

1987

## Back Matter

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### Recommended Citation

(1987). Back Matter. *Journal of the Minnesota Academy of Science, Vol. 52 No.3*, 28-28.  
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- D.F. Whigham, and R.L. Simpson (eds.) *Freshwater Wetlands. Ecological Processes and Management Potential*. New York: Academic Press.
7. Penko, J.M. 1985. Ecological studies of *Typha* in Minnesota: *Typha* - insect interactions and the productivity of floating stands. M.S. Thesis. University of Minnesota, Minneapolis.
  8. Bernard, J.M., and Fitz, M.L. 1979. Seasonal changes in aboveground primary production and nutrient contents in a central New York *Typha glauca* ecosystem. *Bull. Tor. Bot. Club.* 106:37-40.
  9. Loeffers, V.J. 1983. Growth of *Typha latifolia* in boreal forest habitats as measured by double sampling. *Aquat. Bot.* 15:335-348.
  10. Smith, L.M., and Kadlec, J.A. 1985. Fire and herbivory in a great salt lake marsh. *Ecology.* 66:259-265.
  11. Anonymous. 1979. The 1979 resource inventory for Boot Lake Natural Area, Anoka Co., Minnesota. *Minn. Dept. Nat. Res.* (Draft).
  12. van der Valk, A.G., and Davis, C.B. 1980. The impact of a natural drawdown on the growth of four emergent species in a prairie glacial marsh. *Aquat. Bot.* 9:301-322.
  13. Dickerman, J.A., and Wetzel, R.G. 1986. Clonal growth in *Typha latifolia* L.: population dynamics and demography of the ramets. *J. Ecology.* (in press).
  14. Hardtl, H. 1938. Die Wirkung eines schilfeulenbefalls and *Typha* - Bestanden. *Ztsch. F. Pflanzen.* 48:59-63.
  15. Pancoast, J.M. 1937. Muskrat industry in southern New Jersey. *Trans. N. Amer. Wildl. Conf.* 2:527-530.
  16. Lynch, J.J., Oneil, T., and Lay, D.W. 1947. Management significance of damage by geese and muskrats to gulf coast marshes. *J. Wildl. Manag.* 11:50-76.
  17. Pelikan, J., Svoboda, J., and Kvet, J. 1970. On some relations between the production of *Typha latifolia* and a muskrat population. *Zool. Listy.* 19:303-320.
  18. Farney, R.A., and Bookhout, T.A. 1982. Vegetation changes in a Lake Erie marsh (Winous Point, Ottawa County, Ohio) during high water years. *Ohio J. Sci.* 82:103-107.
  19. McDonald, M.E. 1955. Causes and effects of a die off of emergent vegetation. *J. Wildl. Manag.* 19:24-35.
  20. Anderson, C.M. 1977. Cattail decline at Farmington Bay waterfowl management area. *Great Basin Nat.* 37:24-34.
  21. Haslam, S.M. 1969. The development of shoots in *Phragmites communis* Trin. *Ann. Bot.* 33:695-709.
  22. Gustafson, T.D. 1976. Production, photosynthesis, and the storage and utilization of reserves in a natural stand of *Typha latifolia* L. Dissertation. University of Wisconsin, Madison.
  23. Bonnewell, V. 1981. *Typha* productivity, mineral nutrition, and seed germination. Dissertation. University of Minnesota. St. Paul.
  24. Reidenbaugh, T.G. 1983 b. Productivity of cordgrass *Spartina alterniflora* estimated from live standing crops, mortality, and leaf shedding in a Virginia salt marsh. *Estuaries.* 6:57-65.
  25. Denny, P. 1984. Permanent swamp vegetation of the upper Nile. *Hydrobiologia.* 110:79-90.
  26. Thompson, K., Shewry, P.R., and Woolhouse, H.W. 1979. Papyrus swamp development in the Upemba Basin Zaire: studies of the population dynamics of *Cyperus papyrus* stands. *J. Linn. Soc. (Bot.).* 78:299-316.
  27. Kvet, J. 1978. Growth analysis of fishpond littoral communities. pp. 198-206. In: D. Dykyjova and J. Kvet (eds.). *Pond Littoral Ecosystems: Structure and Functioning*. New York: Springer-Verlag.
  28. Whigham, D.F., McCormick, J., Good, R.E., and Simpson, R.L. 1978. Biomass and primary production in freshwater tidal wetlands of the middle atlantic coast. pp. 3-20. In: R.E. Good, D.F. Whigham, and R.L. Simpson (eds.). *Freshwater Wetlands. Ecological Processes and Management Potential*. New York: Academic Press.

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