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Titolo	Canadian woods : their properties and uses / / edited by E. J. Mullins and T. S. McKnight
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	CONTENTS -- PREFACE -- ACKNOWLEDGMENTS -- 1 Canada: A Forest Nation -- THE FORESTS OF CANADA -- THE FOREST: A COMPLEX COMMUNITY -- THE HARVESTING OF FOREST PRODUCTS -- THE RENEWABLE RESOURCE -- REFERENCES -- 2 Commercial Woods -- SOFTWOODS (CONIFEROUS SPECIES) -- HARDWOODS (DECIDUOUS SPECIES) -- REFERENCE -- BIBLIOGRAPHY -- 3 The Structure of Wood -- TREE GROWTH -- Growth in Height -- Growth in Diameter -- CHARACTERISTICS OF WOOD -- Sapwood and Heartwood -- Grain, Texture, and Figure -- Color and Luster -- Odor and Taste -- STRUCTURE OF WOOD Softwoods Hardwoods -- CELL-WALL STRUCTURE -- Primary Wall -- S [sub(1)] Layer -- S [sub(2)] Layer -- S [sub(3)] Layer -- Microfibrils -- Water and Shrinkage -- Pits -- NATURAL DEFECTS AND ABNORMALITIES -- Knots -- Pitch Streaks and Pockets -- Cross Grain -- Shakes and Checks -- Brash Wood -- Reaction Wood -- VARIABILITY IN WOOD OF THE SAME SPECIES -- Variation between Trees -- Variation

within Trees -- IDENTIFICATION OF WOOD SAMPLES -- Key for Microscopic Identification of Woods Commonly Used in Canada -- BIBLIOGRAPHY

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Split Rings and Shear Plates Glulam Rivets -- Bolts -- Adhesive Joints
-- POLES AND PILING -- PHYSICAL PROPERTIES OF WOOD -- Acoustical Properties -- Electrical Properties -- Thermal Properties -- REFERENCES
-- APPENDIX -- 5 The Chemistry of Wood -- THE COMPONENTS OF WOOD -- Cellulose -- Hemicelluloses -- Lignin -- Extractives -- Bark -- Foliage -- APPLICATIONS OF WOOD CHEMISTRY -- Pulping -- Stains on Wood Products -- Chemical Identification of Species -- Bleed-through -- Utilization of Sawdust and Bark
WOOD CHEMICALS AND CHEMICAL BYPRODUCTS Cellulose and Its Derivatives -- Charcoal -- Wood Resin -- Maple Sap Products -- Saccharification of Wood -- Food and Food Supplements -- Vanillin -- Essential Oils -- Other Chemicals from Foliage -- Bark Tannins -- Fuel
-- THE FUTURE OF WOOD CHEMICALS -- Pyrolysis -- Hydrogenation -- Hydrolysis -- REFERENCES -- 6 Lumber Production -- HISTORY -- LUMBER MANUFACTURE -- Log Quality and Allocation -- Basic Steps in Lumber Manufacture -- Sawing Methods -- Saws -- Headrigs -- Secondary Sawmilling Machines

Sommario/riassunto

Canada's forests are one of its most important natural resources. Since the arrival of the earliest settlers, the forests have played a major role in the country's development, supplying the raw material for the necessities of life and for much of our industry. Completely revised and expanded, this edition of Canadian Woods is a comprehensive overview of a multi-faceted forest industry. Providing a complete review of the woods found in Canada and their commercial uses, it discusses the structure, the strength and physical properties, and the chemistry of wood, plus lumber production, wood drying, wood protection, and glues and gluing. Other chapters deal with the processing and use of woods and wood products, panel products, houses and structures, pulp and paper, and codes and standards in Canada. Lavishly illustrated with more than 280 photographs and drawings, the newly revised Canadian Woods is an essential reference for students and practitioners in the forest professions and in primary and secondary forest industries.

2. Record Nr.	UNINA9910895972803321
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Descrizione fisica	1 online resource
Disciplina	338.5/443/05
Soggetti	Economic history - 1971-1990 Economic forecasting Social sciences - Research Economic forecasting - Ireland economic forecasting single market economic growth Structural Funds unemployment public debt balance of payments Ireland prévision économique marché unique croissance économique Fonds structurel chômage dette publique balance des paiements Irlande Economic history Social conditions Wirtschaftsprognose Irland Periodicals. Ireland Economic conditions 1949- Periodicals Ireland Social conditions Periodicals Ireland

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