

- Forest Service  
San Francisco, California

BINDER-COPY

94111 Insects

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Director, National Park Service  
180 New Montgomery Street  
San Francisco, California

Homer J. Hixon, Assistant Regional Forester, By

Detection (Craters of the Moon N.M. - Insects DR Nos. 100 and 115/64)

We have received identification of two insect samples, DR 100/64 and DR 115/64, that were collected by D. S. Horning in the Craters of the Moon National Monument at Arco, Idaho. The identifications were made by M. Wasbauer and G. Okumura, Systemic Entomologists with the California Bureau of Entomology at Sacramento. Their findings, copies of which are enclosed for your records, are incomplete since most immature stages of insects cannot be identified down to species by larval characters alone. Adults are needed. If at all possible, we would appreciate receiving adult specimens as requested by Wasbauer.

The members of the genus *Neodiprion* are commonly called sawflies, the larvae of which are responsible for defoliating a large variety of trees and shrubs. At the present time, this genus is undergoing a taxonomic revision consequently a species identification is not possible. Instead group identifications are made and you will note the sawflies collected in Arco belong to the same group (*abietis*) as our native white-fir sawfly and could conceivably be the same species. We are, therefore, sending you two copies of the Forest Science reprint "Biology and Control of the White-Fir Sawfly" by George Struble. This pamphlet will give you information on the life cycle and control of the latter mentioned pest.

The larvae collected on ribes are tent caterpillar of the genus *Mala-cosoma*. This genus is indigenous to the North American continent, its members being responsible for defoliating many different species of deciduous trees and shrubs. Deciduous plants, however, can readily recover from loss of foliage so that the resultant damage is usually of no great importance.

We hope that the above information will be of some value to you and appreciate your keeping us informed about your insect problems. If we can be of any further assistance, please let us know.

Enclosures (4)  
(Orig + 3 NPS)

W. R. HOWDEN