

# Resumé

## Arthur V. Gilman

**Education:** B.A, Brown University 1976, cum laude

**Employment:** Biologist, W. D Countryman Environmental Assessment & Planning,  
Northfield, VT, 1988 –

Responsibilities include marketing of services, searches for rare, threatened or endangered species, especially plants but also wildlife, wetlands delineations and evaluation, wildlife habitat assessment, mapping, co-ordination with project engineers, consultation with permitting agencies, preparation of permit applications, testimony at permit hearings, etc. Recent workload has averaged approximately 40 projects per year.

Propagator and Plant Scientist, White Flower Farm, Litchfield, CT, 1977-1988.

Responsibilities included propagation of ca. 800 varieties of ornamental plants by seeds, cuttings, grafting, and other techniques, coordination of production schedule to meet average annual demand of ca. 600,000 units, greenhouse production, pest control, maintenance of stock, etc.

### Recent project responsibilities:

- Layout and planning of electrical transmission lines, including resource identification – wildlife, wetlands, and RTE species - and evaluation of impacts. A total of approximately 430 miles of corridor for 46 kV, 115 kV and 345 kV projects in Maine and Vermont. Recent clients have included VELCO, Bangor Hydro-Electric Company, Great Northern Paper, Citizen's Utilities, Central Maine Power, Central Vermont Public Service, and windpower projects in Vermont and Maine.
- Wetland delineations, assessments, and permit applications on numerous private, state and municipal projects throughout Vermont and Maine. Recent clients have included the Burlington International Airport, Vermont Agency of Transportation, and the Vermont National Guard. Permit applications prepared and permits obtained for more than 80 projects in Vermont.
- Rare, threatened and endangered (RTE) species searches on ca. 350 miles of proposed natural gas pipeline in Maine (1997-1999); project planning and mitigation of ca. 55 RTE plant stations. Additional rare plant searches on numerous other projects in Maine, New Hampshire, Vermont and New York, including communications facilities, electric transmission lines, ski areas, transportation projects, hydropower, housing, and retail projects. Recent RTE projects have involved alpine and subalpine communities, sandplain communities, fens, and a wide range of forested, wetland, agricultural and urban settings.
- Wetland plant community assessments for numerous hydropower and other water-related projects in Maine and Vermont, including major rivers: Dead River, Penobscot River, Aroostook River, Clyde River, Lamoille River, Passumpsic River, Black River, Ottawaquchee River and others.

## Professional Associations:

New England Botanical Club (Councilor, 1997-2002; President 2004-)  
International Association of Plant Taxonomists  
Botanical Society of America  
Southern Appalachian Botanical Society  
American Fern Society  
Maine Association of Wetland Scientists  
Vermont Endangered Species Committee, Flora Advisory Group  
New England Plant Conservation Program Task Force  
Fairbanks Museum (Fellow)

## Publications:

1988. Two new stations for *Dryopteris fragrans* in Vermont. *Rhodora* 90: 455-456.
1991. [with W. D. Countryman]. Additions to the flora of Washington County, Maine. *Rhodora* 93: 390-395.
1993. Four additions to the vascular flora of Vermont. *Maine Nat.* 1: 68-69.
1994. A new tri-hybrid lycopod, *Diphasiastrum digitatum* s. *sabinifolium*, from northeastern Vermont. *Rhodora* 96: 287-293.
1998. [with G. Cooper-Driver]. Japanese beetle eats bracken in Vermont. *Amer. Fern Jour.* 88:48-49.
1999. Flora of Caledonia County, Vermont. *Rhodora* 101: 360-416.
2000. Distinguishing *Huperzia appalachiana* from *H. selago*. *Fiddlehead Forum* 24: 6.
2000. Japanese beetles on ferns. *Fiddlehead Forum* 24: 13.
2001. [with Warren H. Wagner, Jr.] *Dryopteris* s. *correllii* hyb. nov., a new hybrid woodfern from Vermont. *Amer. Fern Jour.* 91: 10-12.
2001. Sitka Clubmoss (*Diphasiastrum sitchense*) Conservation Plan. New England Plant Conservation Program. Framingham, Mass.
2002. The Ophioglossaceae of Vermont. V. F. Thomas Co. Bar Harbor.
2002. Moonwort (*Botrychium lunaria*) Conservation Plan. New England Plant Conservation Program. Framingham, Mass.
2003. *Diphasiastrum* s. *verecundum*, a new nothospecies. *Rhodora* 105: 136-142.
2003. A new form of *Osmunda cinnamomea*. *Fiddlehead Forum* 27: 17-18.
2003. [with Heather Driscoll and David S. Barrington]. A reassessment of the tetraploid beech fern, *Phegopteris connectilis*, in New England. *Rhodora* 105: 162-170.
2004. Foxtail bog clubmoss (*Lycopodiella alopecuroides*) Research and Conservation Plan. New England Plant Conservation Program. Framingham, Mass.
2004. Pale moonwort discovered in Maine. *American Fern Journal*. *Accepted for publication.*