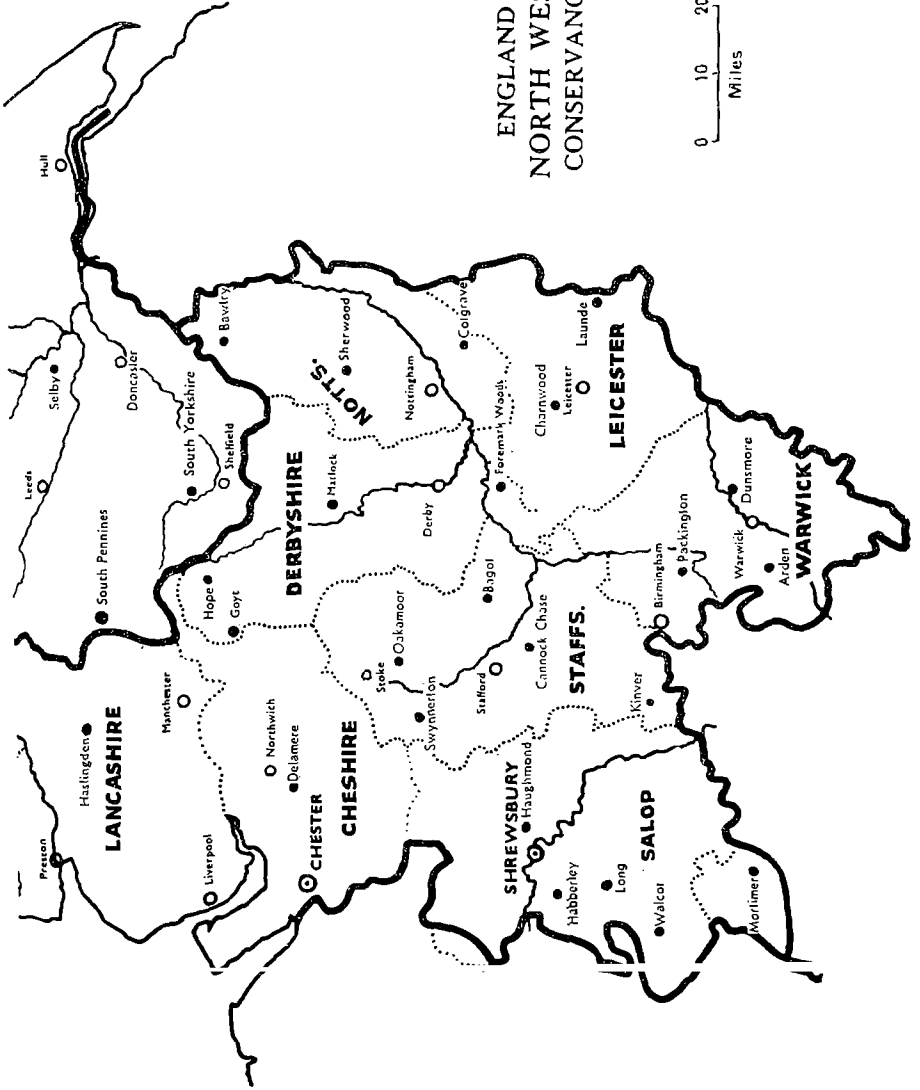
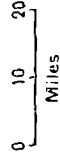
MAPS

Maps showing the distribution of Commission forests and the boundaries of the Conservancies, as at 30th September, 1963, follow overleaf.

ENGLAND
NORTH EAST
CONSERVANCY

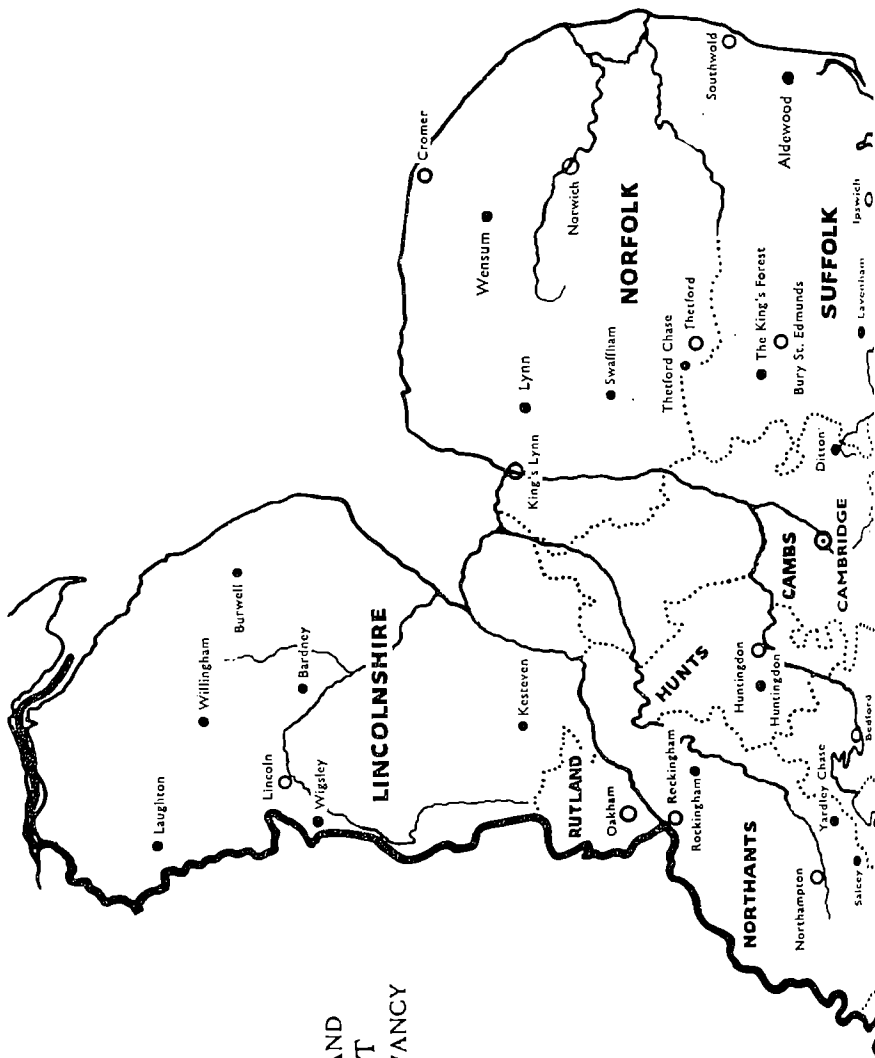


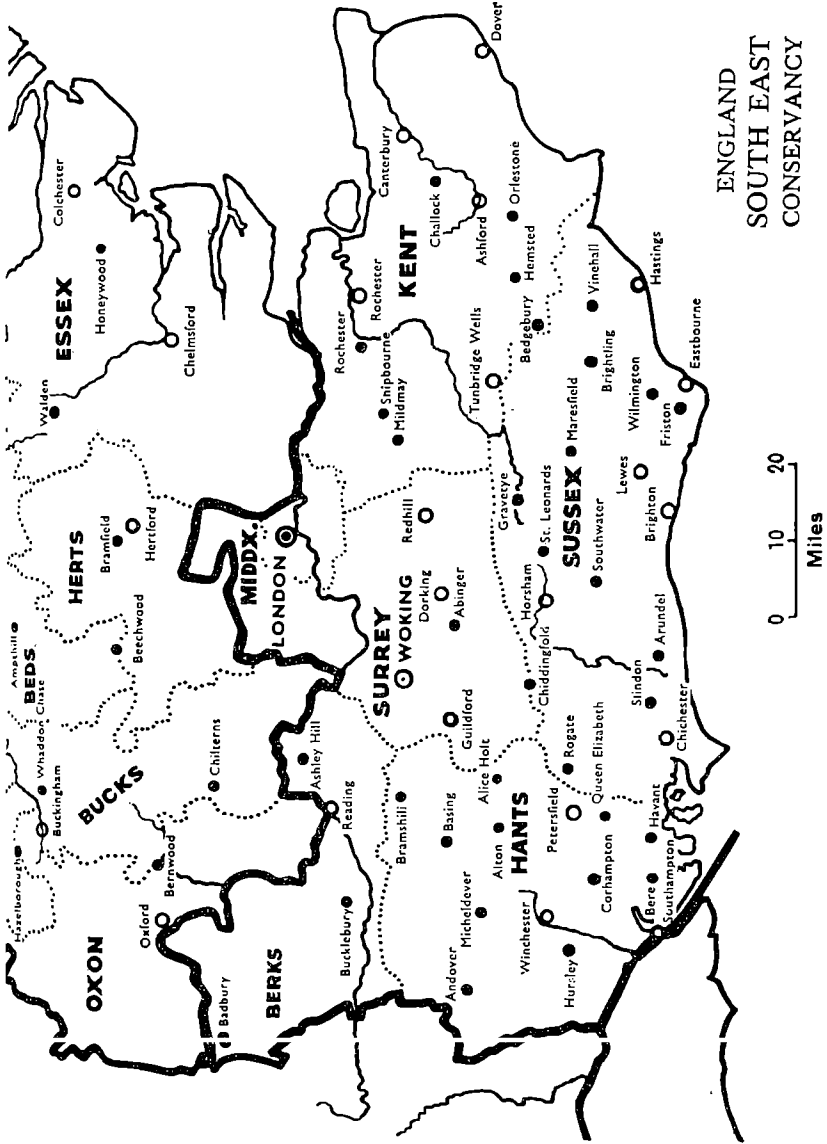
ENGLAND NORTH WEST CONSERVANCY



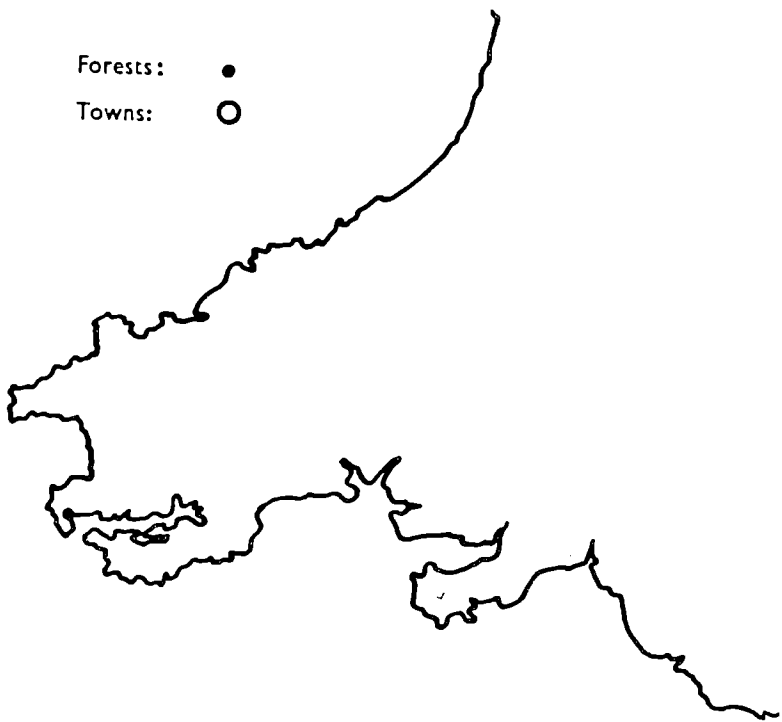
ENGLAND EAST CONSERVANCY

- Forests: ●
- Towns: ○



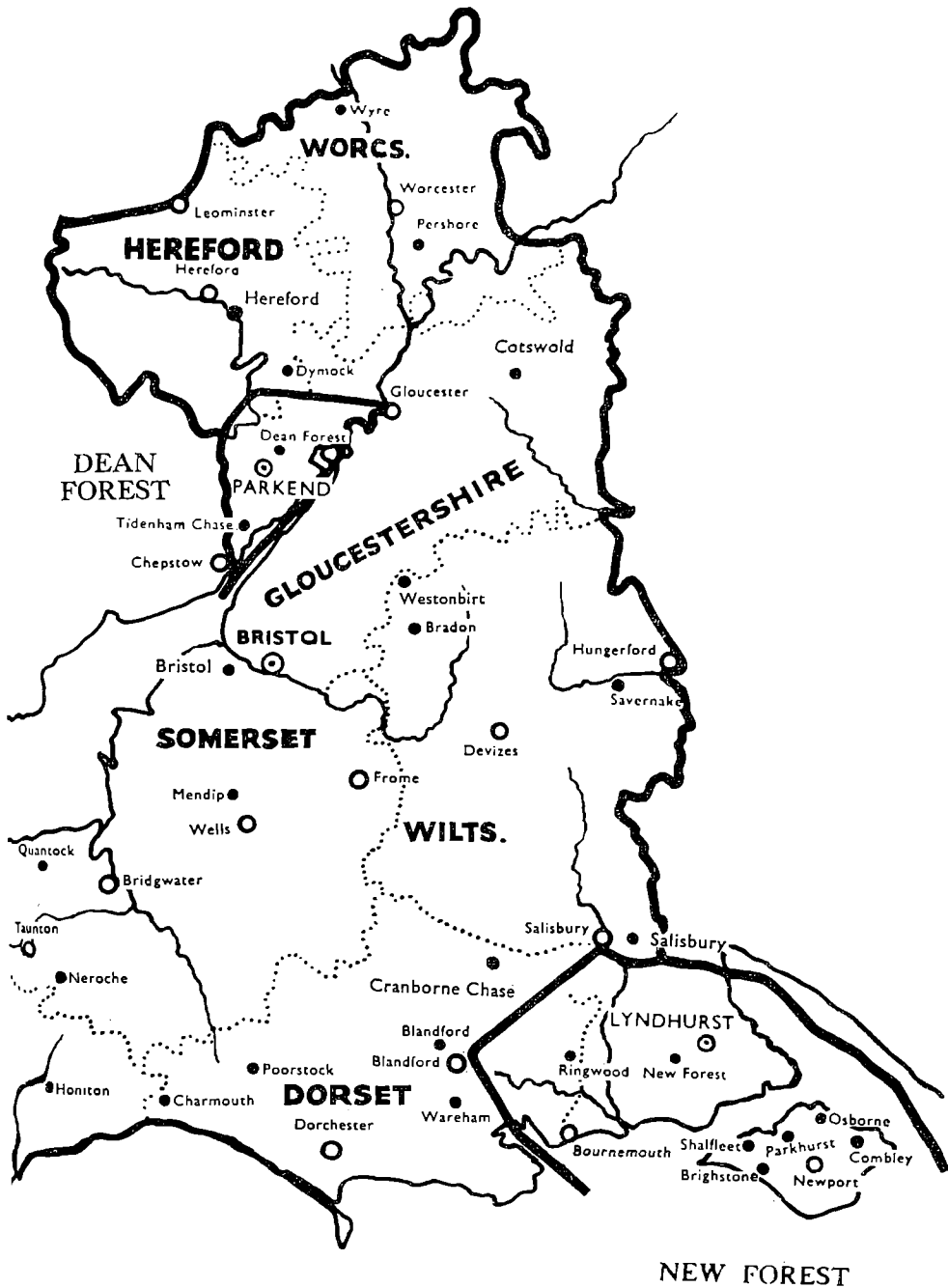


Forests: ●
 Towns: ○

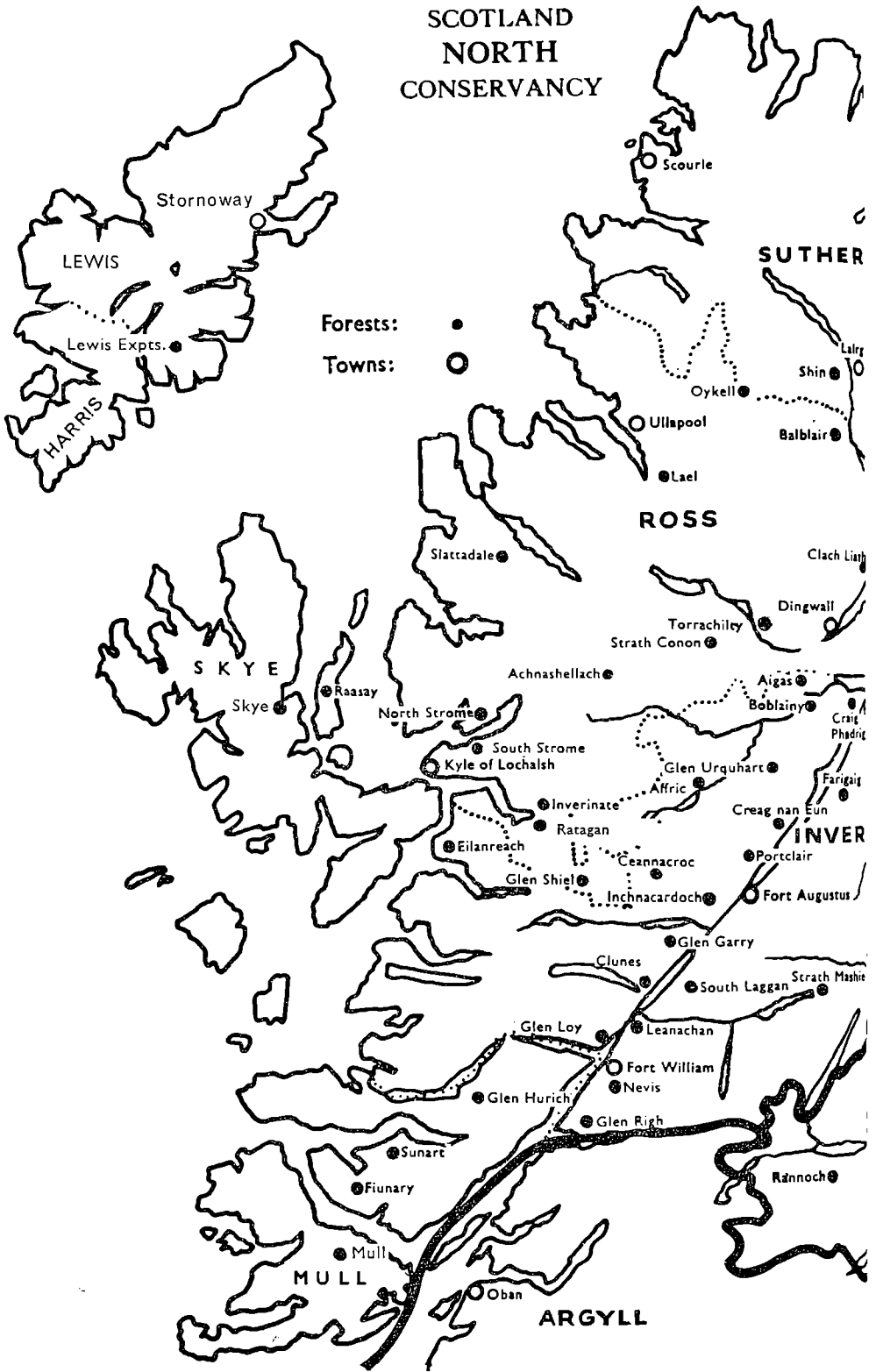


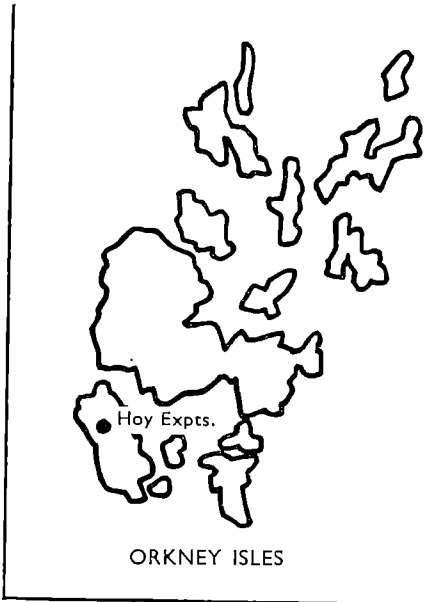
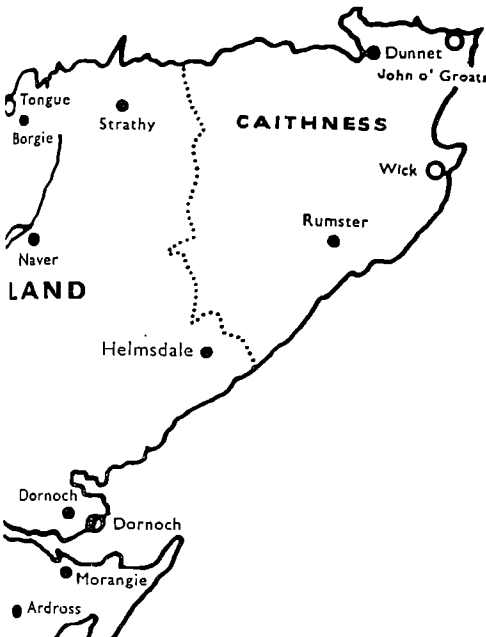
ENGLAND
 SOUTH WEST
 CONSERVANCY



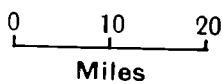


SCOTLAND NORTH CONSERVANCY

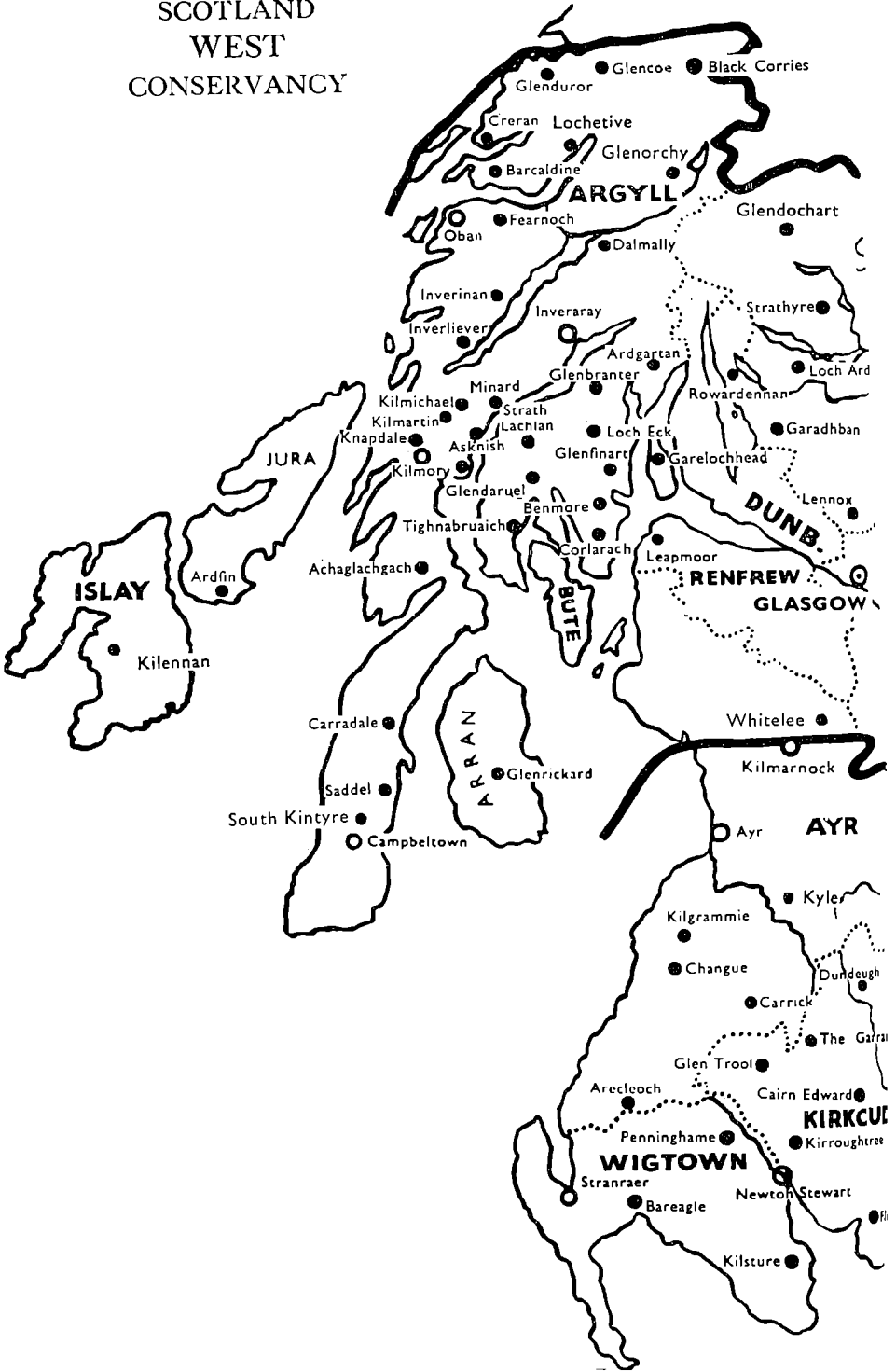




SCOTLAND
EAST
CONSERVANCY

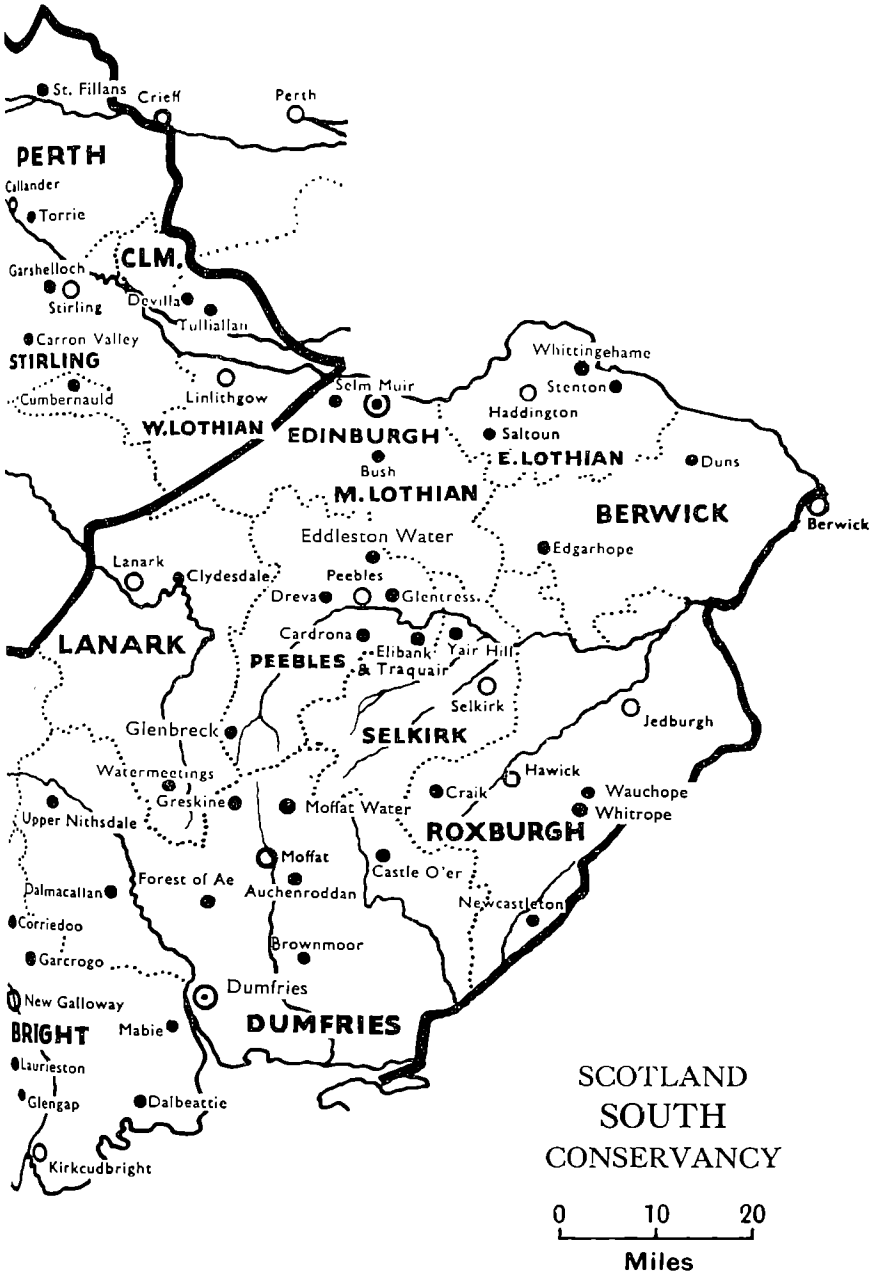


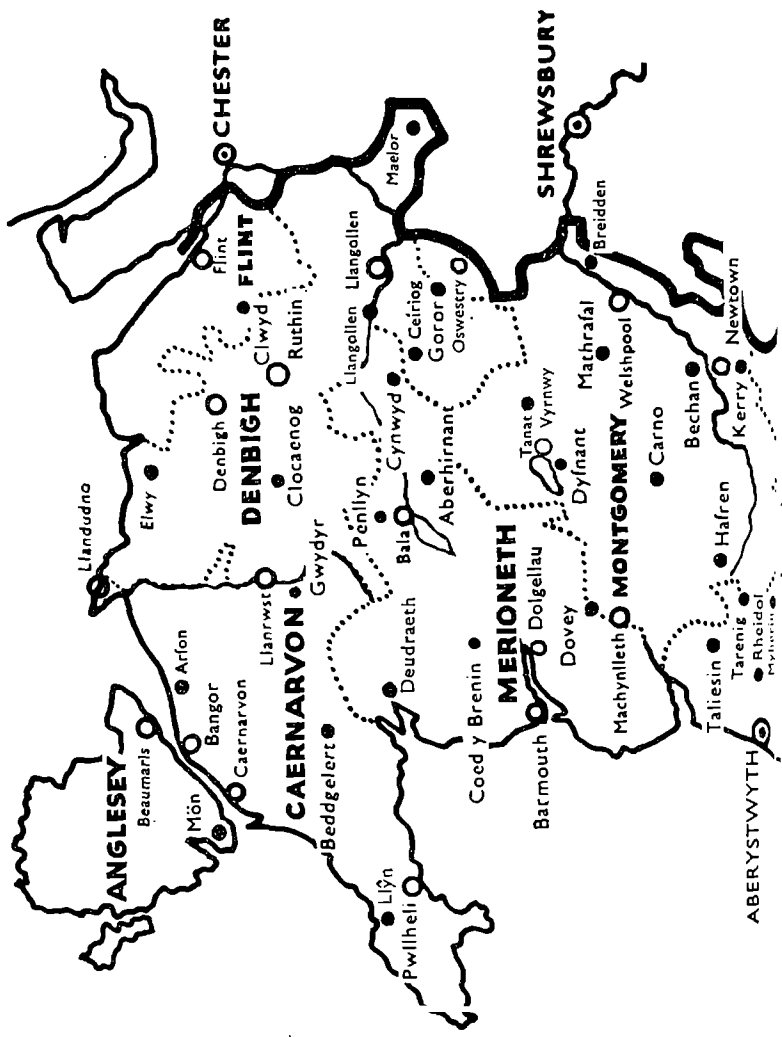
SCOTLAND
WEST
CONSERVANCY



Forests: ●

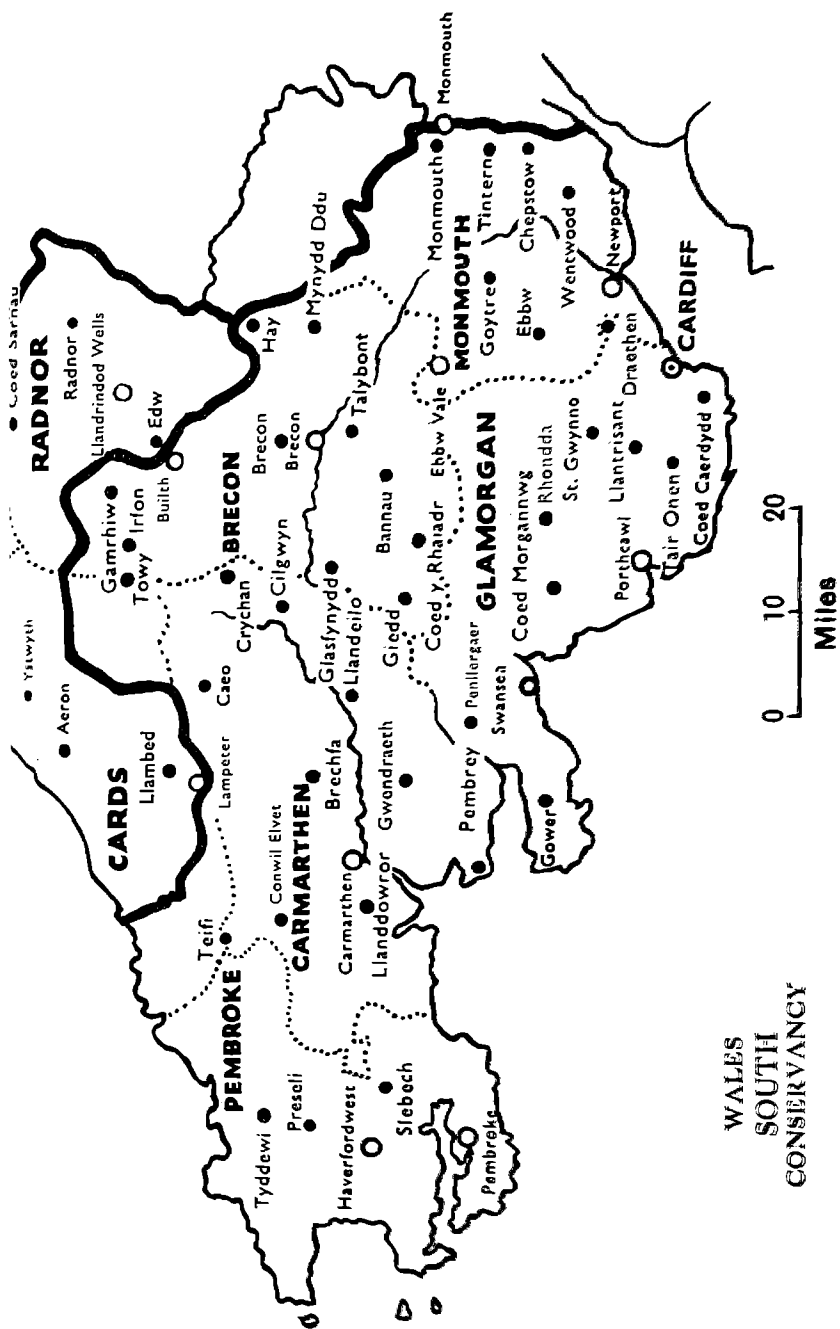
Towns: ○





WALES
NORTH
CONSERVANCY

Forests: ●
Towns: ○



WALES
SOUTH
CONSERVANCY

ADDRESSES OF THE MAIN OFFICES OF THE FORESTRY COMMISSION

Headquarters of the Forestry Commission:

25, Savile Row, London, W.1. (*Regent* 0221.)

Director of Forestry for England:

25, Savile Row, London, W.1. (*Regent* 0221.)

Director of Forestry for Scotland:

25, Drumsheugh Gardens, Edinburgh, 3. (*Edinburgh Caledonian* 4782.)

Director of Forestry for Wales:

Victoria House, Victoria Terrace, Aberystwyth. (*Aberystwyth* 2367.)

Conservancy Offices

England:

North West: Upton Grange, Upton Heath, Chester. (*Chester* 24006.)

North East: Briar House, Fulford Road, York. (*York* 24684.)

East: Brooklands Avenue, Cambridge. (*Cambridge* 54495.)

South East: Danesfield, Grange Road, Woking. (*Woking* 2270.)

South West: Flowers Hill, Brislington, Bristol, 4. (*Bristol* 78041.)

New Forest: The Queen's House, Lyndhurst, Hants. (*Lyndhurst* 300.)

Dean Forest: Whitemead Park, Parkend, Lydney, Glos. (*Whitecroft* 305.)

Scotland:

North: 60, Church Street, Inverness. (*Inverness* 32811.)

East: 6, Queen's Gate, Aberdeen. (*Aberdeen* 33361.)

South: Greystone Park, Moffat Road, Dumfries. (*Dumfries* 2425.)

West: 20, Renfrew Street, Glasgow, C.2. (*Glasgow Douglas* 7261.)

Wales:

North: 15, Belmont, Shrewsbury. (*Shrewsbury* 4071.)

South: St. Agnes Road, Gabalfa, Cardiff. (*Cardiff* 62131.)

Research Station

Alice Holt Lodge, Wrecclesham, Farnham, Surrey. (*Bentley* 2255.)

Education Branch

Chief Education Officer:

25, Savile Row, London, W.1. (*Regent* 0221.)

