

NYFA Newsletter

New York Flora Association - New York State Museum Associates

Correspondence to NYFA, 3140 CEC, Albany, NY 12230

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A Gratitude of Thanks to Richard Mitchell by Troy Weldy

As the year comes to a close, so does a chapter in New York botany. Our esteemed leader and state botanist, Dr. Richard Mitchell, decided to retire and move south. For the past quarter century, Dick served as the State Botanist at the New York State Museum. During this time, he wrote numerous books, scientific papers, newsletter articles, reviews, and research reports (see bibliography for an extensive list). He even produced a computerized identification key. Through this issue of the NYFA Newsletter, we will provide highlights of his botanical career and wish him the best in his new ventures.

Beginning at a young age, Dick showed a strong interest in floristic studies. As a young lad in North Carolina, one of the first plants he identified was *Pyxidantha barbulata* (pyxies or flowering moss). This initial training in the coastal lands of southeastern North Carolina led him to study botany at Florida State University where he earned both his Bachelors and Masters degrees. His dissertation on the Polygonaceae was completed at UC-Berkley in 1967. Shortly after receiving his Ph.D., Dick was hired as a biology professor and herbarium director at Virginia Tech (at the time more commonly called VPI). Dick received his tenure in 1973, only to leave in 1975 to become the State Botanist of New York. It is in this role that many of us know him best.

Upon his arrival at the New York State Museum in 1975, Dick served as Botany Section head. From 1978 to 1983 he was the Vice Chairman of the State

Biological Survey. Within one year of his arrival, Dick initiated the Contributions to a Flora of New York State. The first volume in the series was the Polygonaceae in 1978. To date, thirteen contributions have been published, complete with illustrations, keys, descriptions, and maps. In 1978, he started the New York Rare Plant Project which resulted in the publication of the Rare Plants of New York, a book that helped create the initial NY Natural Heritage Program rare plant list. After extensive research, a revised flora checklist of New York was published in 1986. This checklist, revised again in 1997, 2000, and 2002, has been an invaluable resource to those interested in New York's flora.

We hope the New York Flora Association will be Dick's lasting legacy. He co-founded it in 1988, and under the auspices of NYFA produced a 500-page atlas in 1990. During his thirteen year tenure with NYFA, Dick edited this quarterly newsletter, ensured there was always something interesting to read, wrote many articles, and shared his strong opinions. He authored at least 50 articles, editorials, and reviews; many times stirring the pot to create interest and feedback.

In 1992, he began a detailed survey of the Hudson Highlands that resulted in the documentation of 1,700 species (many county records) and at least 125 rare plants. During field season, Dick and a few others would spend a couple of days each week hiking throughout the Hudson Highlands. Now, even though retired, he plans to continue these summer field excursions. He has already arranged for a cabin that will serve as a base camp. This will allow him to continue his studies

of the Hudson Highlands and finish his book "Plants of the Hudson Highlands of New York."

What many of us will remember are his articles, reviews, notes, and editorials which appeared in this newsletter. His fans should not despair, he still expects to write future articles, possibly comparing the flora of his beach side home to his favorite Highland haunts. For those of us who had the great fortune to join Dick on various field trips, it was an honor. He always shared his botanical skills and quick wit. For those who have not yet had the opportunity, we expect him to lead a field trip to the Hudson Highlands this summer.

Dick's retirement in Florida brings him closer to his mother's residence and his musical friends. While in graduate school, Dick used his musical talents to supplement his meager graduate stipend. His music led him to perform in Town Hall (Manhattan) and on The Lawrence Welk Show. His old group recently won a Grammy Award, so do not be surprised if you see Dick standing up on stage accepting his Grammy in the near future. Wherever the freedom of retirement takes him, we wish Dick the very best and look forward to his summer ventures studying the New York flora.

For all of his hard work and dedication with the New York Flora Association, NYFA presented Dick with the Flora of Florida (Volume 1) and A Guide to the Vascular Plants of Florida. Both books were written by Richard Wunderlin and published within the past few years. Future volumes of the Flora of Florida are expected soon. We suspect these books will be well used as Dick re-familiarizes himself with the Florida flora.

Dick's current contact information:

Dr. Richard Mitchell
1109 First St.
Indian Rocks Beach, FL 33785

Well wishes from NYFA members

My best wishes to Dick for a long, happy and warm-in-winter retirement, with lots and lots of botanizing. Dick was always at the cutting edge of innovation in the presentation of taxonomic information for the New York State flora. He was an early and enthusiastic supporter of the NYC

Metropolitan Flora Project, for which we NYC folk will always be grateful. Dick is a perceptive and outspoken critic of botanical works. He is an iconoclast whose views on plant invasions called for a critical review of standard theory. His positions on both practical and theoretical issues always command respect because of his wealth of experience. I sincerely hope he will continue to make known his views on contemporary issues in botany, in the NYFA Newsletter.

Andy Greller

We folks in the West Point natural resources office would like to extend our best wishes to Dick in his retirement. He was, of course, the major player in surveying the flora of the lands of the U.S. Military Academy and for that we appreciate his efforts. We will probably remember him most, however, for his enthusiasm, his humor, his good company and his insistence that someone else check the steep upper slopes while he worked the bottomlands.

Joe Deschenes

I want to express my gratitude for Dick's support when I was applying for my position at SUNY Oswego. I know his recommendation at a time when I had been out of the picture professionally for nearly twenty years was of critical importance in my successful application. I'm also grateful for his advice and friendship and hope to join him in the field during some of his upcoming summertime excursions here in the north country.

Andrew P. Nelson

Up here in St. Lawrence County we greatly appreciate Dick Mitchell's tenure as State Botanist. Many years ago he enthusiastically welcomed two beginning botanists and made us feel as though we had something to contribute to the state's flora. We will miss his friendliness and the way he treated everyone with similar interests as colleagues, whether or not they had an advanced degree or even a degree. He had a way of making us feel like actual botanists, when we really were just two people with a compulsion to collect and identify plants.

Nancy Eldblom and Anne Johnson

I for one will miss Dick's quick wit and unfettered enthusiasm. Take care!

Norbert Quenzer

Botanical Bibliography of Richard Mitchell

Editor - Non-Serial Publications:

Mitchell, R. S., C. J. Sheviak & D. J. Leopold (eds.) 1990. Ecosystem Management: Rare Species and Significant Habitats. Proc. 15th Nat. Areas Assoc. Conf. New York State Museum Bull. 471. 314 pp.

Mitchell, R. S. & C. J. Sheviak (contributing editors) 1981. *North American Wildlife*, a Reader's Digest book. An extensive wildflower list, maps, species diagnoses with 700 color illustrations.

Ogden, E. C. 1981. Field Guide to Northeastern Ferns. N. Y. State Museum Bull. 444. 126 pp.

Editor - Serial Publications (in addition to volumes authored or co-authored by me):

Contributions to a Flora of New York State:

Andrus, R. E. 1980. Sphagnaceae (Peat Moss Family) of New York State. Contr. to a Flora of New York State III. New York State Mus. Bull. 442. 90 pp.

Ketchledge, E. H. 1980. Revised Checklist of the Mosses of New York State. Contr. to a Flora of New York State, Checklist I. New York State Mus. Bull. 440. 20 pp.

Clemants, S. E. 1990. Juncaceae (Rush Family) of New York State. Contr. to a Flora of New York State VII. New York State Mus. Bull. 475. 68 pp.

Cope, E. A. 1992. Pinophyta (Gymnosperms) of New York State. Contr. to a Flora of New York State IX. New York State Mus. Bull. 483. 80 pp.

Clemants, S. E. 1992. Chenopodiaceae and Amaranthaceae of New York State. Contr. to a Flora of New York State X. New York State Mus. Bull. 485. 100 pp.

Al-Shehbaz, I. 2003. Capparaceae, Brassicaceae and Resedaceae of New York State. Contr. to a Flora of New York State XII. New York State Mus. Bull. (complete, awaiting illustrations).

Clemants, S. E. 2003. Ericaceae of New York State. Contr. to a Flora of New York State XIII. New York State Mus. Bull. (in late stages of preparation).

Catskill Flora:

Brooks, Karl L. 1979-1984. A Catskill Flora and Economic Botany. I. Pteridophyta. New York State Mus. Bull. 438. 276 pp.; II. The Conifers. Bull. 441. 116 pp.; III. Apetalae. Bull. 443. 374 pp.; IV. (1) Polypetalae. Bull. 453. 358 pp. IV. (2). Polypetalae. Bull. 454. 283 pp.

NYFA NEWSLETTER (Founding Editor, 1990-2002):

Newsletter Articles: written about **70 articles** for the newsletter with contents ranging from scientific botany to educational and popular topics.

SELECTED BOOK REVIEWS:

Mitchell, R. S. 2000. [Review of] Flora of the Northeast: A Manual of the Vascular Flora of New England and Adjacent New York. Dennis W. Magee & Harry E. Ahles. 1999. NYFA Newsletter 11(2): 2-5.

Mitchell, R. S. 1994. [Review of] The Jepson Manual, Higher Plants of California. J. C. Hickman (ed.), Univ. of California Press. (1993). *In*: Bull. Torrey Bot. Club 121(3): 381-382.

Mitchell, R. S. 1994. [Review of] New Jersey Ferns and Fern Allies. by J. Montgomery & D. Fairbrothers. Rutgers Univ. Press. *In*: Bull. Torrey Bot. Club 121(1): 88-89.

Mitchell, R. S. 1992. [Review of] Natural History of the White-Inyo Range, Eastern California. Edited by Clarence A. Hall, Jr. 1991. Calif. Nat. Hist. Guides, vol. 55, U.C. Press. 553 pp. *In*: Bull. Torrey Bot. Club 119(1): 99-100.

SELECTED RESEARCH REPORTS:

Mitchell, R. S., J. G. Barbour & J. Focht. 2001. A Catalog of Sterling Forest Plants. Eighth Report to the Palisades Interstate Park Commission. N. Y. State Museum Botanical Research Report 2001. 102 pp.

Mitchell, R. S., J. G. Barbour & J. Focht. 1998. A Preliminary Catalog of Sterling Forest Plants Fifth Report to the Palisades Interstate Park Commission. N. Y. State Museum Botanical Research Rept. 98-1. 78 pp.

Mitchell, R. S., J. G. Barbour & J. Focht. 1996. A Catalog of the Plants of Bear Mountain, Harriman and Storm King State Parks. N. Y. State Museum Botanical Research Rept. 96-1. 186 pp.

Mitchell, R. S., G. C. Tucker & J. G. Barbour. 1993. A Checklist of the Flora of the West Point Military Academy Reservation. N. Y. State Museum. Botanical Research Rept. 93-2. 77 pp.

SCIENTIFIC PUBLICATIONS (Peer Reviewed):

Mitchell, R. S. 1963. Phytogeography and floristic survey of a relic area in the Marianna Lowlands, Florida. *Am. Midl. Nat.* 69: 323-366.

Mitchell, R. S., V. C. LaMarche Jr. & R. M. Lloyd. 1966. Alpine vegetation and active frost features of Pellisier Flats, White Mountains, California. *Am. Midl. Nat.* 75: 516-525.

Mitchell, R. S., R. M. Lloyd & M. Bergseng. 1966. Plant Identification Manual for Laboratory Sites and Pellisier Flats, White Mountains, California. White Mtn. Res. Sta. Pub. (Univ. Calif. Press) 45 pp.

Lloyd, R. M. & R. S. Mitchell. 1966. Plants of the White Mountains of California and Nevada. White Mtn. Res. Sta. Pub. (Univ. Calif. Press) 66 pp.

Mitchell, R. S. 1968. Variation in the *Polygonum amphibium* Complex and its Taxonomic Significance. *Univ. Calif. Publ. Botany*. Vol. 45. 65 pp.

Mitchell, R. S. & L. J. Uttal. 1969. Natural hybridization in Virginia *Silene* (Caryophyllaceae). *Bull. Torrey Bot. Club* 96: 544-549.

Mitchell, R. S. 1970. A re-evaluation of *Polygonum meisnerianum* in North America. *Rhodora* 72: 182-188.

Mitchell, R. S. & L. J. Uttal. 1970. The Benedict plant and seed collection now at Virginia Polytechnic Institute. *Castanea* 35: 150-152.

Uttal, L. J. & R. S. Mitchell. 1970. Amendments to the flora of Virginia I. *Castanea* 35: 293-301.

Mitchell, R. S. 1971. Comparative leaf structure of aquatic *Polygonum* species. *Am. Jour. Bot.* 58: 342-360.

Mitchell, R. S. 1971. A Guide to Aquatic Smartweeds (*Polygonum*) of the United States. Virginia Polytechnic Inst. Water Resources Res. Center Bull. Vol. 41. 57 pp.

- Uttal, L. J. & R. S. Mitchell 1972. Amendments to the flora of Virginia II. *Castanea* 37: 96-118.
- Lloyd, R. M. & R. S. Mitchell. 1973. A Flora of the White Mountains, California and Nevada. Univ. Calif. Press. 202 pp. (hard cover)
- Mitchell, R. S. 1973. Effects of Radford Army Ammunition Plant wastes on aquatic vegetation in the New River, Virginia. V. P. I. Water Resources Res. Center Bull. 57: 19-31.
- Mitchell, R. S. 1976. Submergence experiments on nine species of semi-aquatic *Polygonum*. *Amer. Jour. Bot.* 63: 1158-1165.
- Mitchell, R. S. & J. K. Dean. 1978. Polygonaceae (Buckwheat Family) of New York State. *Contr. to a Flora of New York State I.* New York State Mus. Bull. 431. 80 pp.
- Mitchell, R. S. 1978. *Rumex maritimus* L. versus *R. persicarioides* L. in the Western Hemisphere. *Brittonia* 30: 293-296.
- Mitchell, R. S. & E. O. Beal. 1979. Magnoliaceae through Ceratophyllaceae of New York State. *Contr. to a Flora of New York State II.* New York State Mus. Bull. 435. 62 pp.
- Mitchell, R. S. 1979. Preliminary Lists of Rare, Endangered and Threatened Plant Species in New York State. N. Y. State Mus. Leaflet. 21. 18 pp.
- Mitchell, R. S. 1979. Stanley J. Smith. *Taxon* 28(2/3): 44. [obituary].
- Mitchell, R. S., C. J. Sheviak & J. K. Dean. 1980. Rare and Endangered Vascular Plant Species in New York State. U.S. Fish & Wildlife Service Publ. 38 pp.
- Mitchell, R. S. 1980. *Polygonum* and *Rumex*. In: J. & R. Kartesz. A Synonymized Checklist of the Vascular Flora of the United States, Canada & Greenland. pp. 371-375. Univ. North Carolina Press.
- Roberts, M., R. Stuckey & R. Mitchell. 1981. *Hydrocharis morsus-ranae* (Hydrocharitaceae) new to the U.S. *Rhodora* 83: 147-148.
- Mitchell, R. S. & C. J. Sheviak. 1981. Rare Plants of New York State. New York State Mus. Bull. 445. 96 pp. (reprinted 1983 - hard and soft covers)
- Mitchell, R. S. & J. K. Dean. 1982. Ranunculaceae (Crowfoot Family) of New York State. *Contr. to a Flora of New York State IV.* New York State Mus. Bull. 446. 100 pp.
- Mitchell, R. S. 1982. *Polygonum*. In: National List of Scientific Plant Names. U. S. Dept. Agric. SCS-TP-159, Vol. 1: 98-99; Vol. 2: 325-327.
- Mitchell, R. S. 1983. Berberidaceae through Fumariaceae of New York State. *Contr. to a Flora of New York State V.* New York State Mus. Bull. 451. 66 pp.
- Mitchell, R. S. 1984. Atlas of New York State Ferns. *Contr. to a Flora of New York State, Checklist II.* New York State Mus. Bull. 456. 28 pp.
- Mitchell, R. S. 1986. A Checklist of New York State Plants. *Contr. to a Flora of New York State, Checklist III.* New York State Mus. Bull. 458. 272 pp. (hard cover)

- Mitchell, R. S. 1986. A rare fringed gentian (*Gentianopsis procera*) at Niagara Falls. *Clintonia* 1(6): 3-4.
- Mitchell, R. S. 1987. Pteridophyte Checklist and Index to Synonymy for New York State. TAXACOM, Flora Online (ISSN 0892-9106). Buffalo Mus. Sci. 41 pp.
- Mitchell, R. S. 1988. Platanaceae through Myricaceae of New York State. *Contr. to a Flora of New York State VI*. New York State Mus. Bull. 464. 98 pp.
- Mitchell, R. S. 1988. The identity of *Thalictrum confine* (Ranunculaceae). *Brittonia* 40: 298-305.
- Ambrose, J. D. & R. S. Mitchell. 1990. Conservation strategies: a focus on cooperative action. pp. 11-13. *In*: Mitchell, R. S., C. J. Sheviak & D. J. Leopold (eds.) *Ecosystem Management: Rare Species and Significant Habitats*. Proc. 15th Natural Areas Assoc. Conf. New York State Mus. Bull. 471. 314 pp.
- Furlow, J. J. & R. S. Mitchell. 1990. Betulaceae through Cactaceae of New York State. *Contr. to a Flora of New York State VIII*. New York State Mus. Bull. 476. 94 pp.
- Ogden, E. C. & R. S. Mitchell. 1990. Identification of Plants with Fleshy Fruits. New York State Mus. Bull. 467. 98 pp. + floppy disk with computer driven keys.
- Mitchell, R. S. & G. C. Tucker. 1991. *Sagina japonica* (Sw.) Ohwi (Caryophyllaceae), an overlooked adventive in the northeastern United States. *Rhodora* 93: 192-194.
- Mitchell, R. S. 1993. Portulacaceae through Caryophyllaceae of New York State. *Contr. to a Flora of New York State XI*. New York State Museum Bull. 486. 124 pp.
- Bills, D. *et al.* 1994. Ostrich Fern Poisoning -- New York and western Canada, 1994. *Epidemiological Reports*. U. S. Dept. Health & Human Services. MMWR 43(37): 677; 683-684.
- Mitchell, R. S. & G. C. Tucker. 1994. Flora of an unusually diverse virgin and old-growth forest area in the southern Adirondacks of New York. *Bull. Torrey Bot. Club* 121(1): 76-83.
- Mitchell, R. S., T. E. Maenza-Gmelch & J. G. Barbour. 1994. *Utricularia inflata* Walt. (Lentibulariaceae), new to New York State. *Bull. Torr. Bot. Club* 121(3): 295-297.
- Miller, N. G. & R. S. Mitchell. 1995. Tracking the mosses and vascular plants of New York (1836- 1994). pp. 209-210, *In*: LaRoe, E. T., G. S. Farris, C. E. Puckett, P. D. Doran & M. J. Mac (eds.) *Our Living Resources: A Report to the Nation on the Distribution, Abundance, and Health of U.S. Plants, Animals, and Ecosystems*. U. S. Dept. of the Interior, National Biological Service, Washington, DC.
- Mitchell, R. S. & G. C. Tucker. 1997. Revised Checklist of New York State Plants. *Contr. to a Flora of N.Y. State, Checklist IV*. New York State Mus. Bull. 490. 400 pp. (hard cover)
- Mitchell, R. S. & L. Danaher. 1998. Northeastern Fern Identifier. CD-ROM disc with a ten page instruction booklet, 91 text screens and 200+ color photos. (Programming by G. Steeves)
- Mitchell, R. S. 1999. Are invasive plants really a serious danger to native plants and habitats. *Wildflower*. North American. Native Plant Society. 15(4): 36-37.

Mitchell, Richard S. 1999. A Database of New York State Plants. In Microsoft Access™. Limited distribution in CD-ROM format. 3772 entries. Preliminary edition provided to scientists and agencies on request.

Mitchell, R. S. 2000. Polygonaceae (Smartweed Family). pp. 543-557 *In*: Rhoads, A. & T. Block. The Plants of Pennsylvania - An Illustrated Manual. Univ. of Pennsylvania Press. 1,061 pp.

Mitchell, R. S. 2000-2003. Database and Revised Checklist of New York State Plants. Part 1) Mitchell, R. S. A Database of New York State Plants. In *Microsoft Access*™, 3779 entries. Part 2) Mitchell, R. S. & G. C. Tucker, Revised Checklist of New York State Plants, Edition II. In *Microsoft Word*™. 332 pp. The two documents are distributed and sold as a package in CD-ROM format. New York State Museum Publications.

IN PREPARATION:

Mitchell, Richard S. 2004?. Compendium of New York Plants, their Habitats and Uses. New York State Museum Bulletin --. (over 900 pp.)

Dick has finished writing the catalog of this book, which will be a complete ecological and economic and medical use guide to all 3,600 vascular plants known to occur in the wild in New York State. This effort has been about 20 years in preparation, and the end is clearly in sight. No similar work of this comprehensive nature is available for any other state. With the possibility of adding an atlas of county maps, the project becomes an even more important challenge.

Mitchell, R. S., J. G. Barbour & J. Focht. 2004? Plants of the Hudson Highlands of New York. about 650 pages, including data from our 11-year survey, a complete plant list, with detailed ecological profiles cross-referenced with Natural Heritage Program rarity codes and habitat designations. The book will also include toxicity warnings, edibility and uses of plant products by humans and wildlife (the catalog is complete to date, with only newly discovered species and introductory materials left to be added).

Errata:

Please correct the volume number on the September 2002 newsletter. This newsletter should be Vol: 13 No. 3. This was mistakenly called Vol. 13 No. 4. We apologize for the inconvenience.

2003 Field Trips:

Are you interested in leading a field trip or have suggestions for future field trips? In the next newsletter, we will announce some of our field trips for the upcoming year. If you are interested, please contact Troy Weldy (e-mail weldy@nynhp.org).

NYFA Web Statistics:

Did you visit the NY Flora web site this past year? If so, you were one of the many who contributed to a very successful year. During this past year, we have registered between 20,000-75,000 server hits per month. In December, there were 51,800 hits including visits from every continent except Antarctica.

New Editors:

Steve Young and Laura Lehtonen are now the new editors of the NYFA Newsletter. Send your articles to editor@nyfa.org. Please thank them for undertaking this large job and support them by sending your articles, notes, comments, and more.

Summary of Rogers Island Field Trip, September 28, 2002

by Stephen M. Young

Fourteen hardy souls braved the wind and tides to explore the uplands, swamps and marshes of Rogers Island. The island is located in the Hudson River in southern Columbia County underneath the eastern side of the Rip Van Winkle Bridge. The day started out a little confusing as our meeting directions were not clear, but everyone managed to make it to the island in time for the trip. Due to a frontal passage the night before, chilly winds were gusting out of the northwest which made the canoeing portion of the trip quite a challenge. Fortunately the sunny skies and anticipation of seeing new plants kept everyone in a good mood. We piled into our canoes and kayaks and paddled north on Hollenbeck Creek to the marshes on the north side of the island. The exotic invasive *Nymphoides peltata* was in full bloom on the mud flats and made quite an impression. Most of the participants landed their crafts on the north shore and explored the island on foot from there. After crashing through a *Phragmites* stand, we explored a portion of the tidal swamp then headed east as the weather warmed to an open sandy upland area where we added many new species to the island's list. From there, we returned to the intertidal mud flats of the west shore as the tide began to recede and identified some of the small plants that are unique to this habitat. Especially abundant were *Sagittaria subulata*, *Elodea nuttallii*, and *Sagittaria graminea*. A few people continued in their canoes and explored the extensive marshes on the northwest side. While they were looking for a stand of golden club, *Orontium aquaticum*, the group exploring the shoreline on foot found a couple of large plants on the border of the mud flats. The leaves of *Orontium* are very distinctive but unfortunately the plants were not in bloom. From the western shoreline we turned east and traversed the island through a beautiful tidal swamp where we were able to find the state-rare swamp lousewort, *Pedicularis lanceolata*. We broke out of the swamp on the eastern shore of the island along Hollenbeck Creek when the tide was at its lowest. The group was able to enjoy the extensive mud flats and tidal marsh along this section where we debated the identification of the extensive stand of *Acorus*. After a group picture in the mud we all headed

north to retrieve our canoes and drag them across the mud flats where we had paddled at high tide earlier in the day. After we cleaned off the mud, removed the sand spurs, and mounted our canoes we said our farewells. It was an interesting and fun field trip that logged a total of 144 species, 90 of them previously undocumented. Thanks go to all those who participated and increased our knowledge of this important site.

Intertidal Mudflats (NW shore and creek)

Cardamine longii

Eleocharis erythropoda

Eleocharis parvula

Elodea canadensis

*Elodea nuttallii**

*Heteranthera dubia***

*Heteranthera reniformis**

Leersia oryzoides

*Lindernia dubia***

*Myriophyllum spicatum**

Najas flexilis

Najas major

*Nuphar advena**

*Nymphoides peltata**

*Peltandra virginica**

*Pontederia cordata**

*Potamogeton nodosus**

*Potamogeton perfoliatus**

*Sagittaria graminea**

*Sagittaria latifolia**

*Sagittaria rigida**

*Sagittaria subulata**

*Scirpus pungens**

*Scirpus tabernaemontani**

Trapa natans

Zannichellia palustris

*Zizania aquatica**

Tidal Marsh (NW shore and creek)

Acorus americanus

*Acorus calamus**

*Amaranthus cannabinus**

*Apios americana**

*Apocynum androsaemifolium***

Asclepias incarnata

*Aster lanceolatus***

*Aster lateriflorus***

*Aster puniceus***

Bidens bidentoides*

*Bidens cernua**

*Bidens connata***

*Bidens frondosa***
Bidens hyperborea
Bidens laevis
*Cardamine pensylvanica**
Cephalanthus occidentalis
*Ceratophyllum demersum***
Cinna arundinacea
Cornus amomum
Cornus racemosa
*Coronilla varia***
Cyperus bipartitus
Cyperus sp.
Echinochloa muricata
Eupatorium maculatum
*Helenium autumnale**
Impatiens capensis
*Juncus acuminatus***
Leersia oryzoides
Lobelia cardinalis
*Lonicera morrowii**
Lysimachia ciliata
*Lysimachia nummularia**
Lythrum salicaria
*Mentha arvensis***
*Muhlenbergia cf. frondosa***
Myosotis laxa
Orontium aquaticum*
*Panicum virgatum***
*Parthenocissus quinquefolia**
*Peltandra virginica**
Phalaris arundinacea
*Phragmites australis**
*Pilea fontana**
*Pilea pumila**
*Polygonum amphibium***
Polygonum hydropiperoides
Polygonum punctatum var. *punctatum***
*Polygonum sagittatum**
Pontederia cordata
Rumex sp.**
*Sagittaria latifolia**
*Sium suave***
*Strophostyles helvula***
*Teucrium canadense***
*Toxicodendron radicans**
*Typha angustifolia**
*Zizania aquatica**

Tidal Swamp (northwest shore and interior)

Acer negundo
*Acer rubrum**
*Alliaria petiolata***

*Amphicarpa bracteata**
*Angelica atropurpurea***
*Apios americana**
Arisaema triphyllum
Aster lateriflorus
*Bidens comosa***
*Boehmeria cylindrica***
Carex comosa
*Carex crinita***
*Carex grayi***
*Carex lupulina***
*Carex squarrosa***
*Carex stricta***
*Carex tribuloides***
*Cephalanthus occidentalis**
*Cinna arundinacea**
Cornus amomum ssp. *obliqua**
Cornus foemina ssp. *racemosa*
*Cuscuta gronovii**
*Cynanchum louiseae***
*Dryopteris cristata**
*Elymus riparius***
*Elymus virginicus***
*Epipactis helleborine***
*Equisetum sylvaticum***
*Eupatorium rugosum***
*Fraxinus nigra**
*Fraxinus pensylvanica***
*Galium cf. obtusum***
*Galium triflorum***
Gentiana andrewsii
*Geranium maculatum***
Glyceria pallida
*Hakelia virginiana***
*Ilex verticillata**
*Impatiens capensis**
*Iris pseudoacorus**
*Laportea canadensis***
*Leersia oryzoides**
*Leersia virginica***
*Lemna minor**
*Lindera benzoin**
Liparis lilifolia
Lobelia cardinalis
*Lobelia siphilitica***
Lonicera sp.**
*Ludwigia palustris***
*Lysimachia nummularia**
*Mikania scandens***
*Mimulus alatus***
*Mimulus ringens***
Nyssa sylvatica

*Onoclea sensibilis**
*Osmunda regalis**
*Parthenocissus quinquefolia**
Pedicularis lanceolata*
*Peltandra virginica**
*Phragmites australis**
*Physocarpus opulifolius**
Pilea pumila
*Platanthera sp.***
*Poa compressa***
*Polygonum arifolium***
Polygonum hydropiper
Polygonum sagittatum
*Populus deltoides***
Ranunculus hispidus var. *caricetorum***
Ranunculus cf. recurvatus or *sceleratus***
*Rosa palustris***
*Rubus pubescens***
*Salix eriocephala***
Salix nigra
*Senecio aureus***
Smilax herbacea
*Spiraea latifolia***
Spirodela polyrhiza
*Symplocarpus foetidus**
*Thalictrum dioicum**
*Thelypteris palustris**
*Thuja occidentalis**
*Toxicodendron radicans**
*Ulmus americana***
Ulmus rubra
Urtica dioica ssp. *dioica***
*Verbena hastata***
*Viburnum dentatum**
*Viburnum lentago***
Viola sp.
*Vitis riparia**

North side upland area

*Achillea millefolium***
*Ailanthus altissima***
*Asclepias syriaca***
*Berberis vulgaris***
*Bromus inermis***
*Cenchrus longispinus***
*Centaurea maculosa***
*Conyza canadensis***
*Cycloloma atriplicifolium***
Cyperus filicinus var. *macilentus***
*Equisetum hyemale***
*Gnaphalium obtusifolium***
*Juniperus virginiana***

*Lepidium virginicum**
*Linaria canadensis***
*Mirabilis nyctaginea***
*Panicum cf. sabulorum***
*Panicum clandestinum***
*Pinus strobus***
*Populus tremuloides***
*Quercus palustris***
*Schizachyrium scoparium***
*Sedum sarmentosum***
*Solidago caesia***
*Solidago rugosa***
*Toxicodendron radicans**
*Verbascum thapsus***
*Vitis labrusca***

* species observed, previously known from island

** species observed, new record for island

Rare species in bold

Botanical Society of America Meeting

The 2003 joint annual field meeting of the Botanical Society of America (northeastern section), the Long Island Botanical Society, the Torrey Botanical Society, and the Philadelphia Botanical Club, will be held June 22-26 (Sunday evening - Thursday morning) at New York Institute of Technology's Central Islip Campus. The campus is located in Suffolk County, Long Island, near all major roads and public transportation. There will be 3½ days of lectures and field trips of botanical interest. The areas to be visited include a unique 300 year-old maritime holly forest on a barrier island, the globally rare Dwarf Pine Plains, a northeastern mixed hardwood forest on a terminal moraine, and an unusual pitch pine-scrub oak barrens. Plant communities to be seen include salt marsh, fresh water bog, kettle holes, swamp, ponds, rivers, ocean, LI Sound, and forests. Registration fee, of approximately \$350.00, includes all meals (Sunday dinner through Thursday breakfast), housing, evening programs, and transportation. Day-trippers will be invited (at a lower fee) if space is available. Everybody interested in botany or in rare plant communities is welcome to attend. Pre-registration is required. For additional information, contact Leader: Joanne Tow, PO Box 7323, Hicksville, NY 11802-7323, 516-931-2073, or send an e-mail to botany2003@hotmail.com.



Richard S. Mitchell (ca. 1994)
self-biography

Full Name: Richard Shepard Mitchell

Son of: Theodore R. and Bendita G. (Lunsford) Mitchell

Born: March 30, 1938, Indianapolis, Indiana, U.S.A.

Education: **Ph.D.** (University of California , Berkeley) **B.S., M.S.** (Florida State University)

Son: **Gregory S. Mitchell** (Environmental Protection Agency, Database Mgmt., Chapel Hill, NC)

Grandson: **Dean Mitchell**

Son: **Ted R. Mitchell** (Booz, Allen *et al.*, Industrial Hygiene/Environ. Assessment), Churchton, MD)

Granddaughter: **Victoria (Tori) Mitchell**

Hobbies: Music: guitar, vocals, bass, keyboards; I was a professional popular musician and jazz guitarist for many years, financing most of my own education through music and other jobs. I eventually performed in Town Hall, Manhattan, NY, on national television (singing on Lawrence Welk's Show, ABC Network), and once jammed on stage with Cannonball Adderly. I write fiction and music and have a strong interest in computers, graphics and their uses in public education; I love cars & Jeeps, enjoy all aspects of nature, hiking, boating, swimming, and I especially like slogging in swamps. I am active in the field as a botanist and for personal recreation.

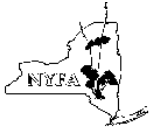
Family Background:

Ted R. Mitchell (Father): was a pioneer in small game management, working for the Western Winchester Corporation, Olin Industries, and later for the North Carolina Wildlife Commission. We lived on game farms in Illinois and North Carolina, where my father raised quail, pheasants and trained championship field-trial dogs. In later life, he was the manager of several wildlife refuges, and his work on quail pen designs and the uses of plants in wildlife borders were well-known.

George W. Mitchell - (Paternal Grandfather): being 100 years older than I, he was 70 years old when my father was born. A Virginia farmer, he opposed slavery, but was a great admirer of Robert E. Lee. He followed General Lee, served and became a decorated Confederate veteran.

Judge J. J. Lunsford - (Maternal Grandfather): was a lawyer and one of the founders of the Peninsula Telephone Company of Florida; he wrote and revised the original charter of the city of Tampa. He also founded the Tampa Law Library and ran it for over four decades, training young lawyers. In 2001, it was named the James Joseph Lunsford Law Library in his honor.

William H. Seward - (Great-great Uncle): was governor of New York; later, while serving as Secretary of State under Abraham Lincoln, he negotiated the purchase of Alaska. His nephew, Thomas Seward, deeded his Virginia lands to the government – now Seward National Forest.



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