

## INDIANA FUNGI—III.

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 J. M. VAN HOOK.  
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The season 1912 was one disappointing to the student of fleshy fungi in this region. The usual summer and fall study of this group had to be given up almost entirely. On the other hand, we obtained a very large number of parasitic species. Only a few of these have as yet been classified.

Some of the common economic parasitic species have appeared in this neighborhood this year as unusually destructive. The blight of tomatoes (*Septoria lycopersici*), has been severe, as have both the *Septoria* and *Gloeosporium* blights of gooseberry and currants. These bushes have, in many cases, been completely defoliated, in July and August and aside from a few leaves at the tip, very little development followed. Oat smut was generally prevalent and the crop loss large in the southern counties.

*Lactarius indigo* was found for the first time and in a location carefully hunted over for the last six years.

The following is a list of those classified during the past year and not heretofore reported:

## USTILAGINEÆ.

*Ustilago avenae* (Pers.) Jens. Bloomington, Monroe County. (Date unknown.) 3438.

*Ustilago tritici* (Pers.) Rostr. On wheat, Monroe County, June 1912. Bourke. 3437.

## UREDINEÆ.

*Uromyces caryophyllinus* (Schrank.) Winter. On living leaves of carnation, Monroe County, February 8, 1912. J. M. V. 3273.

*Melampsora farinosa* (Pers.) Schroet. On living leaves of *Salix nigra*, Brown County, August 25, 1908. J. M. V. 3270.

## CLAVARIACEÆ.

*Clavaria vermicularis* Scop. On ground, woods, Monroe County, July 18, 1912. J. M. V. 3419.

*Lachnocladium micheneri* B. & C. On dead leaves in woods, Monroe County, July 19, 1912. J. M. V. 3416.

## HYDNACEÆ.

*Irpex fuscescens* (Schw.) On oak limb, woods, Monroe County, July 19, 1912. J. M. V. 3416.

## AGARICACEÆ.

*Cortinarius lilacinus* Fk. Ground, woods, Griffey Creek hills, Monroe County, July 12, 1912. J. M. V. 3410.

*Cortinarius sanguineus* Fr. Ground, woods, Griffey Creek hills, Monroe County, July 18, 1912. J. M. V. 3426.

*Lactarius hygrophoroides* B. & C. Ground, Trevalac, Brown County, July 20, 1912. J. M. V. 3430. (The stems of some of these plants attain a length of two and one-half inches and a thickness of seven-eighths inch, while the pileus is often four inches across.)

*Lactarius indigo* (Schw.) Fr. On ground, top of Hemlock Bluff, Trevalac, Brown County, July 20, 1912. J. M. V. 3427.

*Lentinus suavisissimus* Fr. On twig of maple, Huckleberry Hills, Monroe County, July 18, 1912. J. M. V. 3421.

*Panus strigosus* B. & C. On limbs of fallen red oak, Unionville, Monroe County, July 7, 1912. 3421.

## ASCOMYCETES.

*Geoglossum glabrum* Pers. Very rotten wood, point near Shuffle Creek, Monroe County, July 12, 1912. A. A. Bourke. 3434.

*Holwaya gigantea* (Fk.) Durand. On oak log, Third Street Pike, Monroe County, November 27, 1911. Sutton. 3233.

*Leotia lubrica* (Scop.) Pers. Ground, Griffey Creek hills, Monroe County, July, 1912. J. M. V. 3407.

*Microglossum rufum* (L. & S.) Underw. Very rotten wood, point near Shuffle Creek, Monroe County, July 27, 1912. A. A. Bourke. 3433.

*Pseudopeziza Ribis* Kleb. On currants, Monroe County, September 12, 1912. J. M. V. 3439.

*Sarcocypha floccosa* Schw. On rotten sticks covered with leaves, one mile north of Bloomington, Monroe County, July 10, 1912. Zetterberg.

*Trichoglossum hirsutum* (Pers.) Bond. Very rotten wood, point near Shuffle Creek, Monroe County, July 12, 1912. A. A. Bourke. 3435.

## SPHAEROPSIDALES.

*Ascochyta pisi* Lib. On leaves, stems and pods of cultivated peas, Monroe County, summer of 1912. J. M. V. 3441.

*Septoria ribis* Desm. On gooseberry, near Bloomington, Monroe County, October 13, 1911. Sutton. 3450.

#### MELANCONIALES.

*Cylindrosporium capsellae* E. & E. On leaves of *Capsella Bursa-pastoris*, Monroe County, summer of 1912. Sutton. 3451.

*Glocosporium rubi* E. & E. On leaves of raspberry, Hackleberry Hill, Monroe County, November 3, 1911. Sutton. 3448.

#### HYPHOMYCETES.

*Alternaria Dianthi* S. & H. On leaves and stems of carnation, greenhouse, Monroe County, February 8, 1912. J. M. V. 3272.

*Cercospora plantaginifolia* Sacc. On *plantago lanceolata*, Fee Pike, Monroe County, October 12, 1911. Sutton. 3459.

*Monilia cinerea* Bon. On fruit of apple, Huntington County, December 9, 1911. Meier. 3244.

*Indiana University, December, 1912.*

