

NEW ZEALAND INSTITUTE OF FORESTERS (INC.)

OFFICERS 1960-62

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Vice-President: A. P. Thomson

Treasurer: L. J. Slow

Secretary: J. F. Lysaght

Council: A. W. Grayburn, J. T. Holloway, D. Kennedy,
P. J. McKelvey

Editors: A. L. Poole, D. S. Jackson

Librarian: G. C. Weston

ANNUAL MEETING 1961

The thirty-fourth annual general meeting was held in Wellington on Saturday, 29 April 1961, under the auspices of the Wellington Section of the Institute. It was called to order by the President, Mr Henry, and later in the morning welcomed to Wellington by the Mayor, Mr F. J. Kitts. He also welcomed members and visitors on behalf of the Wellington City and Suburban Water Supply Board, who were to act as hosts at a field-day on the morrow.

ATTENDANCE

There were present two honorary members, 43 members, 39 associate members, two affiliate members, 18 student members and 24 guests. Apologies were received from 25 members.

PRESIDENT'S REPORT

Total membership had increased from 261 to 285 during the year; there having been a net increase of two in full members, of 15 in associates, of four in the new class of affiliates, and of three in student membership.

Attention was drawn to the fact that applicants for full membership were now required to have been associate members for at least two years. It was intended to restrict the privilege of such advancement to the higher ranks of practicing foresters.

Council had considered during the year 37 applications for admission or advancement.

TREASURER'S REPORT

Mr Slow reported that despite late publication of the Journal, and a subsequent drop in revenue from current sales, the balance carried forward had increased to £1614. Subscriptions in arrears amounted to over £140. Interest from investments provided more than ten per cent of current income of the Institute. It was decided to increase the rates of annual subscription to £3 for members, £2 for associates, £1 10s. for affiliates, and 10s. for student members.

LIBRARIAN'S REPORT

Mr Weston reported the indexing of 339 accessions, loan of 48 items, and the continued servicing of overseas requests and the mailing list for the Journal.

EDITOR'S REPORT

This report was preceded by a statement from the President to the effect that a sub-committee of previous editors had been set up, to inquire into the implications of publishing two editions of the N.Z. Journal of Forestry each year and the possible need for independent business managership.

Mr Poole disclosed that the cost of publication had again risen, by 12 to 15 per cent, and that the net cost per unit was now very close to the selling-price. He also pointed out that the present closing date for submission of papers coincided with the printer's busiest period of the year.

Owing to a great increase in his duties it was necessary for him to tender to the Institute his resignation of the editorship.

PRESENTATION OF PAPERS

On a remit from the Rotorua Section an amended motion was passed, to the effect that any paper for presentation at the Annual General Meeting should be distributed to all members at least two weeks prior to the date of the Meeting.

SECTION REPORTS

These were presented by secretaries of the local sections in Rotorua, Hawke's Bay and Wellington. It was reported that the inaugural meeting of a Nelson Section had been held. Nine evening meetings and one field-day (Matahina Forest) were held by the Rotorua Section; three evening meetings and a field-day occupied the Wellington Section; while the Section in Hawke's Bay held five evening meetings.

HONORARY MEMBERS

Mr A. R. Entrican, C.B.E., A.M.I.C.E., was proposed by Mr J. E. Henry, seconded by Mr A. W. Grayburn and elected with acclamation.

Dr S. H. Spurr, B.S., M.F., Ph.D., was proposed by Mr A. P. Thomson, seconded by Mr P. J. McKelvey and elected unanimously.

PAPERS PRESENTED

The papers were largely concerned with the factors affecting employment of land under forest management. Speakers and their papers, in order of presentation, were:

- D. L. Stacey. Various Kinds of Pulp and Paper together with their Wood Requirements.
- A. R. Entrican. The Future of the Pulp and Paper Industry in New Zealand.
- A. P. Thomson and M. B. Grainger. Some Bases for Comparing the Relative Economics of Farming and Forestry in New Zealand.
- J. T. Ward. Economic Principles of Land Use: a Comparison of Agriculture and Forestry.
- P. W. Olsen and T. W. Swale. The Effect of the Pulp and Paper Industry on Forest Management.
- J. T. Holloway. Some Neglected Pulpwood Resources.

A summing-up of the papers was given by Dr Low.

Discussion of these papers and their implications was lively (there being no less than 44 individual questions and comments) and carried the meeting well into the evening.

The President closed the meeting with a vote of thanks to the visiting speakers, Dr J. T. Ward and Dr H. B. Low, and to Messrs Allsop and Jeffries, the local organisers.

FIELD TRIPS

On 30 April visits were made to the Taita experimental catchment of the Soil Bureau, D.S.I.R., where members were welcomed by Mr N. H. Taylor; and to the Hutt River Catchment, under the able guidance of Mr P. Kloczek.

The following day a visit was made to Waiterere State Forest.

NEXT MEETING

It is proposed to hold the 1962 Annual General Meeting in Christchurch as a symposium on the topic "The Economics of Silvicultural Treatment of Forests". The venue for 1963 was proposed as Masterton.

LIST OF MEMBERS AT FEBRUARY 1961

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- Chapman, H. H., M.F., Sc.D., School of Forestry, Yale University, New Haven, Connecticut, U.S.A.
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PUBLICATIONS RECEIVED

Receipt of publications during the period 1 September 1960 to 4 August 1961 is acknowledged with thanks by the Institute. A selected list is given below.

Literature received by the Institute is available on loan to members on application to G. C. Weston, Librarian, N.Z. Institute of Foresters, c/o Forest Research Institute, Whakarewarewa, Rotorua.

AUSTRALIA

Australian Timber Journal, 26 (7-12), 1960-61; 27 (1-6), 1961.

Commonwealth Forestry and Timber Bureau:

Bulletin No. 37: Branching and flowering characteristics of Monterey pine. 1960. 59 p. Ill.

Western Australia. Forests Department Bulletins:

No. 64. Ash bed effects in Western Australian forest soils. 1960. 20 p.

No. 65. The development of jarrah regeneration. 1960. 12 p. Ill.

No. 66. Germination stimulation in *Pinus pinaster* Ait. 1960. 10 p.

No. 68. The fertilizer factor in *Pinus pinaster* Ait. plantations on sandy soils of the Swan coastal plain, Western Australia. 1960. 26 p.

CANADA

Forestry Chronicle, 36 (2-4), 1960; 37 (1), 1961.

Pulp and Paper Research Institute:

Technical Report No. 168. The mineral nutrition of Canadian pulpwood species, I: The influence of N, P, K, and Mg deficiencies on the growth and development of white spruce, black spruce, jack pine, and western hemlock seedlings grown in a controlled environment. 1960. 66 p.

Progress report No. 1. The mineral nutrition of Canadian pulpwood species, II: Fertilizer pellet field trials. 1960. 6 p.

CZECHOSLOVAKIA

Forests of Czechoslovakia. Prague, 1960. 227 p. Ill., maps. (E.)

F.A.O.

Forest Development Paper No. 13. Choice of tree species. 1958. 307 p. Ill.

Forest Equipment Notes (various).

Standard nomenclature of the exportable timbers of the Asia-Pacific region. 1960. 96 p.

Unasylva 14 (2-4), 1960.

World Forest Inventory, 1958. 1960. 137 p.

Yearbook of Forest Products Statistics, 1960. 1960. 160 p.

GERMANY

Federal Institute for Forest and Wood Research, Reinbek: Bibliography of forest- and timber-economy literature. 1960 (1-4).

Report for period 1.1.58-31.12.60. 37 p.

Federal Ministry of Food, Agriculture and Forestry: Forestry in the Federal Republic of Germany. 1960 (3rd ed., rev.). 64 p. Ill. (E.)

GREAT BRITAIN

Commonwealth Agricultural Bureaux:

31st Annual Report of Executive Council, 1959-60. 1960. 50 p.

A synopsis of the work and growth of the Commonwealth Forestry Bureau, Oxford, 1939-1959. 1960. 29 p.

GREAT BRITAIN (continued)

D.S.I.R. Forest Products Research Laboratory:

Bulletin No. 45. The strength properties of timber. 1960. 34 p. Ill.

Forest Products Research, 1959. 1959. 62 p.

Forest Products Research, 1960. 1961. 60 p.

Special Reports:

No. 14. Theory of cutting. I. Experiments in rectilinear cutting. 1960. 25 p. Ill.

No. 15. Working stresses for structural laminated timber. 1961. 50 p. Ill.
Empire Forestry Review, 39 (3-4), 1960; 40 (1), 1961.

Forestry, 33 (2), 1960; 34 (1), 1961.

Forestry Abstracts, 21 (3-4), 1960; 22 (1-2), 1961.

Forestry Commission:

41st Annual Report, 1959-60. 1961. 66 p. Ill.

Booklet No. 5. Conversion tables for forest research workers. 1960. 64 p.

Bulletins:

No. 32. Afforestation of upland heaths. 1960. 145 p. Ill.

No. 33. The status and development of elm disease in Britain. 1960. 44 p. Ill.

Forest Records:

No. 43. Establishment methods for poplars. 1960. 16 p. Ill.

No. 44. A creosoting plant at Thetford Chase. 1960. 27 p. Ill.

No. 45. Fires in State forests in the years 1929-56. 1961. 45 p.

No. 46. Group drying of conifers. 1961. 19 p. Ill.

No. 47. Provisional yield tables for *Abies grandis* and *Abies nobilis*. 1961. 48 p.

Guide: Westonbirt Arboretum. 1960. 7 p.

Leaflets:

No. 2. *Adelges cooleyi*, an insect pest of Douglas fir and Sitka spruce. 1960 (rev.). 8 p. Ill.

No. 33. Collection and storage of ash, sycamore and maple seed. 1960 (rev.). 11 p.

Report on forest research, 1958-59. 1960. 186 p. Ill.

Imperial Forestry Institute. 36th Annual Report, 1959-60. 1960. 32 p.

Quarterly Journal of Forestry, 54 (3-4), 1960; 55 (1-2), 1961.

Scottish Forestry, 14 (3-4), 1960; 15 (1-2), 1961.

INDONESIA

Forest Research Institute:

Communication No. 68. Budding experiments on teak. 1959. 29 p. Ill. (Indon. e.).

Communication No. 70. Selection of teak, III. Growth after 25 years. 1959. 39 p. Ill. (Indon. e.)

Reports:

No. 80. 74 p. (mimeo.) (Indon.)

No. 81. Grafting experiments on *Pinus merkusii*. 1959. 24 p. Ill. (Indon. e.)

No. 85. Some notes on the difference between puspa-wood (*Schima wallichii* Kort.) and rasamala-wood (*Altingia excelsa* Nor.). 1960. 9 p. Ill. (Indon.)

Special Publication No. 15. Stake tests in Indonesia I: Progress report No. 2. 19 p. Ill. (E. indon.)

JAPAN

Forestry Agency: Forestry in Japan, 1960. Tokyo, 1960. 63 p. Ill. (E.)

MEXICO

Centro de Documentacion Cientifica y Tecnica:

Bulletin (Sect. 5) 9 (7-12), 1960; 10 (1-4), 1961.

NEW ZEALAND

Allan, H. H. *Flora of New Zealand*, Vol I. Wellington, 1961. 1085 p.
Farm Forestry, 2 (4), 1960; 3 (1-2), 1961.

Forest Service:

Annual Report, 1959-60. 115 p.

Information Series:

No. 32. Development of the exotic-forest resource as a major land use. 1960. 11 p.

No. 33. Statistics of the forests and forest industries of New Zealand. 1961 (3rd edn.) 96 p.

Forest Service: Forest Research Institute:

N.Z. Forestry Research Notes:

No. 21. The withdrawal resistance of nails in rimu and radiata pine. 1961. 19 p. Ill.

No. 23. Limitations imposed by some water-borne preservatives on the soil/block test method. 1960 (reprint). 8 p.

No. 24. Some practical aspects of forest mycotrophy. 1960 (reprint). 8 p.

No. 25. The European house borer, *Hylotrupes bajulus* L., a possible pest to New Zealand. 1961. 19 p. Ill.

Report for period 1.4.58 to 31.12.59. 1960. 151 p.

Technical Papers:

No. 29. Methods of measurement and volume calculation for exotic conifers. 1960. 18 p.

No. 30. Checking of intergrown knots during seasoning of radiata pine sawn timber. 1961. 16 p. Ill.

No. 32. The nutrient content of *Pinus radiata* trees. 1960 (reprint.) 14 p.

No. 33. Measurement of stand basal area with optical wedges. 1960. 12 p.

No. 34. A composite timber-concrete bridge. 1960. 11 p. Ill.

No. 35. The evolution of marsupial reproduction. 1961. 40 p.

N.Z. Geographer, 16 (2), 1960; 17 (1), 1961.

N.Z. Geographical Society Record No. 29, 1960; No. 30, 1961;

Miscellaneous Publication No. 3: New Zealand's industrial potential. 1960. 194 p. Ill.

N.Z. Journal of Agricultural Research, 3 (4-6), 1960.

N.Z. Journal of Geology and Geophysics, 3 (3-4), 1960; 4 (1), 1961.

N.Z. Journal of Science, 3 (3-4), 1960; 4 (1-2), 1961.

N.Z. Plants and Gardens, 3 (8), 1960; 4 (1-2), 1960-61.

N.Z. Standards Institute Bulletin, 6 (3-4), 1960; 7 (1), 1961.

N.Z. Timber Journal, 7 (1-12), 1960-61.

Royal Society of New Zealand:

Proceedings, 88, 1960; 89, 1961 (Report of the 9th Science Congress, Wellington, 1960).

Transactions, 88 (2-4), 1960-61.

Timber Development Association Bulletin 1 (1-2), 1960-61.

NORWAY

Forest Research Institute. Reports: Nos. 56-58, 1960.

SOUTH AFRICA

Journal of the South African Forestry Association, Nos. 34-35, 1960. 36-37, 1961.

SPAIN

Ministry of Agriculture:

Forest Research Institute. Annals: No. 4, 1959.

Forest Pest Service. Bulletins: No. 5, 1960; No. 6, 1961.

SWEDEN

Royal School of Forestry. Bulletins:

- No. 33. Price trends of stumpage and forest products in Sweden. 1960. 181 p. (Sw. e.)
- No. 34. Development and yield of Douglas fir and Sitka spruce in southern Scandinavia and on the Pacific coast. 1961. 141 p. Ill. (E. sw.)

U.S.A.

Department of Agriculture. Forest Service:

Agricultural Handbooks:

- No. 148. Key to important woody plants of eastern Oregon and Washington. 1960. 227 p. Ill.
- No. 181. Management and inventory of southern hardwoods. 1960. 102 p. Ill.
- No. 183. Logging road handbook: the effect of road design on hauling costs. 1960. 65 p.
- No. 185. Releasing conifers in the Lake states with chemicals. 1961. 22 p. Ill.
- No. 194. Snow avalanches: a handbook of forecasting and control measures. 1961. 94 p. Ill.

Agriculture Information Bulletins:

- No. 226. Grazed firebreaks in southern forests. 1960. 8 p. Ill.
- No. 229. Air attack on forest fires. 1960. 32 p. Ill.
- No. 234. Opportunities for economic development in low-production farm areas. 1960. 38 p. Ill.

American Woods:

- Sugar pine. 1960. 5 p.
- Red alder. 1960. 5 p.
- Douglas fir. 1960. 8 p.
- Bald cypress. 1960. 7 p.

Forest Pest Leaflets:

- No. 45. Black-headed budworm. 1960. 4 p.
- No. 46. Gouty pitch midge. 1960. 8 p.
- No. 47. Sitka-spruce weevil. 1960. 6 p.
- No. 48. Laminated root rot of Douglas fir. 1960. 6 p. Ill.
- No. 49. Southern pine beetle. 1960. 7 p. Ill.
- No. 50. Western gall rust on hard pines. 1960. 8 p. Ill.
- No. 51. Dry face of naval stores pines. 1960. 7 p. Ill.

Forestry and forest industry in the U.S.S.R.: Report of a technical study group. 1961. 92 p. Ill.

Home and Garden Bulletin No. 73. Wood decay in houses: How to prevent and control it. 1960. 17 p. Ill.

Leaflets:

- No. 184. The elm leaf beetle. 1960 (rev.). 4 p. Ill.
- No. 185. Elm bark beetles. 1960 (rev.). 8 p. Ill.
- No. 239. Moderate grazing pays on California annual-type ranges. 1960 (rev.). 5 p. Ill.
- No. 481. Selecting farm framing lumber for strength. 1960. 5 p.
- No. 487. Planting black walnut for timber. 1961. 6 p. Ill.

Miscellaneous Publications:

- No. 766. Look to your timber, America. 1960. 17 p. Ill.
- No. 800. Biology and control of the western pine beetle. 1960. 381 p. Ill.
- No. 843. A job with the Forest Service: a guide to non-professional employment. 1961. 13 p.

Multiple use: the national forests and your family. 1961. 23 p. Ill.

National-forest vacations. 1960. 66 p. Ill.

Operation multiple-use: program for the national forests. 1960. 18 p. Ill.

Production Research Report No. 38. What's known about managing Eastern White Pine. 1960. 69 p. Ill.

U.S.A. (continued)

Technical Bulletins:

No. 1216. Vegetation and cattle responses to different intensities of grazing on short-grass ranges on the central Great Plains. 1960. 82 p. Ill.

No. 1226. Second-growth Western White Pine stands: site index and species changes, normality percentage trends, mortality. 1960. 60 p. Ill.

No. 1230. Commercial thinning of Douglas fir in the Pacific north-west. 1961. 124 p. Ill.

Department of the Interior. Conservation Bulletin No. 42: Forest conservation. 1960. 86 p. Ill.

West Coast Lumbermen's Association:

The story of West Coast lumber. 1960. 16 p. Ill.

YUGOSLAVIA

Forest Research Institute. Annals: No. 14, 1960.

INSTRUCTIONS TO AUTHORS

Contributions for the 1962 number should be in the hands of the Editor by 1 May. The Editor would appreciate prior advice of the title and length of any article which is to be submitted. Manuscripts should be in duplicate, typewritten, double spaced, and on one side only of paper of foolscap folio size. Pages should be consecutively numbered. Each paper must include a synopsis placed at the beginning and giving a brief summary of the contents of the paper. Only the author's name should be included in the heading to the paper. The positions of text figures, tables, graphs or maps should be clearly indicated on the manuscript. Only those words to appear in italic type should be underlined.

Only illustrations that explain the text should be included with a paper. These may be in the form of line drawings, photographs, tables, or graphs. Owing to the high cost of process engraving, illustrations should, preferably, be in the form of line drawings clearly executed in black india ink on white drawing paper or draughting plastic. Remember that, when a line drawing is reduced to page size by the block maker, every line and every dot is reduced in thickness and size by the same relative amount as the whole drawing. For this reason lines should not be too thin or dots too small in the original drawing. Tabular matter should be kept to a minimum. Photographs should be printed on glossy paper and should portray essential information clearly; all extraneous matter should be trimmed away. They must be black and white. Flat-surface or sepia-toned prints will not do.

All references cited should be listed alphabetically by author at the end of the paper. Where more than one entry occurs for the same author these should be listed chronologically. In the text sources of references should be referred to by author and date, e.g. (Smith, 1926).

All generic, specific, and sub-specific names must be underlined in the manuscript. Family names and names of higher categories are not underlined, but are spelt with an initial capital letter. Synonyms should be arranged with the date cited first.

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