

## RARE GASTEROMYCETES OF INDIANA

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Following the heavy rains which broke the drought of 1934 there appeared a luxuriant crop of various species of mushrooms and the larger fungi in the vicinity of Crawfordsville, Indiana. The order Phallales (Stinkhorns) was uncommonly numerous as individuals and two species were discovered which the writer had never seen in Indiana nor elsewhere.

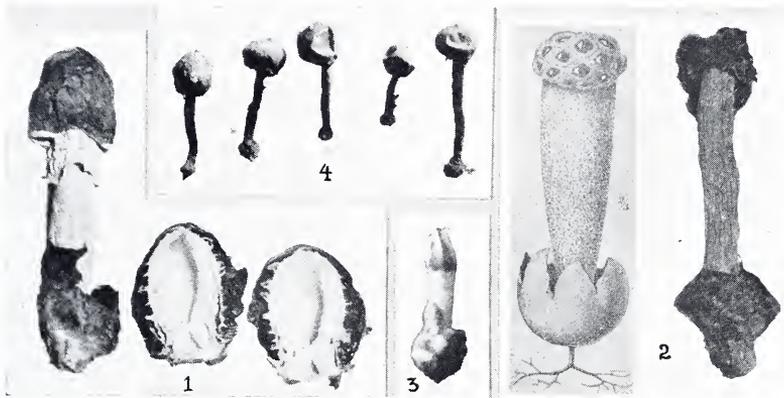


Fig. 1. *Dictyophora duplicata*. Fig. 2. *Simblum sphaerocephalum*. The drawing is from Engler and Prantl Nat. Pflanzenf. Fig. 3. *Anthurus borealis*. Fig. 4. *Tylostoma mammosum*.

*Dictyophora duplicata* (Bosc.) E. Fischer (fig. 1) was most numerous. During three weeks in September about two dozen plants of this species appeared among the shrubbery on the rear part of a city lot. *Ithyphallus Ravenellii* (B. and C.) E. Fischer appeared in lawns, one large clump between the street curb and sidewalk. *Mutinus elegans* Mont. appeared in lawns and in pastures.

The two choice finds were *Simblum sphaerocephalum* Schlecht. and *Anthurus borealis* Burt. (figs. 2, 3). The former was found in a pasture west of Crawford's Woods, west of Crawfordsville. There are few reports of this fungus in our literature (1, 2).

*Anthurus borealis* seems to be a rarer plant in the United States. During the months of August and September it appeared daily on a garden spot where sawdust had been dumped a year before. This was on the east side of Crawfordsville, at 1720 Elmore Street. Fully a hundred plants appeared. This plant has been reported a few times in

several of the eastern states (3, 4, 5, 6). The writer will be glad to hear of other finds of *Simblum* and *Anthurus* in Indiana.<sup>1</sup>

In the fall of 1922 *Tylostoma mammosum* Fr. was found on a sandy spot along Dry Branch in Crawford's Woods (Fig. 4). The same spot was visited annually since 1922 but none had ever been found again until this fall, 1934. Lloyd identified it in 1922. He then recognized it to be the same as the European species (7).

#### REFERENCES

- (1) Gerard. Bull. Torr. Bot. Club 7:8. 1880.
- (2) Coker and Couch. The Gastromysetes of E. U. S. and Canada. 1928.
- (3) Burt. Mem. Boston Soc. Nat. Hist. 3:504. 1894.
- (4) Lloyd. Myc. Notes, p. 386, fig. 219; p. 513, fig. 510.
- (5) Volkert. Mycologia. 4:Pl. 68. 1912.
- (6) Hard. The Mushroom, edible and otherwise. p. 527, fig. 450. 1908.
- (7) Coker and Couch. l. c., p. 151. Pl. 83.

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<sup>1</sup>Mr. Willard N. Clute, Indianapolis, reports that *Anthurus borealis* has appeared several summers in the Botanic Garden at Butler University.