

7. Strong extension services should be based at the major research centres. At Palmerston North and Lincoln the research and extension organisations under their own administrations should be located in close proximity to the Agricultural Colleges for the mutual benefit of staffs and students and to act as focal points for the rural community.
8. Agriculture must receive an adequate proportion of the annual intake of University students and the position of the University as a whole should be strengthened and stimulated by increased grants for research so that greater opportunities are made available within the country for students to obtain the specialised post-graduate training necessary for research positions.

We cannot afford to be either complacent under our present rate of progress or content with stop-gap adjustments. We need far-sighted planning and vigorous action in research, extension and education. This applies equally to agriculture, horticulture and forestry, the three associated sections at this Congress and the three legs of the tripod upon which the welfare of this country is based and will continue to be based for many years to come.

REFERENCES

1. FAWCETT, E. J., 1953. Production for 3 million 25 years hence. *N.Z. Journal of Agriculture*, Vol. 87, pp. 194-196.
2. CALLAGHAN, F. R., 1953. The application of Science and Research in New Zealand. *Trans. Royal Society N.Z.*, Vol. 80, pp. lxxxii-xcv.
3. TAYLOR, N. H., 1952. Pedology as an Aid in Animal Research. *Aust. Vet. Journ.*, Vol. 28, pp. 183-189.
4. MCMEEKAN, C. P., 1952. Food and the Animal. *Journ. N.Z. Inst. Chem.*, Vol. XVI, pp. 18-25.
5. HAMILTON, W. M., 1951. Farming in the New Zealand Economy and the Role of Research. *Aust. Vet. Journ.*, Vol. 27, pp. 157-165.
6. BURNS, M. M., 1952. Soil and Fertiliser Problems. *Journal N.Z. Inst. Chem.*, Vol. XVI, pp. 1-8.

GENERAL SYMPOSIA (SECTIONS L1 AND L2)

1. *Aims and values of soil analysis.*
See Section B.
2. *Climate and Agriculture.*
See Section F.
3. *Impact of substitute foods and fibres on New Zealand's primary industries*
See Section B.
4. *Legume Establishment.*
See Section C.
5. *Trace Elements*
See Section B.

SECTION L1

The following papers were also read:—

- HUDSON, A. W. Is sub-soiling of clay-pan soils desirable?
 JAMES, J. P. The role of artificial breeding in New Zealand dairying.
 SALISBURY, R. M. Infectious infertility of sheep and cattle in New Zealand.
 WHITE, J. V. The development of agriculture in New Zealand in relation to population.

SECTION L2

The following papers were also read:—

- HENRY, J. E. The development of native vegetation on pumice country and its relationship with exotic pine forests.

- JOHNSTON, H. W. The production of organic acids by Mycorrhizal fungi and the possible importance of this phenomenon in phosphate metabolism of trees supporting a Mycorrhiza.
- JONES, O. Growth of *Pinus radiata* in unthinned stands.
- KENNEDY, D. The role of forestry in the land use pattern on the West Coast.
- LANCASTER, MISS M. E. Some Basidiomycetes associated with *Agathis australis*.
- LEVY, J. W. and SUTHERLAND, C. F. The soils problem in reforestation in Northland.
- LLOYD, R. C. First steps to kauri management.
- MORRISON, F. T. Kauri nursery practice.
- RAWLINGS, G. B. Epidemics in *Pinus radiata* forests in New Zealand.
- REID, J. S. Radiata pine timber, the user's viewpoint.
- THULIN, I. J. *Pinus radiata* tree breeding in New Zealand.
- URE, J. Early silvicultural treatment of *Pinus radiata* regeneration.
- WESTON, G. C. and VUCETICH, C. G. Growth of exotic forest trees on certain soils at Tairua forest, Coromandel.

GENERAL SYMPOSIA (SECTION I.3)

1. *Aims and values of soil analysis.*
See Section B.
2. *Biological Control.*
See Section D.
3. *Insecticides.*
See Section B.
4. *Trace Elements.*
See Section B.

The following papers were also read:—

- GREIG, A. M. W. Horticultural research in relation to horticultural production and horticultural problems.
- JACKS, H. Seed protection.
- LITTLE, E. C. S. Weed control developments.
- MOUAT, H. M. Some problems of sub-tropical fruit growing.
- TURBET, MISS M. E. Horticultural nomenclature in New Zealand: its problems and its progress.
- YBATES, J. S. Recent advances in plant propagation.