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Additional Records of Ectomycorrhizal Macrofungi in the Vicinity of Grand Teton and Yellowstone National Parks

Kent H. McKnight
Brigham Young University

Meinhard M. Moser
Leopold-Franzens-Universität Innsbruck

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INTRODUCTION

Fieldwork on this project and study of previous collections in 1994 concentrated on the primary long-term objective of adding to the species inventory of the broad geographic area previously defined (McKnight, 1982; McKnight, et al., 1986; McKnight & Moser, 1993) using the same collecting, laboratory, and herbarium methods. Our studies again concentrated on the Cortinariaceae, particularly the genus *Cortinarius*. This work was aided significantly when we were joined for a short time during August by Dr. Egon Horak from the Geobotanisches Institut, ETH Zurich, Switzerland, currently specializing in the genus Galerina.

DATA

The extremely dry weather during July and August produced the least precipitation during the comparable time in any of the twelve years of our collaborative studies in this area. This made it extremely difficult to find fruiting fungi. For much of the season these were most often found in normally swampy or boggy areas which were unexpectedly or prematurely drying out. Furthermore, the specimens which we did locate were frequently not in satisfactory condition or sufficient quantity for study. On the other hand, a considerable number of those studied may have been passed over in a better fungus fruiting season. Many require more laboratory and herbarium study for a final identification.

SPECIES NEW TO CHECKLIST

*Arrhenia lobata* (Persoon: Fries) Kuhner & Lamoure

*Boletus pinicola pinicola* Vittadini

*Bryoglossum gracile* (Karsten) Redhead (=*Mitrula gracilis* Karsten)

*Camarophyllus borealis* (Peck) Muarrill

*Catathelasma ventricosum* (Peck) Singer

*Collybia cookei* (Bresadola) J. D. Arnold

*Cortinarius bistreoides* Kauffman

- *cephalixis* Fries (Fig. 1)
- *glandicolor* Fries (Fig. 2)
- *helvelloidus* Fries (Fig. 3)
- *tonosmus* Moser (Fig. 4)
First record for North America.
parvannulatus Kuhner
porphyrops Fries
tabularis Fries

Gymnopus penetrans (Fries) Murrill

Hypholoma elongatipes Peck

Lactarius deliciosus Fries var. caespitosus

Mythicomyces cornuipes Fries

Omphalina rivulicola (Favre) Lamoure

Phaeogalera stagnina (Fries Kuhner

NOMENCLATURAL NOTES

Exceptionally good fruiting found in all stages of development allowed Moser to confirm the identity of the following:

Suillus flavidus (Fries) Singer = S. umbonatus Dick & Snell

♦ LITERATURE CITED


1. Cortinarius cephalizus Fr.

2. Cortinarius glandicolor Fr.
3
Cortinarius helvelloides Fr.

4
Cortinarius ionosmus Mos.