

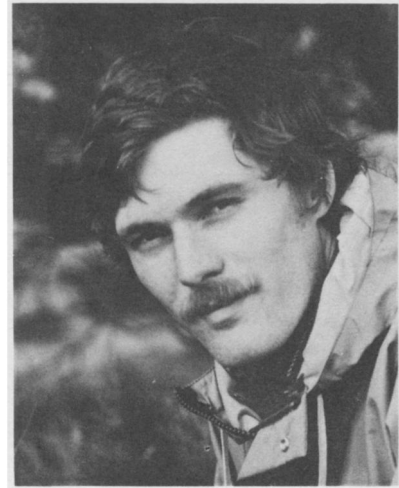
John Dacey

John Dacey, Kellogg Biological Station, Michigan State University, was the 1979 recipient of the Murray F. Buell Award.

Murray Buell ascribed great importance to the participation of students in meetings and to excellence in the presentation of papers.

To honor Murray F. Buell's dedication to the Ecological Society of America and to the younger generation of ecologists, this award is presented to a student (undergraduate, graduate or recent doctorate) for an outstanding paper presented at the Society's annual meeting.

The title of John Dacey's winning paper, given at the annual meeting in Stillwater, Oklahoma, was: "A physical pump circulates air through the yellow waterlily." The internal lacunar system of the waterlily



acts as a pressurized gas circulation system, forcing O_2 to the roots and rhizome buried in anaerobic sediment, and transporting sediment-derived CO_2 from the rhizome to most of the emergent leaves.

Dr. Dacey currently holds a post-doctoral fellowship at the Woods Hole Oceanographic Institute and is continuing his work on aspects of gas transport in freshwater and salt marsh vegetation.

Source: Bulletin of the Ecological Society of America, Vol. 61, No. 1 (Mar., 1980), pp. 37-38. Courtesy of JSTOR