

Resumé

Arthur V. Gilman

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

Employment:

- Principal, Gilman & Briggs Environmental, 2005-. Currently involved in a range of projects including siting and planning of windpower generation, electrical transmission, gas pipelines, housing developments and municipal infrastructure.
- Biologist, Wm. D. Countryman Environmental Assessment and Planning, Northfield, Vermont, 1988-2005. Responsibilities included marketing of services; searches for rare, threatened and endangered species, especially plants but also wildlife; wetland delineations and evaluations; wildlife habitat assessment and mapping; co-ordination with project engineers and providing advice; consultation with permitting agencies; preparation of reports, permit applications and testimony.
- Propagator and plant scientist, White Flower Farm, Litchfield, CT, 1977-1988. Responsibilities included propagation of ca. 800 varieties of ornamental plants by seeds, cutting, grafting, and other techniques, coordination of production schedule to meet average annual demand of ca. 600,000 units, greenhouse productions, pest control, maintenance of stock, etc.

Recent projects. The firm of Gilman & Briggs has continued most of the projects that Mr. Gilman was working for at Wm. D. Countryman.

Layout and planning of 115 kV and 345 kV electrical transmission lines, including resource identification – wildlife, wetlands and RTE species – and evaluation of impacts. More than 430 miles of corridor in Maine and Vermont have been assessed. Recent clients have included VELCO (several projects including the Northern Loop Project, Northwestern Vermont Reliability Project, and Lamoille County Project); Maine Public Service, and Bangor Hydro-Electric Company.

Wetland delineations, assessment, and permit applications on numerous private, state and public municipal projects throughout Vermont and Maine. Recent clients have included the Vermont Agency of Transportation, Burlington International Airport, Retrovest Associates, Redstone Commercial Group, and several engineering companies.

Rare, threatened and endangered species (RTE) searches on ca. 350 miles of new natural gas pipeline corridor in Maine, which included planning and mitigation of ca. 55 RTE plant locations. Additional rare plant searches on numerous projects in Vermont, Maine, and Massachusetts. Recent and current clients include the Mt. Mansfield Colocation Association, VELCO, Maritimes and Northeast Pipeline, Maine Public Service, and Bangor Hydro-Electric. Recent projects have included alpine and sub-alpine communities, forested summit, sandplains, fens, river shores, and lowland settings.

Professional Associations:

New England Botanical Club (Councillor 1997-2002; President 2004-2006)
International Association of Plant Taxonomists
Botanical Society of America
Southern Appalachian Botanical Society
American Fern Society
Vermont Endangered Species Committee, Flora Advisory Group
New England Plant Conservation Task Force
Fairbanks Museum (Fellow)
Josselyn Botanical Society (Distinguished Scholar)

Publications:

1988. Two new stations for *Dryopteris fragrans* in Vermont. *Rhodora* 90: 455-456.
1991. [with Wm. D. Countryman]. Additions to the flora of Washington County, Maine. *Rhodora* 93: 390-395.
1993. Four additions to the vascular flora of Vermont. *Maine Naturalist* 1: 68-69.
1994. A new tri-hybrid lycopod, *Diphasiastrum digitatum* × *sabinifolium*, from northeastern Vermont. *Rhodora* 96: 287-293.
1998. [with G. Cooper-Driver]. Japanese beetle eats bracken in Vermont. *American Fern Journal*.
1999. Flora of Caledonia County, Vermont. *Rhodora* 101: 360-414.
2000. Distinguishing *Huperzia appalachiana* from *H. selago*. *Fiddlehead Forum* 24: 6.
2001. Japanese beetles on ferns. *Fiddlehead Forum* 24: 13.
2001. [with W. H. Wagner, Jr.]. *Dryopteris* × *correllii* hyb. Nov., a new hybrid woodfern from Vermont. *American Fern Journal* 91: 10-12.
2001. Sitka Clumoss (*Diphasiastrum sitchense*) Conservation Plan. New England Plant Conservation Program. Framingham, MA.
2002. The Ophioglossaceae of Vermont. V. F. Thomas Company. Bowdoin, ME.
2002. Moonwort (*Botrychium lunaria*) Conservation Plan. New England Plant Conservation Program. Framingham, MA.
2003. *Diphasiastrum* × *verecundum*, a new nothospecies. *Rhodora* 105: 136-142.
2003. A new form of *Osmunda cinnamomea*. *Fiddlehead Forum*.
2003. [with Heather Driscoll and David S. Barrington]. A reassessment of the tetraploid beech fen, *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, MA.
2004. Pale moonwort discovered in Maine. *American Journal* 94: 90.
2006. Ontario aster (*Symphyotrichum ontarionis*) new to Vermont. *Submitted*.