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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

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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.
