Proceedings of the

Symposium on Dwarf Mistletoe Control Through Forest Management

April 11-13, 1978, Berkeley, California

PACIFIC SOUTHWEST
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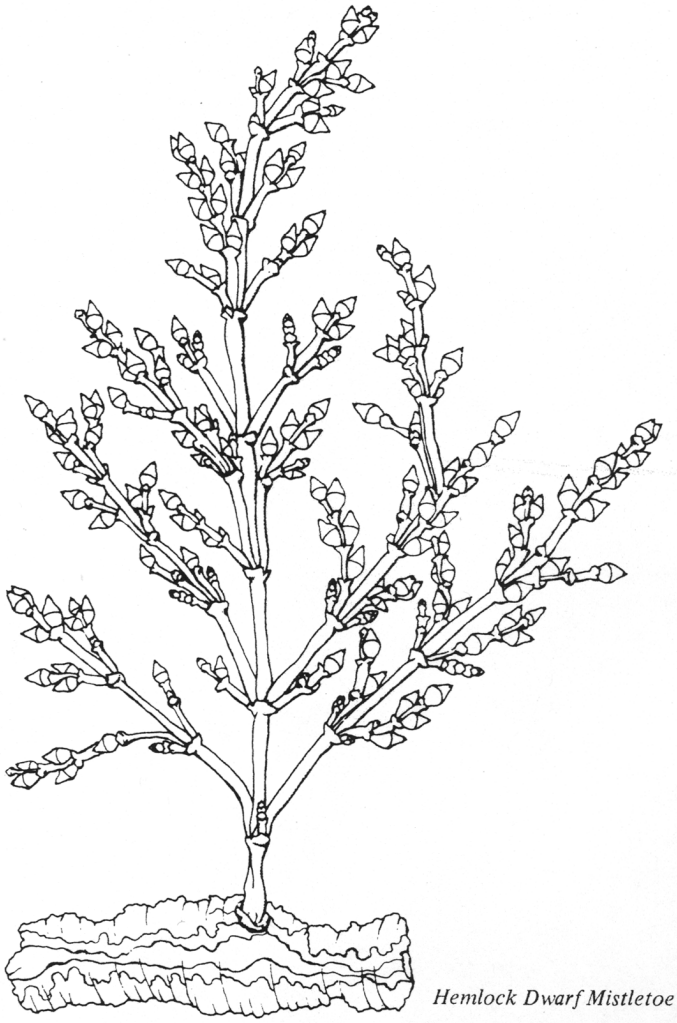

Hemlock Dwarf Mistletoe

GENERAL TECHNICAL
REPORT PSW-31

Proceedings of the Symposium on Dwarf Mistletoe Control Through Forest Management, April 11-13, 1978, Berkeley, California

Robert F. Scharpf John R. Parmeter, Jr.
Technical Coordinators

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These Symposium papers cover bases of control, control planning and decisionmaking, control operations and accomplishments, refining and improving control techniques, and pest damage and integrated control. A program summary and a list of literature references on the dwarf mistletoes are included.

Oxford: 412:442.1:176.1 *Arceuthobium campylopodum.*
Retrieval Terms: dwarf mistletoe; silvicultural control; disease control; control systems.

PREFACE

Dwarf mistletoes have long been recognized as among the most damaging diseases of conifers in western North America. Since the early 1900s, research and experimental management to control dwarf mistletoes have occupied the time of many workers in State, Provincial and Federal agencies of Canada and the United States. This effort has produced a voluminous literature and a fund of experience and observation of value to forest managers. Information, however, is scattered widely through the literature, stored in office archives, or carried in the heads of workers. In these forms, it is not always readily accessible or suitably organized for use by managers.

This Symposium, held in Berkeley, California, April 11-13, 1978, was designed to bring together current knowledge and experience in dwarf mistletoe control, with emphasis on forest management. The five sessions covered (a) the biological and silvicultural information on which control procedures are based; (b) the methods of collecting and applying information essential to control planning and decisionmaking; (c) the mechanics of control operations and assessment of accomplishments; (d) the needs for refining and improving control techniques; and (e) the integration of dwarf mistletoe control with other pest control and silvicultural requirements in stand management.

To speed up the publication of Symposium Proceedings, we decided to have each author assume full responsibility for submitting manuscripts in photoready format by the time the conference convened. The views expressed in each paper are those of the author and not necessarily those of the sponsoring organizations. Trade names are used solely for necessary information and do not imply endorsement by the sponsoring organizations.

We thank the many people who assisted in this Symposium. Julie Hart, Joan Green, Shirley Ramacher, and Johann and Nancy Bruhn helped in making local arrangements. Richard Clark, Marcia Wood, and illustrators from the Rocky Mountain Forest and Range Experiment Station and the Forest Service's Rocky Mountain and California Regions put together the visual aids. And finally we thank the speakers and panel moderators, who willingly gave their time and effort in the preparation and presentation of symposium papers, and the many participants whose questions and comments contributed much to the spirited discussion and exchange of ideas.

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