

The Scolytidae of the Logan Canyon Area In Utah and Their Host Plants

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A study of the bark beetles of the Logan Canyon area of northern Utah resulted in the rediscovery of several virtually unknown Scolytidae and in finding some host relationships which were previously unknown. All collections were made by the author during the years 1946 to 1949. The following list gives the name and the host plant of the Scolytidae collected during this study.

- Scolytus rugulosus* Ratz. *Prunus virginiana*, var. *melanocarpa*.
S. monticolae (Swaine). *Pseudotsuga taxifolia*.
S. praeceps LeConte. *Picea engelmanni*, and *Pseudotsuga taxifolia*.
S. opacus Blackman. *Abies lasiocarpa*.
S. unispinosus LeConte (?). *Pseudotsuga taxifolia*.
S. piceae (Swaine). *Picea engelmanni*.
Crypturgus borealis Swaine. *Picea engelmanni*, and *Abies lasiocarpa*.
Polygraphus rufipennis (Kby.). *Picea engelmanni*.
P. hoppingi Swaine. *Picea engelmanni*.
Renocis heterodoxus Casey. *Cerocarpus montanus*, *C. ledifolius*, *Amelanchier* spp., and *Prunus virginiana*, var. *melanocarpa*.
Carphoborus simplex LeConte. *Pinus flexilis*, and *P. monophylla*.
C. ponderosae Swaine. *Pinus contorta*.
Phloeotribus puberulus LeConte. *Picea engelmanni*, *Pseudotsuga taxifolia*, and *Abies lasiocarpa*.
Dendroctonus monticolae Hopkins. *Pinus flexilis*, and *P. contorta*.
D. pseudotsugae Hopkins. *Pseudotsuga taxifolia*.
D. engelmanni Hopkins. *Picea engelmanni*.
D. murrayanae Hopkins. *Pinus contorta*.
D. valens LeConte. *Pinus flexilis*, and *P. contorta*.
Phloeosinus hoferi Blackman. *Juniperus utahensis*.
P. neomexicanus Blackman. *Juniperus utahensis*.
Xylechinus montanus Blackman. *Picea engelmanni*.
Scierus annectens LeConte. *Pinus contorta*, and *Picea engelmanni*.
Pseudohylesinus nebulosus (LeConte). *Pseudotsuga taxifolia*.
Hylurgops rugipennis (Mann.). *Pinus flexilis*, and *P. contorta*.
H. porosus (LeConte). *Pinus flexilis*, and *P. contorta*.
Hylastes subopacus Blackman. *Abies lasiocarpa*.
Trypodendron retusum (LeConte). *Populus tremuloides*.

- T. bivittatus* (Kby.). *Abies lasiocarpa* (Hook.) Nutt.
T. rufitarsis (Kby.). *Pinus contorta*, and *Picea engelmanni*.
Cryphalus approximatus Hopkins. *Picea engelmanni*, and *Abies lasiocarpa*.
Procryphalus populi Hopkins. *Populus tremuloides*.
P. utahensis Hopkins. *Salix scouleriana*.
Trypophloeus populi Hopkins. *Populus tremuloides*.
T. punctipennis Hopkins. *Salix scouleriana*.
Gnathotrichus retusus (LeConte). *Pinus flexilis*, *P. contorta*, and *Pseudotsuga taxifolia*.
Conophthorus flexilis Hopkins. *Pinus flexilis*.
Myeloborus pinquis Blackman. *Pinus flexilis*.
Pityophthorus inquietus Blackman. *Pinus flexilis*, and *P. monophylla*.
P. demissus Blackman. *Abies lasiocarpa*.
P. opimus Blackman. *Pinus flexilis*, and *Picea engelmanni*.
P. tuberculatus Eichhoff. *Pinus contorta*, and *P. monophylla*.
P. pseudotsugae Swaine. *Pseudotsuga taxifolia*, and *Abies lasiocarpa*.
P. confertus Swaine. *Pinus contorta*.
P. burkei Blackman. *Pinus contorta*.
P. gracilis Swaine. *Pinus contorta*.
P. bassetti Blackman. *Picea engelmanni*.
P. virilis Blackman. *Rhus trilobata*.
Pityogenes fossifrons (LeConte). *Pinus flexilis*, *P. contorta*, and *Picea engelmanni*.
P. knechteli Swaine. *Pinus contorta*.
Ips radiatae Hopkins. *Pinus contorta*.
I. latidens (LeConte). *Pinus flexilis*, and *P. contorta*.
I. guildi Blackman. *Pinus contorta*.
I. oregonis (Eichhoff). *Pinus contorta*.
Pityokteines minutus (Swaine). *Abies lasiocarpa*.
Orthotomicus lasiocarpi Swaine. *Pinus contorta*, *Picea engelmanni*, *Pseudotsuga taxifolia*, and *Abies lasiocarpa*.
Anisandrus pyri (Peck). *Populus angustifolia*, and *Betula fontinalis*.
Xyleborus saxeseni (Ratz.). *Populus angustifolia*.
X. scopulorum Hopkins. *Pinus contorta*.
Dryocoetes sechelti Swaine. *Pseudotsuga taxifolia*, and *Abies lasiocarpa*.
D. confusus Swaine. *Abies lasiocarpa*.
D. pubescens Swaine. *Picea engelmanni*.