

INTERNATIONAL DIRECTORY OF WOODY PLANT PHYSIOLOGISTS

International Directory of Woody Plant Physiologists. (S.E. Horsley & C.A. Weldon, eds.). USDA Forest Service, Northeastern Forest Experiment Station, 217 pp.

The present edition of the Directory has been compiled by S.B. Horsley and C.A. Weldon and under the auspices of the IUFRO Working Group S 2.01-8. They have managed to compile the addresses of woody plant physiologists from 65 countries of all five continents. Except the alphabetical world directory containing addresses, phone and fax numbers and E-mail addresses, the appendix of the directory contains another three lists: Physiologists by countries, Physiologists by research interest and Physiologists by important species.

Each scientist was asked to choose his/her research interest from 22 research interest codes and to list 10 species with which they worked. A list of species names contains

1278 important species.

This edition of the directory is a very valuable tool of communication among the scientists and is relevant also to forest geneticists and tree breeders, for it contains numerous scientists working in the interdisciplinary fields.

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GENETICS AND SILVICULTURE OF BEECH

Genetics and Silviculture of Beech. Proceedings from the 5th Beech Symposium of the IUFRO Project Group P 1.10-10 (S. F. Madsen, ed.). Danish Forest and Landscape Research Institute. Forskningsserien No. 11. 272 pp, price 200 DKK, ISBN 87-89822-38-2, ISSN 0907-032X

Since the establishment of the IUFRO Project Group Genetics and Silviculture of Beech in 1984, the 5th IUFRO beech symposium took place in Mogenstrup Denmark. The previous symposia were organized in Großhansdorf, Germany (1984), Ljubljana, Slovenia (1986), Zvolen, Slovakia (1988) and Pamplona, Spain (1992). The symposium was aimed at four topics: (1) Provenances, (2) Genetics, (3) Genetic variation and conservation of genetic resources and (4) Silviculture. In total 47 scientists from 13 countries took part in the symposium. At the indoor sessions 18 papers and 13 posters were presented covering the main topics of the symposium.

In the reviewed proceedings 22 papers and 7 summaries of posters are published. In the first section of the proceedings there are seven papers aimed at the results of beech provenance experiments. There are not only the results of the provenance trials established by Krahl-Urban in 1951, 1954 and 1959 (Kleinschmit & Svolba) and of Danish and German experiments of the international provenance trial established in 1983/85 (Madsen or von Wühlisch, Muhs and Krusche, respectively) but also of Spanish and Polish national trials. These papers show well the state-of-the-art of beech provenance research in the all-European range.

The third section of this proceedings includes nine papers. Six of them are aimed at the geographic variation studies of the European beech populations using isozyme gene markers. Turok & Hattemer investigated beech popula-

tions in Nordrhein-Westphalia and give some theoretical ideas on selection of beech populations for gene pool conservation studies. Tröber investigated genetic structure and diversity of Saxonian beech populations and Lochelt the South-Western German beech populations. Two papers were published by Gömöry, Paule & Vyšný in which a broadly designed study of the genetic diversity and differentiation of Eastern European beech populations was presented. In the first study they compared the populations from the Carpathians and the adjacent regions, in the second one they tried to investigate the evolutionary aspect of the beech populations in the transition zone between *Fagus sylvatica* and *F. orientalis*. The last two papers bring the review of gene pool conservation activities in France and Denmark (Teissier du Cros and Bilger or Larsen, respectively).

When comparing the reviewed proceedings with those which were published from the previous above mentioned symposia on genetics and silviculture of beech there was a significant shift towards papers aimed at the genetics and gene pool conservation of the European beech.

The proceedings were published rather quickly after the symposium and are available from the Danish Forest and Landscape Research Institute, Horsholm, Denmark.

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