

MYXOMYCETES OF BLACKHAWK STATE PARK, ROCK ISLAND, ILLINOIS

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ABSTRACT - A survey of the Myxomycetes of Blackhawk State Park, Rock Island, Illinois yielded twenty-five species. Among these, Stemonitis pallida Wingate and Physarum flavicomum Berk., are new to the state. This brings the total number of species of Myxomycetes reported from Illinois to 149.

Blackhawk State Park is located on the south edge of, but within the City of Rock Island. It covers 207 acres of rolling slopes and virgin deciduous woods. On the north, east, and west sides of the park are residential areas. On the south side, the park borders on the Rock River.

The relatively sparse tree population is composed of Quercus rubra L., Q. velutina Lam., Q. alba L., Q. macrocarpa Michx., Gleditsia triacanthos L., Robinia pseudoacacia L., Platanus occidentalis L., Acer negundo L., A. saccharinum L., Populus deltoides Marsh., Carya ovata (Mill.) K. Koch, Prunus serotina Ehrh., Catalpa bignonioides Walt., Cercis canadensis L., and Tilia americana L. The rather dense ground cover of mosses, ferns, and other herbaceous plants is characteristic throughout most of the park.

Collections were obtained primarily from six different sites in the park over a period of four years (1967-1970). Most specimens were obtained on decaying matter, usually wood. None were raised in moist chambers. Species names utilized are those accepted by Martin and Alexopoulos (1969). All are deposited in the Herbarium of Augustana College, Rock Island, Illinois.

The most ubiquitous species in the park are Hemitrichia clavata (Pers.) Rost., H. stipitata (Masse) Macbr., Metatrachia vesparium (Batsch) Nann.-Brem., Arcyria cinerea (Bull.) Pers., Stemonitis axifera (Bull.) Macbr., and S. fusca Roth. Stemonitis pallida Wingate and Physarum flavicomum Berk. are new records for the state.

SYSTEMATIC ARRANGEMENT OF SPECIES COLLECTED

- Ceratiomyxales  
  Ceratiomyxaceae  
    1. Ceratiomyxa fruticulosa (Muell.) Macbr.
- Liccales  
  Reticulariaceae  
    2. Lycogala epidendrum (L.) Fries  
    3. Lycogala exigua Morgan  
  Cribrariaceae  
    4. Dictydium cancellatum (Batsch) Macbr.
- Trichiales  
  Trichiaceae  
    5. Perichaena chrysosperma (Currey) A. Lister  
    6. Arcyria cinerea (Bull.) Pers.  
    7. Arcyria denudata (L.) Wettst.  
    8. Metatrichia vesparium (Batsch) Nann.-Brem.  
    9. Hemitrichia clavata (Pers.) Rost.  
    10. Hemitrichia stipitata (Masse) Macbr.  
    11. Trichia varia (Pers.) Pers.
- Stemonitales  
  Stemonitaceae  
    12. Stemonitis axifera (Bull.) Macbr.  
    13. Stemonitis flavogenita Jahn  
    14. Stemonitis fusca Roth  
    15. Stemonitis pallida Wingate  
    16. Stemonitis smithii Macbr.  
    17. Stemonitis splendens Rost.  
    18. Lamproderma arcyrioides (Sommerf.) Rost.  
    19. Comatricha pulchella (C. Bab.) Rost.  
    20. Comatricha typhoides (Bull.) Rost.
- Physarales  
  Physaraceae  
    21. Physarum didermoides (Pers.) Rost.  
    22. Physarum flavicomum Berk.  
    23. Physarum notabile Macbr.  
    24. Physarum nutans Pers.  
    25. Physarum viride (Bull.) Pers.

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LITERATURE CITED

- Martin, G. W. and C. J. Alexopoulos. 1969. The Myxomycetes. University of Iowa Press, Iowa City.