

# CURRICULUM VITAE

Peter Del Tredici

## EDUCATION

**B.A., Zoology:** University of California, Berkeley, 1968

**M.A., Biology:** University of Oregon, 1969

**Ph.D., Biology:** Boston University, 1991. Thesis topic: "The Evolution and Natural History of *Ginkgo biloba* L." Research extended over a three year period and involved field work in eastern China (fall of 1989) and South Carolina and greenhouse and laboratory work in Boston.

## PROFESSIONAL EXPERIENCE

**Visiting Lecturer of Applied Ecology and Planning, Department of Urban Studies and Planning, Massachusetts Institute of Technology (Sept 2016 to June 2019)** In this capacity, I taught two courses in DUSP, a lecture course on "Urban Ecology and Climate Change" in the fall and a "Research Seminar in Urban Ecology" in the spring.

**Associate Professor in Practice of Landscape Architecture, Harvard University Graduate School of Design (1993 to 2016)** Beginning as a Lecturer in 1993 and continuing through 2009, I taught "Plants and Design" to 2<sup>nd</sup> year LA students. In the fall of 2003, I began working half-time at the GSD, teaching two electives, "Soils for Landscape Architects" and "Ecological Strategies of Disturbed Sites" and in 2008, I developed a new soils module in *Plants and Technology II*, required for 2<sup>nd</sup> year students. In the fall of 2009, I taught an elective on, "Sustainable Plants for a Changing World." From fall 2010 through spring 2016, I taught courses on "Soils for Landscape Architects" and "Urban Ecology."

**Senior Research Scientist, Arnold Arboretum of Harvard University (July 2003 to January 2014)**

In this capacity, I was involved in managing a research program utilizing the living collections of the Arnold Arboretum. I have published peer-reviewed, scientific articles on ecological monitoring (phenology), urban ecology (invasive species), tree architecture (vegetative regeneration in woody plants) and the molecular taxonomy, ecology, and cultivation of various *Tsuga*, *Magnolia*, and *Stewartia* (family Theaceae) species. In 2017, I was part of a team that described a new species of hemlock, *Tsuga ulleungensis*, indigenous to an island off the coast of South Korea.

Beginning in 2011, I was in charge of developing a long-term research and interpretive program for the 24-acre Bussey Brook Meadow "urban wild" of the Arnold Arboretum. This project has involved coordinating research activities on the site as well as developing a mobile phone app, ***Other Order: A Bussey Brook Meadow Sound Walk***, which interpreted the natural, cultural and social history of the site.

**Director of Living Collections of the Arnold Arboretum of Harvard University (May 1992 to July 2003)**

I managed the Living Collections Department, consisting of eight staff members and fourteen grounds crew working in maintenance, propagation, and plant records sub-departments. Ultimately I was responsible for overseeing all aspects of planning, development, and management of the Arboretum's 17,000 accessioned plants across 265 acres. The primary purpose of these collections is scientific in nature, and my responsibility was to oversee their curation to facilitate research by Arboretum staff as well as by scientists from other academic institutions. As a representative of the Arboretum, I

have participated in eight plant collecting expeditions to China as well as trips to Korea, Japan and various parts of the United States.

**Editor of *Arnoldia*, the Magazine of the Arnold Arboretum (1989 to April 1992)** I was responsible for coordinating all phases of the production of this quarterly publication, from soliciting, editing, and writing articles to supervising design, printing, and distribution. In all, I produced fourteen issues of *Arnoldia*.

**Assistant Plant Propagator, Arnold Arboretum (1979 to 1989)** I participated in all aspects of the operation of the Dana Greenhouses and nurseries. I specialized in propagation of woody plants from seed, cuttings, and grafting, and have published research papers on a wide variety of native and cultivated plants.

**Curator of the Larz Anderson Bonsai Collection (1982 to 2014)** In this capacity, I was responsible for all aspects of the care and maintenance of this collection of bonsai trees, one of the most historically significant bonsai collections in North America. In fall 2013, the collection was put on display at the Isabel Stewart Gardner Museum in Boston in celebration of the hundredth anniversary of their arrival in the USA.

**Research Technician, Cabot Foundation Laboratories, Harvard Forest, Petersham, Mass. (1972 to 1977)** I was in charge of operating the laboratory and greenhouse and participated in research investigating nitrogen-fixation by non-leguminous plants, mainly *Comptonia peregrina*, the sweet fern. The work culminated with the first ever isolation and *in vitro* cultivation of an actinobacteria in the genus *Frankia*, published in *Science*.

## PUBLICATIONS

Over the course of my career—from 1974 through 2019—I have published forty peer-reviewed articles on a diversity of botanical, ecological and horticultural topics in a variety of journals including *Science* and *Nature*. I have also published some 160 popular articles many of which appeared in *Arnoldia*, the Magazine of the Arnold Arboretum. I have written or edited a number of books and pamphlets on subjects ranging from bonsai history to the history of Sargent's weeping hemlock to the evolution and natural history of *Ginkgo biloba*. In 2010, I published *Wild Urban Plants of the Northeast: A Field Guide* (Cornell University Press) which received wide critical acclaim; the second edition came out in spring 2020.

## AWARDS

**Veitch Memorial Medal** for 2013 from the Royal Horticultural Society (England) given to "persons of any nationality who have made outstanding contributions to the advancement and improvement of the science and practice of horticulture."

**Honorary Member** of the Garden Club of America (GCA) awarded in 2013.

**Bullard Fellowship** in Forest Research from the Harvard Forest in Petersham, Massachusetts, where I was in residence from September 1, 1999 through March 1, 2000.

**Arthur Hoyt Scott Medal and Award** for 1999, presented annually by the Scott Arboretum of Swarthmore College "in recognition of outstanding national contributions to the science and art of gardening."

**Jackson Dawson Medal** for 1986, awarded by the Massachusetts Horticultural Society for "skill in the science and practice of hybridization and propagation of plants."