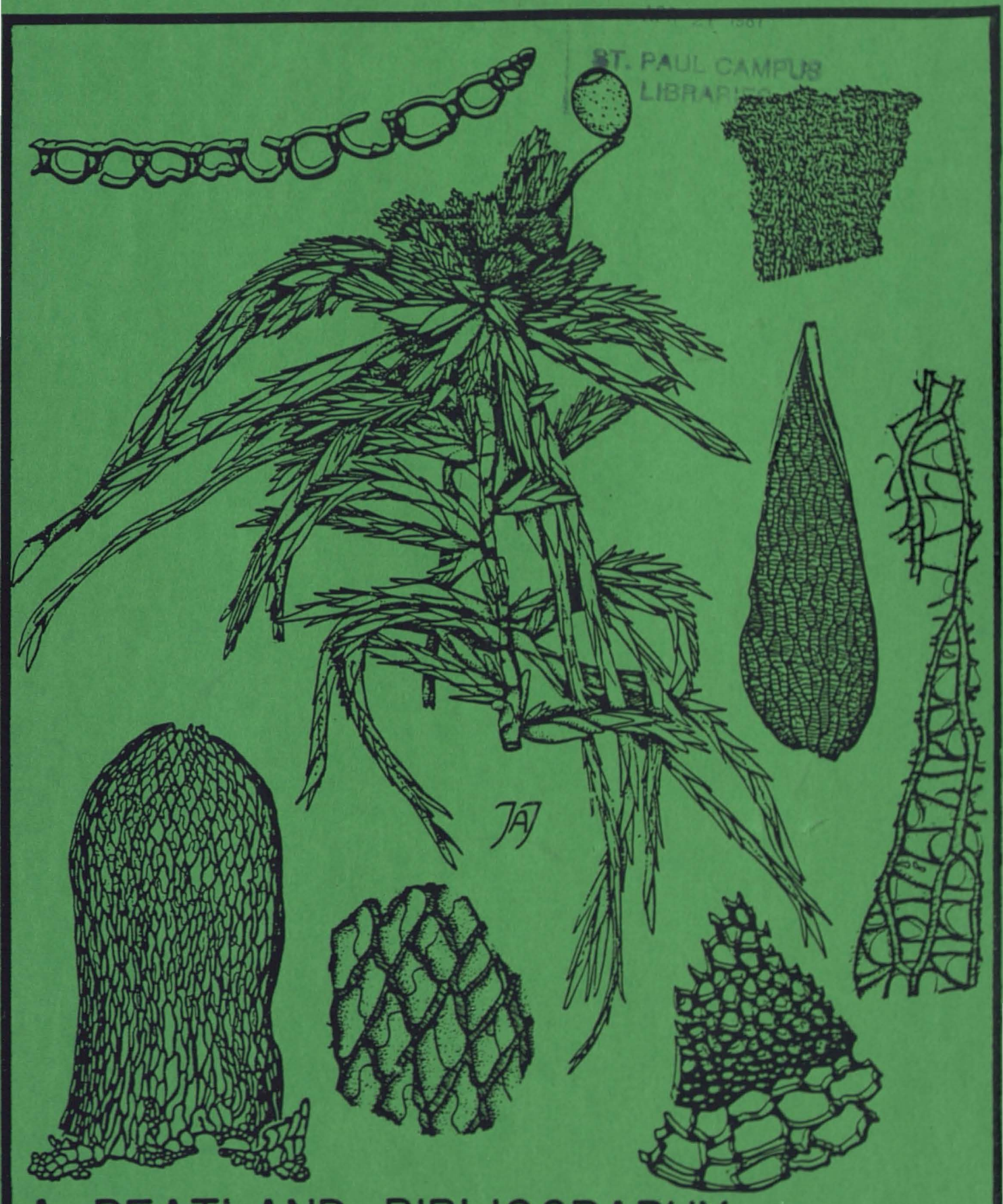

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A PEATLAND BIBLIOGRAPHY, CHIEFLY WITH REFERENCE TO THE ECOLOGY, HYDROLOGY AND BIOGEOCHEMISTRY OF SPHAGNUM BOGS

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PREFACE

This bibliography has been prepared during the course of a five-year collaborative project by thirteen co-investigators and their associates on the ecology, hydrology, and biogeochemistry of Sphagnum bogs, and covers references gathered through March, 1984. We are grateful for the support of the National Science Foundation (Grant DEB--7922142), and for the assistance of numerous colleagues who have supplied citations, bibliographies, and encouragement. We also thank Dr. Jan A. Janssens for the cover illustration of Sphagnum fuscum.

Although the focus of the bibliography is on the biogeochemistry, hydrology, and ecology of Sphagnum bogs, some citations to other fields of research have been included because they relate to studies of Sphagnum bogs, e.g., general papers on precipitation chemistry, reviews of litter decomposition, and articles on moss and lichen physiology. Papers on useful or promising methods have also been cited, even if they have not yet been applied to peatland ecosystems.

Some references have been omitted in order to keep the bibliography to a manageable size, other omissions are simply due to oversight. An effort has been made to include relatively recent references whose bibliographies will be of use in seeking earlier literature on a specific topic, rather than to provide complete coverage of all the articles on a given subject (particularly when one author has a number of publications on a certain topic). Except in a few instances, unpublished theses are excluded.

USE OF THE BIBLIOGRAPHY

Citations can be sought in two ways. First, an index based on words and word-pairs in the titles is provided at the end of the bibliography. Second, each reference has been placed in one or more of the 27 numbered categories described on the following page. The appropriate numbers are spaced across the pages of the bibliography so that each numbered category always appears in the same column. Articles in a particular subject category may be found rapidly by placing a transparent ruler vertically beside the relevant numbers down each page. The thoroughness of our assignment to categories has been somewhat variable, depending on whether we have read the paper, scanned an abstract, or seen only a title. Users can readily add to the numbers for the papers known to them. We would be grateful if any errors or omissions of major importance could be called to our attention.

Categories (referring to the numbers beneath each reference)

1. General (many different categories)
2. Classification of peats and peatlands
3. Regional ecology
4. Landforms and vegetation patterns
5. Plant communities, floristics
6. Animal communities, faunistics
7. Autecology and distribution of vascular plants
8. Autecology and distribution of bryophytes
9. Autecology and distribution of lichens
10. Autecology and distribution of algae
11. Autecology and distribution of animals
12. Environmental controls (climate, topography, soil parent material)
13. Hydrology and water relations
14. Physical properties of peats and peatlands, erosion, micrometeorolgy
15. Atmospheric deposition
16. Chemical properties of plants, peats and waters
17. Biogeochemical cycles, budgets, mass balances
18. Plant growth, biomass, productivity, trophic dynamics
19. Rate of peat accumulation
20. Decomposition
21. Microbiology, mycology
22. Stratigraphy (paleoecology, paleogeochemistry, paleoclimatology)
23. Ecological effects of fire
24. Ecological aspects of flooding, drainage, utilization, rehabilitation
25. Conservation, management
26. Methods (sampling, analysis, dating), apparatus
27. Bibliographies (including papers with extensive general or specialized reference lists)

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