

Spring 1971

# Mycological research at the Field Station

John Baxter

*University of Wisconsin-Milwaukee*

Follow this and additional works at: [http://dc.uwm.edu/fieldstation\\_bulletins](http://dc.uwm.edu/fieldstation_bulletins)



Part of the [Forest Biology Commons](#), and the [Zoology Commons](#)

---

## Recommended Citation

Baxter, J. 1971. Mycological research at the Field Station. *Field Station Bulletin* 4(1): 18.

This Article is brought to you for free and open access by UWM Digital Commons. It has been accepted for inclusion in *Field Station Bulletins* by an authorized administrator of UWM Digital Commons. For more information, please contact [kristinw@uwm.edu](mailto:kristinw@uwm.edu).

During the past three years, several mycological research projects have been conducted partially at the Field Station or have used research material obtained at the Station. These include a study of cellulose-digesting fungi from soils of the area (Gatford, 1969), an investigation of lignin digestion by wood-rotting fungi collected at the Station (Flashinski, 1970), and life cycle studies of certain rust fungi of southeastern Wisconsin (Baxter, 1971).

At the present time two new mycological research projects are being planned. One of these, recently approved by the Field Station Committee, is a study of levels of cesium-137 and strontium-90 in fleshy fungi from Wisconsin and Wyoming. This will be conducted in collaboration with Dr. Ralph Grunewald and Stephen Ballou, a graduate student in botany. A recent report (Johnson and Nayfield, 1970) has indicated that fleshy fungi can accumulate significant amounts of these radionuclides. The UWM Field Station will be one of two areas to be sampled in Wisconsin.

Also planned for 1971 and 1972 is the preparation of a check list and identification manual for the fleshy fungi of the Field Station area. The identification manual can be used as a starting point for a manual of the fleshy fungi of Wisconsin, to be completed within the next five years.

### Literature Cited

- Baxter, J. W. 1971. Life cycle studies of North American rust fungi. *Mycologia* (in press).
- Gatford, N. A. 1969. Cellulolytic microfungi occurring in Casco loam soil from The University of Wisconsin—Milwaukee Cedarburg-Saukville Field Station. M.S. Thesis, The University of Wisconsin—Milwaukee, 1970.
- Flashinski, S. J. 1970. Fungal degradation of sulfonated lignin. M.S. Thesis, The University of Wisconsin—Milwaukee.
- Johnson, W. and C. L. Nayfield. 1970. Elevated levels of cesium-137 in common mushrooms (Agaricaceae) with possible relationship to high levels of cesium-137 in whitetail deer, 1968-1969. *Radiological Health Data and Reports*, 527-531.

John Baxter  
Department of Botany  
The University of Wisconsin—Milwaukee