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# **Lincoln University News**

Dr Lucie Ozanne has recently joined the staff at Lincoln University. Lucie is a forest products marketing specialist who earned her doctoral degree from Pennsylvania State University's School of Forest Resources. She also holds a master's degree in marketing from Penn State and a bachelor of science degree in marketing from Florida State University. Lucie's research interests have focused on marketing forest products under the increased environmental scrutiny of consumers and other interested stakeholder groups. Most recently, she has been involved in examining consumer and channel member perceptions of environmental certification, and their willingness to incur the additional costs necessary to implement environmental certification programmes.

From its start two and a half years ago, the B.Com. (Forestry) has grown to 35 in the first year, 23 in the second year and 17 final-year students who will graduate this year. Besides their major in the forestry programme, this year's graduating class have a range of commerce majors, including finance, marketing, economics and accounting. The structure of Lincoln University's undergraduate degree programmes has also provided the opportunity for a number of students who are majoring in other areas, such as Resource Studies and Agricultural Science, to take the progression of forestry papers.

There are a number of postgraduate students involved in forestry or

forest industry research. A central attraction for many of the students continues to be the two agroforestry trials and the M.ApplSci. (Agroforestry) degree. Other projects include marketing and branding studies for forest products, and the effects of the RMA on plantation investment.

Internet Connections

Information on the B.Com. (Forestry) can now be found on the web at Lincoln University's web page (http://www.lincoln.ac.nz/ecmt/ bcomfore.htm). The information includes a description of the degree and provides additional contact addresses.

# School of Forestry News

New Lecturer at School of Forestry Dr Kevin Boston, who has a Ph. D. in Forest Engineering from Oregon State University, has recently taken on a full-time position as Lecturer in Forest Management at the School. Kevin's academic teaching interests include Operations Research, Inventory and Harvest Planning. His research involves applying Operations Research techniques to harvest planning problems, and developing spatial harvest planning models that incorporate GIS. Dr Boston will be teaching FORE 319, Resource Management and FORE 320, Wood Production Management. Welcome aboard, Kevin!

Masters' Studies Overseas

Masterate Candidate Hope Allum, under the guidance of Dr Nora Devoe, is studying regeneration of upland rainforest following shifting cultivation on the island of Pohnpei, in the Federated States of Micronesia. The study is aimed at understanding the effects of size of garden plots, length of cropping cycle, and duration of fallow on composition of forest regeneration. The study was initiated at the request of the Pohnpei State Division of Forestry, with which Dr Devoe has a long association. The work is supported by the University of Canterbury, the Pohnpei State Division of Forestry, and the Nature Conservancy Pacific Office.

25th Anniversary Conference Proceedings Available

The proceedings of the conference which was held to celebrate the 25th Anniversary of the School are now available. The four themes of the presentations were Professionalism, Environmentalism and Forestry, Internationalism and Forestry, and Forestry: Science and Management or Science vs Management. Copies can be obtained from Jeanette Allen at the School for \$30.00.

Memorandum of Understanding Signed

The School has signed a Memorandum of Understanding with Fakulti Perhutanan (the School of Forestry) at the Universiti Pertanian Malaysia (UPM), following a visit to Indonesia and Malaysia by the Dean of Forestry, Ron O'Reilly. The memorandum will encourage the

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The fashionable but divisive dichotomy between plantation and natural-forest management heralding green management of plantations at the expense of the other is not in the best interests of sustainable forestry. We can renew enthusiasm for active indigenous forest management through ecologically orientated silviculture. Further, it is quite plausible that such "alternative" approaches to management should find a parallel place in exotic forestry. Douglas-fir is an obvious candidate for uneven-aged silviculture, alone or in mixture with other species, especially where landscape, amenity and recreational values are important.

### **ACKNOWLEDGEMENTS**

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### REFERENCES

- Bavarian State Forest Administration. 1982. Guidelines for medium and long-term forest enterprise planning. Working Plan Guidelines, Bavarian Ministry for Food, Agriculture and Forestry, Munich, pp 214
- Benecke U. and G. Baker. 1994. Testing a group selection system by small coupe selection harvesting in Granville Forest, Westland. NZ Forestry: 39, 33-35.
- Benecke U., G. Baker, and S. Wiser. 1995. Small coupe beech management research a group selection system by small coupe harvesting in Red and Silver Beech, Station Creek Westland. NZFRI Ltd report, pp 83.
- BML. 1994. National forest report report of the Federal Republic of Germany on management, conservation and sustainable development of forests in Germany as of April 1994. Federal Ministry of Food, Agriculture and Forestry, Bonn, pp 52
- Brabänder, H.D. 1983. Naturgemässe Waldwirtschaft aus betriebswirtschaftlicher Sicht. Forstarchiv 54, p.39.
- Burschel, P. and J. Huss. 1987. Grundriss des Waldbaus. Paul Parey. pp 352.
- Favre, L.-A. 1994. Naturgemäßle Waldwirtschaft in Couvet. *In:* Hatzfeldt, H. Graf.(ed.). Ökologische Waldwirtschaft Grundlagen, Aspekte, Beispiele. Verlag C.F.Müller, Heidelberg, p 232-249.
- Franklin, J. 1989. Toward a new forestry. American Forests 95, 37-44. Gayer, K. 1886. Der gemischte Wald. Paul Parey, Berlin. pp 168.
- Halkett, J.C. 1984. The practice of uneven-aged silviculture. NZ J.For. 29, 108-118.
- Hansard. 1874. Papers relating to State forests, their conservation, planting, management, etc. Parts I, II, III. NZ Government Printer, Wellington. pp 123.
- Harcombe, P.A., R.B. Allen, J.A. Wardle, and K.H. Platt. 1996. Spatial and temporal patterns in stand structure, biomass, growth, and mortality in a monospecific *Nothofagus solandri var. cliffortioides* (Hook. f.) Poole forest in New Zealand. Journal of Sustainable Forestry (in press).
- Hammond, D.(ed.). 1995. Forestry Handbook. N.Z.Institute of Forestry (Inc). pp 240.
- Härmälä, J. 1995. In harmony with nature. ENSO-GUTZEIT OY, Helsinki, pp18.
- Hartig, G.L. 1791. Die Anweisung zur Holzzucht für Förster. Marburg.
   Hughes, H.R. et al. 1995. Timberlands West Coast Ltd draft beech management prescriptions Review Panel report. Office of Parliamentary Commissioner for the Environment, Wellington, pp 122.
- Köpsell, R. 1986. Charakterischtische Kennzifferstrukturen naturgemäss bewirtschafteter Forstbetriebe. Forstarchiv 54, 83 89.
- Köstler, J.N. 1956. Silviculture. Oliver and Boyd. pp 357.
- Korpilahti, E., T. Salonen, S. Oja, (eds.). 1995. Caring for the forest: research in a changing World. Abstracts of Invited Papers. Finnish IUFRO World Congress Organising Committee, Tampere, Finland, pp 512.
- Lang, P. 1994. Streifzug durch die Forstgeschichte. *In:* Hatzfeldt, H. Graf.(ed.). Ökologische Waldwirtschaft Grundlagen, Aspekte, Beispiele. Verlag C.F.Müller, Heidelberg, p 15 36.

- Leibundgut, H. 1983. Führen naturnahe Waldbauverfahren zur betriebswirtschaftlichen Erfolgsverbesserung? Forstarchiv 54, 47 51.
- MAF. 1994. Sustainable forestry in Finland. National Report to UNCED. Ministry of Agriculture and Forestry, Department of Forest Policy, Finland, pp19.
- Möller, A. 1923. Der Dauerwaldgedanke. Julius Springer, Berlin. Facsimile edition, Erich Degreif Verlag, Oberteuringen 1992. pp136.
- NZ FFA. 1996. What do our natural forests need? Aims and Objectives in: Indigenous Forests Section, NZ Farm Forestry Association. Indigena 1, 1-7.
- Plochmann, R. 1990. The forests of Central Europe: a changing view. The 1989 Starker Lectures, Corvallis, Oregon State University, p1-9.
- Richards, K. 1994. Sustainable management of rimu forests The Timberlands West Coast experience. NZ For. 39, 7-9.
- Rosoman, G. 1996. Biodiversity. NZ For. 40, 27-28.
- Salminen, P. v M. Weissenberg, I. Lappalainen. 1995. Finland's forests
   timber and biodiversty. Ministry of the Environment, Finland, pp 12.
- Schmidtbauer, B. *et al.* 1990. Protecting the tropical forests. Enquete-Commission 2nd Report Preventative Measures to Protect the Earth's Atmosphere. Bonner University Press, pp 968.
- Spellerberg, I.F. 1996. Plantation forests protect our biodiversity? too much of a generalisation to be true! N.Z.For. 40, 5-7.
- Stewart, G.H. and A.B. Rose. 1990. The significance of life history strategies in the developmental history of mixed beech (*Nothogfagus*) forests, New Zealand. Vegetatio 87, 101-114.
- Troup, R.S. 1955. Silvicultural Systems. Oxford Press. pp 216.
- Wardle, J. 1984. The New Zealand Beeches Ecology, Utilisation and Management. NZ Forest Service, pp 447.

## **School of Forestry News**

(continued)

exchange of materials, staff and students between institutions, as well as the joint organisation of courses and international meetings. Dean O'Reilly also visited the Forestry Research Institute, Malaysia, the Ministry of Forestry in Jakarta and the School of Forestry at Bogor.

### **Staff Activities**

Staff at the School have been funded by FORST to study the sustainable management of indigenous forests on Maori land. This research integrates the ecological, economic and socio-cultural dimensions of sustainability. Dr Nora Devoe, who specialises in the silviculture of indigenous forests, heads the research, while other members involved are Drs Norton, Bilek and Boston and Dean O'Reilly. Ms Lisa Langer, a social forester with NZFRI, Mr Gerard Fitzgerald, a sociologist in private practice, and Mr Kel Sanderson, a business development specialist with the Federation of Maori authorities, complete the team.

Dr David Norton has also received funding, this time from DOC, for projects on "Restoration of Riparian Habitats" and "Restoration of Threatened Plant Habitats". Dr Norton recently gave seminars to both Auckland and Christchurch Botanical Societies on the Management of Threatened Plants.

### **Forestry Society News**

The Forestry Society of Canterbury University (FORSOC) was established primarily for students studying forestry. Our aim is to provide a medium within which members can mix with fellow students in an academic and social environment. Members are entitled to attend FORSOC barbecues held twice each term.

As a part of the University of Canterbury Students' Association, FORSOC is required to submit a constitution outlining the Society's aims and objectives for the year. This year's committee decided the constitution should be based around:

- · encouraging membership by way of social activities
- · promotion of forestry as a career within the University
- · establishment of contact with the forestry industry.

It has been a successful year to date, having achieved the majority of our aims and objectives. We now feel it is necessary to establish closer contact with the New Zealand forestry industry. This would facilitate not only a smoother transition from student to professional, but also provide those in the industry with an opportunity to communicate their expectations for future professional foresters. Any correspondence regarding this issue would be greatly appreciated and can be sent to Tim Myers, President, care of the School of Forestry, University of Canterbury.

### Ron O'Reilly