

CARL ROTHFELS

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EDUCATION

- 2006–2012 **Duke University, Durham NC** *PhD Biology*
- Studying plant systematics and evolution; Advisor: Dr. Kathleen Pryer.
- 1996–2001 **McMaster University, Hamilton ON** *Bachelor of Arts & Science Combined Honours Biology*
- This five-year multidisciplinary program is unique among Canadian institutions.
 - Graduated with an average of 11.4 (of 12).

SELECT AWARDS

- 2012 **Postdoctoral Fellowship**
NSERC, \$40,000/year for two years.
- 2011 **Doctoral Dissertation Improvement Grant**
NSF, for dissertation research expenses. \$15000
- 2009 **Biology Grant-in-Aid**
Duke University. \$1000.
- 2009 **Lewis and Clark Fund for Exploration and Field Research**
Awarded by the American Philosophical Society, to support fieldwork. \$2500.
- 2009 **Dissertation Research Grant**
Awarded by the Duke Center for Latin American and Caribbean Studies, to support fieldwork. \$900
- 2009 **Graduate Student Research Grant**
Awarded by American Society of Plant Taxonomists. \$600
- 2008 **NSERC PGS D Research Scholarship**
For students pursuing doctorate degrees. \$21000/year for up to three years.
- 2007 **Graduate Student Research Award**
Awarded by the Society of Systematic Biologists for the collection of preliminary data. \$1700.
- 2007 **Society of Systematic Biologists Mini-PEET Award**
To enhance the transfer of taxonomic expertise. \$1400.
- 2006 **Julie Payette-NSERC Research Scholarship**
Awarded to the 24 best PGS M applicants: NSERC's highest scholarship for Canadians entering graduate studies. \$25000 for one year.
- 2006 **University Scholars Fellowship**
Duke University's most prestigious award offered for graduate study. \$17000, plus tuition, for one year.
- 2006 **James B. Duke Fellowship**
To "attract and develop outstanding scholars at Duke." \$4000 per year for four years.
- 2000 **Chancellor's Gold Medal**
Awarded to the McMaster University student who has completed the penultimate year of any four or five-level program and who ranks highest in scholarship, leadership, and influence.
- 1996 **McMaster Scholars Scholarship**
Highest entrance scholarship awarded to an incoming undergraduate.
- 1995 **Ontario Junior Citizen of the Year**
I got a button.

PEER-REVIEWED JOURNAL ARTICLES

- **Rothfels, C.J.**, A. Larsson, F.-W. Li, E.M. Sigel, L.Huiet, D.O. Burge, M. Ruhsam, S.W. Graham, D. Stevenson, G.K.-S. Wong, P. Korall, K.M. Pryer. 2013. Transcriptome-mining for single-copy nuclear markers in ferns. PLoS ONE (in review).
- **Rothfels, C.J.**, and E. Schuettpelz. 2013. Accelerated rate of molecular evolution for vittarioid ferns is strong and not driven by selection. Systematic Biology (in review).
- Sundue, M.A., and **C.J. Rothfels**. 2013. Stasis and convergence characterize morphological evolution in eupolypod II ferns. Annals of Botany (in review).
- León, B., **C.J. Rothfels**, M. Arakaki, K.R. Young, K.M. Pryer. 2013. Revealing a cryptic fern distribution through DNA sequencing: *Pityrogramma trifoliata* in the western Andes of Peru. American Fern Journal 103(1):40-48.
- **Rothfels, C.J.**, M.D. Windham, and K.M. Pryer. 2013. A plastid phylogeny of the cosmopolitan fern family Cystopteridaceae (Polypodiopsida). Systematic Botany 38(2): 295–306.
- **Rothfels, C.J.**, E. Gaya, L. Pokorny, Paul Rothfels, Peter Rothfels, and G.R. Feulner. 2012. Five new records for the Arabian Peninsula and other significant fern, lichen and bryophyte collections from the UAE and northern Oman. Tribulus 20: 4-20.
- **Rothfels, C.J.**, E.M. Sigel, and M.D. Windham. 2012. *Cheilanthes feei* T. Moore (Pteridaceae) and *Dryopteris erythrosora* (D.C. Eaton) Kunze (Dryopteridaceae) new for the flora of North Carolina. American Fern Journal 102(2): 184-186.
- **Rothfels, C.J.**, M.D. Sundue, L.Y. Kuo, A. Larsson, M. Kato, E. Schuettpelz, and K.M. Pryer. 2012. A revised family-level classification for eupolypod II ferns (Polypodiidae: Polypodiales). Taxon 61(3): 515-533.
- **Rothfels, C.J.**, A. Larsson, L.-Y. Kuo, P. Korall, W.-L. Chiou, and K.M. Pryer. 2012. Overcoming deep roots, fast rates, and short internodes to resolve the ancient rapid radiation of eupolypod II ferns. Systematic Biology 61(3): 490-509.
- Johnson, A.K., **C.J. Rothfels**, M.D. Windham, and K.M. Pryer. 2012. Unique expression of a sporophytic character on the gametophytes of notholaenid ferns (Pteridaceae). American Journal of Botany 99: 1118-1124.
- Li, F.-W., L.-Y. Kuo, **C.J. Rothfels**, A. Ebihara, W.-L. Chiou, M.D. Windham, and K.M. Pryer. 2011. *rbcL* and *matK* earn two thumbs up as the core DNA barcode for ferns. PLoS ONE 6: e26597.
- Mayrose, I, S.H. Zhan, **C.J. Rothfels**, K. Magnuson-Ford, L. Rieseberg, M.S. Barker, and S.P. Otto. 2011. Recently formed polyploid plants diversify at lower rates. Science 333: 1257.
- Galbraith, D.A., N.E. Iwanycki, B.V. McGoey, J. McGregor, J.S. Pringle, **C.J. Rothfels**, and T.W. Smith. 2011. The evolving role of botanical gardens and natural areas: A floristic case study from Royal Botanical Gardens, Canada. Plant Diversity and Resources 33(1): 123-131.
- Pryer, K.M., E. Schuettpelz, L. Huiet, A.L. Grusz, **C.J. Rothfels**, T. Avent, D. Schwartz, and M.D. Windham. 2010. DNA barcoding exposes a case of mistaken identity in the fern horticultural trade. Molecular Ecology Resources 10: 979-985.
- Windham, M.D., L. Huiet, E. Schuettpelz, A.L. Grusz, **C.J. Rothfels**, J.B. Beck, G. Yatskievych, K.M. Pryer. 2009. Using plastid DNA sequences to redraw generic boundaries in cheilanthoid ferns (Pteridaceae). Amer Fern Journal 99: 128-132.
- **Rothfels, C.J.**, M.D. Windham, A.L. Grusz, G.J. Gastony, and K.M. Pryer. 2008. Toward a monophyletic *Notholaena* (Pteridaceae): Resolving patterns of evolutionary convergence in xeric-adapted ferns. Taxon 57(3): 712-724.
- Jaramillo, A., M.T.J. Johnson, **C.J. Rothfels**, and R.A. Johnson. 2008. The native and exotic avifauna of Easter Island: Then and now. Boletín Chileno de Ornitología 14(1): 8-21.
- **Rothfels, C.J.** 2004. Significant vascular plant records from the Hamilton area, Ontario. Can. Field-Nat. 118(4): 612-615.
- **Rothfels, C.J.**, L.L. Beaton, and S. Dudley. 2002. The effects of salt, manganese, and density on life history traits in *Hesperis matronalis* L. from oldfield and roadside populations. Canadian Journal of Botany 80: 131-139.
- Johnson, M.T. and **C.J. Rothfels**. 2001. The establishment and proliferation of the rare exotic plant, *Lythrum hyssopifolia*, (Hyssop-leaved Loosetrife), at a pond in Guelph, Ontario. Canadian Field-Naturalist 115(2): 229-233.

OTHER PEER-REVIEWED PUBLICATIONS

- **Rothfels, C.J.** and T.W. Smith. In review. Update COSEWIC report on Green Dragon, *Arisaema dracontium*. Committee on the Status of Endangered Wildlife in Canada, Ottawa.
- Smith, T.W. and **C.J. Rothfels**. In review. Update COSEWIC report on Broad Beech Fern, *Phegopteris hexagonoptera*. Committee on the Status of Endangered Wildlife in Canada, Ottawa.
- Waldron, G., **C.J. Rothfels**, J. Bowles, and Environment Canada. 2011. Recovery strategy for the Skinner's Agalinis (*Agalinis skinneriana*) in Canada [Proposed]. Species at Risk Act Recovery Strategy Series. Environment Canada. v + 16 pp.
- Smith, T.W. and **C.J. Rothfels**. 2010. Recovery strategy for Few-flowered Club-rush (*Trichophorum planifolium*) in Ontario. Ontario Recovery Strategy Series. Prepared for the Ontario Ministry of Natural Resources, Peterborough, Ontario. ii + 4 pp. + Appendix vi + 22 pp. + addenda.
- **Rothfels, C.J.** and S.Y. Gibson. 2007. COSEWIC assessment and update status report on the round-leaved greenbrier (Great Lakes Plains and Atlantic population) *Smilax rotundifolia* in Canada. Committee on the Status of Endangered Wildlife in Canada, Ottawa.
- Smith, T.W. and **C.J. Rothfels**. 2007. Recovery strategy for Few-flowered Club-rush/Bashful Bulrush (*Trichophorum planifolium* (Sprengel) Palla) in Canada. Prepared for the Ontario Ministry of Natural Resources by Royal Botanical Gardens. Hamilton. vi + 22 pp.
- Smith, T.W., **C.J. Rothfels**, and E. Oberndorfer. 2006. COSEWIC assessment and update status report on the American Columbo *Frasera caroliniensis* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vi + 21 pp. (www.sararegistry.gc.ca/status/status_e.cfm).

CONFERENCE, SEMINAR, AND POSTER PRESENTATIONS

- **Rothfels, C.J.**, E. Schuettpelz. 2013. *Selection at the protein level does not drive the elevated substitution rates of vittarioid ferns*. Oral Paper: Evolution 2013, Snowbird, Utah.
- Li, F-W, **C. Rothfels**, A. Larsson, E. Sigel, L. Huiet, P. Korall, M. Ruhsam, D. Stevenson, S. Graham, G.K.S. Wong, K. Pryer. 2013. *Mining fern transcriptome data for low-copy nuclear markers*. Oral Paper: Botany 2013, New Orleans, Louisiana.
- **Rothfels, C.J.** 2012. *Polyploids are evolutionary failures*. Seminar: Systematics Discussion Group, Duke University.
- **Rothfels, C.J.**, A. Larsson, L-Y. Kuo, P. Korall, W-L. Chiou, K.M. Pryer. 2011. *Ancient, rapid, yet resolvable: The backbone phylogeny of the eupolypod II radiation*. Oral Paper: Botany 2011, St. Louis.
- Johnson, A.K., **C.J. Rothfels**, A.L. Grusz, E. Sigel, M.D. Windham, K.M. Pryer. 2011. *Sporophytes and gametophytes of notholaenid ferns (Pteridaceae) show correlated presence/absence of farina*. Poster: Botany 2011, St. Louis.
- Li, F-W., L-Y Kuo, **C.J. Rothfels**, A. Ebihara, W-L. Chiou, M.D. Windham, K.M. Pryer. 2011. *rbcL and matK earn a thumbs up as the core DNA barcode for ferns*. Oral Paper: Botany 2011, St. Louis.
- **Rothfels, C.J.** 2010. *Fast ferns: An accelerated rate of molecular evolution spans all three genomes in vittarioid ferns*. Seminar: Systematics Discussion Group, Duke University.
- **Rothfels, C.J.** 2010. *Ferns get some spine: Resolving the backbone of the eupolypods II phylogeny*. Seminar: Systematics Discussion Group, Duke University.
- **Rothfels, C.J.**, E. Schuettpelz, K.M. Pryer. 2010. *An accelerated rate of molecular evolution spans all three genomes in vittarioid ferns*. Oral Paper: Evolution 2010, Portland, Oregon.
- **Rothfels, C.J.**, M.D. Windham, K.M. Pryer. 2009. *New insights into the relationships of Cystopteris, Acystopteris, and Gymnocarpium*. Oral Paper: Botany 2009, Snowbird, Utah.
- **Rothfels, C.J.** 2008. *Diversification and Polyploidy in a Cosmopolitan Fern Genus*. Seminar: Systematics Discussion Group, Duke University.
- Windham, M.D., J. Beck, A.L. Grusz, L. Huiet, **C.J. Rothfels**, E. Schuettpelz, G. Yatskievych, and K.M. Pryer. 2008. *Using plastid and nuclear DNA sequences to redraw generic boundaries and demystify species complexes in cheilantheid ferns*. Oral Paper: Botany 2008, Vancouver.
- **Rothfels, C.J.**, M.D. Windham, K.M. Pryer, Jordan Metzgar, and Amanda Grusz. 2007. *Making Fronds in the Desert: Phylogenetics of Farinose Ferns (Notholaena: Pteridaceae)*. Oral Paper: Botany 2007, Chicago.
- **Rothfels, C.J.** 2005. *Odonata of Vernal Pools*. Oral Paper: Ontario Vernal Pool Association AGM, Port Rowan, ON.
- **Rothfels, C.J.** 2004. *Research at Royal Botanical Gardens*. Seminar: McMaster University Evolution and Ecology Seminar, Hamilton ON.
- **Rothfels, C.J.**, and M.T. Johnson. 2003. *Botanists abroad*. Keynote Address: Field Botanists of Ontario AGM, Guelph, ON.

EMPLOYMENT

2013	University of British Columbia	<i>Postdoctoral Fellow</i>
	<ul style="list-style-type: none"> ▪ This position, in Sally Otto's lab, is funded for two years through an NSERC PDF fellowship 	
2011	North Carolina Botanical Garden	<i>Instructor</i>
	<ul style="list-style-type: none"> ▪ I designed and taught a four-week, 12-hour course on the <i>Biology and Evolution of Ferns and Lycophytes</i> for the Garden's Native Plant Studies Program. 	
2003–2006	Royal Botanical Gardens, Hamilton ON	<i>Natural Lands Steward (Acting)</i>
	<ul style="list-style-type: none"> ▪ As the Steward, I was responsible for the implementation and administration of projects relating to RBG's 1000-hectare nature sanctuary properties, with an annual budget of approximately half a million dollars. ▪ The Steward is RBG's connection to many partner organizations and the public face of RBG's ambitious Project Paradise (www.rbg.ca/pages_sci_conserv/sci_conserv_proparadise.html) 	
2002–2006	Royal Botanical Gardens, Hamilton ON	<i>Field Botanist and Herbarium Curator</i>
	<ul style="list-style-type: none"> ▪ As Field Botanist I was responsible for wild-plant botany projects both within and beyond RBG's boundaries, including rare species research and recovery, invasives identification and management, floral inventory and monitoring, and habitat restoration. ▪ As Herbarium Curator, I was responsible for all elements of the curation of the 80,000-specimen Royal Botanical Gardens Herbarium (HAM). During my tenure, this collection experienced a period of strong growth and activity. 	
Winter 2002	University of Toronto, Toronto ON	<i>Field Researcher</i>
	<ul style="list-style-type: none"> ▪ Tracked Pine Marten (<i>Martes americana</i>) and other mammals for Laura Nagel's PhD project: "Effects of selective logging on mammalian communities." 	
Winter 2002	Ontario Ministry of Natural Resources	<i>Historic Vegetation Reporter</i>
	<ul style="list-style-type: none"> ▪ For this contract, fulfilled concurrently with the Pine Marten research, I produced a 37-page synthesis and summary of the historic fire regimes in Ontario Ecodistricts 5E-9 and 5E-10. 	

- 2000–2001 **McMaster University, Hamilton ON** *Teaching Assistant*
 - Assisted with lectures and other class activities for a third-year Environmental Inquiry course.

Summers 1995–2000 **Ontario Ministry of Natural Resources** *Algonquin Provincial Park Interpretive Naturalist*
 - I created and delivered natural history programs (guided walks, canoe outings, slide presentations, children’s presentations, etc.) at Ontario’s flagship provincial park.
 - Responsibilities also included Algonquin Park Museum Herbarium (APM) curatorial duties, and *Carex* surveys for an upcoming field guide.

Spring 1998 **University of Toronto at Mississauga, ON** *Research Assistant*
 - Field assistant for Dr. Peter Kotanen and Sean Blaney on projects involving seed biology and depredation, especially with respect to differences between native and nonnative congeners.

Summers 1992–1994 **South Lake Simcoe Naturalists’ Club** *Field Researcher*
 - Worked on field research in three areas with different levels of human development to help ascertain the effect of human disturbance on bird populations and species richness.

VOLUNTEER EXPERIENCE

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- 2011 **Strategies and Techniques for Analyzing Microbial Population Structures** *Teaching Assistant*
 - The 1st STAMPS workshop at Woods Hole, Mass. One of 10 TAs for the 60+ students (10 days).

2011 **Workshop on Molecular Evolution** *Teaching Assistant*
 - The 24th MoE workshop at Woods Hole, Mass. One of four TAs for the 60+ students (10 days).

2010–present **American Fern Journal** *Associate Editor*
 - Manage and review manuscripts.

2007–2010 **Duke University Biology Department** *Seminar Coordinator*
 - Coordinator of the weekly Systematics Discussion Group and Seminar.

2008 **Duke University Biology Department** *Teaching Assistant*
 - For Bio142L, Plant Systematics and Evolution.

2002–2006 **Hamilton Naturalists’ Club** www.hamiltonnature.org *Wood Duck Editor*
 - This 24-page journal comes out nine times a year. My responsibilities included soliciting material, editing, and layout (www.hamiltonnature.org/publications/newsletter.htm).

2002–2006 **Hamilton Naturalists’ Club** www.hamiltonnature.org *Member of Board of Directors*
 - The HNC is a very active club, with annual project budgets often in excess of \$250,000.

2002–2006; 1996–2000 **Hamilton Junior Naturalists’ Club** *Coordinator*
 - The HJNC meets monthly, and is very popular; there is currently a waiting list of over 100 children seeking admission (www.hamiltonnature.org/activities/juniors.htm).
 - I, with another coordinator and a group of leaders, planned and ran this program.

2003–2006 **Environmentally Significant Areas Impact Evaluation Group (ESAIEG)**
 - ESAIEG is a seven-member group that advises Hamilton City Council on the environmental impacts of proposed developments adjacent to designated Environmentally Significant Areas.

2004–2006 **Hamilton Odonate Count** *Coordinator and Compiler*
 - I founded this annual census of the dragonflies and damselflies of the Hamilton area, attracted participants, and compiled and published the results.

2000–2005 **Ontario Breeding Bird Atlas** *Atlasser*
 - Documented breeding statuses for Ontario avifauna according to a set protocol, including point counts.

2004 **Brian McHattie Municipal Election Campaign** *Member of Campaign Team*
 - As a key member of Brian’s campaign team, I contributed to his victory over the long-time incumbent. During the campaign, we raised over \$20,000, all from private individuals.

2004 **Atlantic Canada Conservation Data Centre** *Fauna and Flora Inventory Volunteer*
 - Assisted with the flora, butterfly, and odonate inventory of Portage Island (New Brunswick), including report preparation (one week).

2001 **Eastern Whipbird Acoustic Ecology** *Field Research Assistant*
 - Assisted Amy Rogers with her PhD on *Psophodes olivaceus* (four weeks).

1997 **Bird Studies Canada** *Migration Monitoring Volunteer*
 - Assisted at the Long Point Bird Observatory with bird extraction, bird banding, daily censuses, data entry, and turtle inventories (six weeks).

OTHER PUBLICATIONS

- Pryer, Kathleen M., Alan R. Smith, and **Carl Rothfels**. 2009. Polypodiopsida Cronquist, Takht. & Zimmerm. 1966. Ferns. Version 14 January 2009. <http://tolweb.org/Polypodiopsida/20615/2009.01.14> in The Tree of Life Web Project, <http://tolweb.org/>
- Pryer, Kathleen M., Alan R. Smith, and **Carl Rothfels**. 2008. Polypodiidae Cronquist, Takht. & Zimmerm. 1966. Leptosporangiate Ferns. Version 23 December 2008. <http://tolweb.org/Polypodiidae/21666/2008.12.23> in The Tree of Life Web Project, <http://tolweb.org/>
- **Rothfels, Carl**. 2008. Pteridaceae E.D.M. Kirchn. 1831. Brake Ferns, Maidenhair Ferns, and allies. <http://tolweb.org/Pteridaceae/29352/2008.12.23> in The Tree of Life Web Project, <http://tolweb.org/> [And approximately 30 nested pages].
- **Rothfels, Carl**. 2007. The Comet Darner (*Anax longipes*: Aeshnidae): Possibly breeding in Canada. Ontario Odonata 7:38-41.
- **Rothfels, Carl**. 2007. Three years of the Hamilton odonate count. Ontario Odonata 7: 36-37.
- **Rothfels, Carl**. 2007. Odonata of Halton Region. Ontario Odonata 7: 33-35.
- **Rothfels, Carl**. 2007. Dense darner swarm in Algonquin Provincial Park: Observations and questions. Ontario Odonata 7: 43-48.
- **Rothfels, C.J.** 2007. Significant Hamilton Study Area plant records from the herbarium of Royal Botanical Gardens (HAM): 2005 (part 3). Wood Duck 60(5): 106-111.
- **Rothfels, C.J.** 2006. The dragonflies and damselflies (Odonata) of Halton Region, Ontario. Pages 135-158 in: Halton Natural Areas Inventory 2006: Volume 2 Species Checklists. Hamilton Naturalists' Club, Halton-North Peel Naturalists' Club, and South Peel Naturalists' Club. Hamilton, Ontario.
- **Rothfels, C.J.** 2006. Significant Hamilton Study Area plant records from the herbarium of Royal Botanical Gardens (HAM): 2005 (part 2). Wood Duck 60(4): 83-84.
- **Rothfels, C.J.** 2006. Significant Hamilton Study Area plant records from the herbarium of Royal Botanical Gardens (HAM): 2005 (part 1). Wood Duck 60(3): 60-62.
- **Rothfels, C.J.** 2006. Hamilton odonate count III: Zebras and spatterdocks. Wood Duck 60(1): 13-15.
- **Rothfels, C.J.** 2006. Significant Hamilton Study Area (HSA) odonate records from 2005. Wood Duck 59(9): 222-225.
- Van Ryswyk, B. and **C.J. Rothfels**. 2006. Significant 2005 odonate records from Halton Region. Wood Duck 59(8): 183-186.
- **Rothfels, C.J.** and W. Muma. 2006. Goldfinch killed by burdock. Wood Duck 59(7):151-152.
- **Rothfels, C.J.** 2006. One specimen, many stories. Now @ The Gardens. 3(1): 4-5.
- **Rothfels, C.J.** 2006. Heating up the sanctuaries: Gardens' prescribed burns 2006. Now @ The Gardens. 3(2): 7.
- **Rothfels, C.J.** 2005. Significant plant records from the herbarium of Royal Botanical Gardens (HAM): 2003. Field Botanists of Ontario Newsletter. 17(2): 7-12.
- **Rothfels, C.J.** 2005. Botanical diversions: The Latin name game. Field Botanists of Ontario Newsletter. 17(4): 12.
- **Rothfels, C.J.** 2005. A Brown Widow (*Lactroedectus geometricus*) arrives in Burlington. Wood Duck. 59(4): 98.
- **Rothfels, C.J.** 2005. The second annual Hamilton odonate count. Wood Duck. 59(3): 53-55.
- **Rothfels, C.** 2005. American Columbo (*Frasera caroliniensis*) in the Cartwright Nature Sanctuary. Wood Duck. 59(1): 3-4.
- **Rothfels, C.J.** 2005. Significant 2004 Hamilton Study Area plant records from the Royal Botanical Gardens herbarium (HAM). Part II: Alphabetical families Lardizabalaceae to Vitaceae. Wood Duck. 58(9): 219-223.
- **Rothfels, C.J.** 2005. Significant 2004 Hamilton Study Area plant records from the Royal Botanical Gardens herbarium (HAM). Part I: Alphabetical families Aceraceae to Lamiaceae. Wood Duck. 58(8): 187-192.
- Welch, T. and **C.J. Rothfels**. 2005. Trumpeter swans (*Cygnus buccinator*) fledge young at The Gardens. Now @ The Gardens. 2(4).
- Scott, E. C. and **C.J. Rothfels**. 2005. Getting muddy for the marsh—marsh volunteer plantings 2005. Now @ The Gardens. 2(4).
- Rivet, R. and **C.J. Rothfels**. 2005. York Boulevard Prairie prescribed burn 2005. Now @ The Gardens. 2(3).
- **Rothfels, C.J.**, T.Theysmeyer, and B.McKean. 2005. Rare fish found at the Fishway. Now @ The Gardens. 2(2).
- **Rothfels, C.J.** 2005. Princess Point Earth Day planting. Now @ The Gardens. 2(2).
- **Rothfels, C.J.** and P.M. Catling. 2005. Major dragonfly migration at Hamilton. Ontario Odonata. 6: 40.
- **Rothfels, C.J.** 2004. Unicorn Clubtail (*Arigomphus villosipes*: Gomphidae): New records and summary of status in Ontario. Ontario Odonata. 5: 5-11.
- **Rothfels, C.J.** 2004. Significant plant records from the herbarium of Royal Botanical Gardens (HAM): 2002. Field Botanists of Ontario Newsletter. 16(3): 7-12.
- **Rothfels, C.J.** 2004. The First Annual Hamilton Odonate Count. Wood Duck. 58(2): 27-29.
- **Rothfels, C.J.**, S. Spisani and J. Sylvester. 2004. Significant 2003 Hamilton Study Area plant records from the Royal Botanical Gardens herbarium (HAM). Wood Duck. 57(9): 213-219.
- **Rothfels, C.J.** 2004. Stoneflies' Great-great-great Grandparents. Wood Duck. 57(8): 179.
- **Rothfels, C.J.** 2004. Intrepid insects: Capniids in Cootes. Wood Duck. 57(7): 153-154.
- **Rothfels, C.J.** 2004. The beetle, the oak, the fire, and the future of our nature sanctuaries. Now @ The Gardens. 1(1).

- **Rothfels, C.J.** 2003. Royal Botanical Gardens Odonate Count 2003. Ontario Insects. 9(1): 11-13
- **Rothfels, C.J.** 2003. Synopsis of Ontario herbaria. Field Botanists of Ontario Newsletter. 16(1): 7-19.
- **Rothfels, C.J.** 2003. Field trip report: Yarmouth Natural Heritage Area. Field Botanists of Ontario Newsletter. 15(4): 7-9.
- **Rothfels, C.J.** 2003. Royal Botanical Gardens odonate count 2003. Wood Duck. 57(1): 5-7.
- **Rothfels, C.J.** 2003. Significant 2002 Hamilton Study Area plant records from the Royal Botanical Gardens herbarium (HAM). Wood Duck. 56(7): 155-161.
- **Rothfels, C.J.** 2002. Botanical Diversions: Salad taxonomy. Field Botanists of Ontario Newsletter. 15(1): 8-10.
- **Rothfels, C.J.** 2002. Review: Lichen guides. Wood Duck. 56: 68.
- **Rothfels, C.J.** 2002. Learning lichens from Ernie Brodo. Wood Duck. 56: 51-54.
- **Rothfels, C.J.** 2002. Listening to whipbird duets in Australia. Wood Duck. 56: 21-22.
- **Rothfels, C.J.** 2002. Synthesis and Summary of the Historic Fire Regime of Ecodistricts 5E-9 and 5E-10. Ontario Ministry of Natural Resources, Ontario Parks, Planning and Research Division. Unpublished report. 37pp.
- **Rothfels, C.J.** 2001. Doi Inthanon – A Hamilton Naturalist Abroad. Wood Duck. 55(3): 57-58.
- **Rothfels, C.J.** and M.T. Johnson. 2000. Botany Excursions: Massassauga Point and Point Petre Wildlife Area, Prince Edward County. Field Botanists of Ontario Newsletter. 13(3): 6-10.
- **Rothfels, C.J.** 1998. Birds of the Feather Band Together. Wood Duck. 51(7): 131-136.