

Determination of Levels of Cesium 137 and Strontium 90
in Fleshy Fungi from Wisconsin and Wyoming

John W. Baxter
Department of Botany
University of Wisconsin-Milwaukee
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During June and July abundant material of three fleshy fungi (Helvella gigas, Caloscypha fulgens and Discina ancilis) was obtained in the Medicine Bow National Forest in southern Wyoming. Unfortunately, collecting in Jackson Hole during August was not so rewarding. Because of the extremely dry conditions, only one fungus, Cortinarius sp., was collected in a quantity sufficient for determination of levels of cesium 137 and strontium 90.

Because of the scarcity of fleshy fungi most of the period spent at the Jackson Hole station was devoted to collecting rust fungi and aquatic hyphomycetes. The following species were added to the list of aquatic hyphomycetes previously recorded for the Jackson Hole region:

Tetracladium maxilliformis
Dactyllela aquatica
Centrospora angulata
Actinospora megalospora
Heliscus lugdunensis
Heliscus submersus
Clavatospora stellata

These are the first records of these species from the Rocky Mountain region.

Among the rusts collected was Puccinin subdecora, on Brickellia grandiflora, near Inspiration Point in Cascade Canyon. This species was previously known only from the type material, collected in Colorado, and a collection from the Wasatch Mountains in Utah.