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Bibliography of Bark

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Compiled by
William D. Ross

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**FOREST RESEARCH LABORATORY
OREGON STATE UNIVERSITY
Corvallis**

PROGRAM AND PURPOSE

The Forest Research Laboratory of the School of Forestry combines a well-equipped laboratory with a staff of forest and wood scientists in a program designed to improve the forest resource and promote full utilization of forest products. The extensive research done by the Laboratory is supported by the forest industry and by state and federal funds.

The current report results from studies in forest products, where wood scientists and technologists, chemists, and engineers are concerned with properties, processing, utilization, and marketing of wood and of timber by-products.

The PROGRAM of research includes

- identifying and developing chemicals from wood,
- improving pulping of wood and wood residues,
- investigating and improving manufacturing techniques,
- extending life of wood by treating,
- developing better methods of seasoning wood for higher quality and reduced costs,
- cooperating with forest scientists to determine effects of growing conditions on wood properties, and
- evaluating engineering properties of wood and wood-based materials and structures.

The PURPOSE of research on forest products is to expand markets, create new jobs, and bring more dollar returns, thus advancing the interests of forestry and forest industries, by

- > developing products from residues and timber now wasted, and
- > improving treatment and design of present wood products.

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BIBLIOGRAPHY OF BARK

compiled by

William D. Ross

INTRODUCTION

Nearly three million tons of Douglas fir bark are produced yearly in Oregon as a by-product of logging. With increasing information available on the economic potential of bark and with increasing public pressure for less air pollution by burning, a careful study of the properties, chemistry, and possible uses of bark will be profitable in both money and public relations.

The present list of references includes those on Douglas fir bark found in Roth, et al. (1960), which covered the literature up to mid-1959 in an Institute of Paper Chemistry publication that itself included references from an earlier work by Marian and Wissing (1956). These references have been brought up to date with items listed in the Abstract Bulletin of the Institute of Paper Chemistry, Chemical Abstracts, reviews by Rowe and Pearl (1961) and by Rowe (1963), with the addition of references from smaller bibliographies. All of these compilations are fully cited in the section "Reviews and Bibliographies."

Abbreviations of names of publications cited are from Guide to the Use of Forestry Abstracts whenever such publications appear in the Guide. References to the Abstract Bulletin of the Institute of Paper Chemistry are page references throughout.

Wherever possible, the original languages of references and of summaries are indicated as follows; a capped abbreviation for language of the original and a lower case initial letter or abbreviation for language of summary, as in the example (Russ. e.), meaning "in Russian with an English summary."

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