

## Articles

- Cronology of range expansion of the Coyote, *Canis latrans*, in New York  
HEATHER M. FENER, JOSHUA R. GINSBERG, ERIC W. SANDERSON, and MATTHEW E. GOMPPER 1
- Nesting behavior, ecology, seasonal and geographic variation of the Sand Wasp,  
*Stictiella emarginata* (Hymenoptera, Sphecidae) FRANK E. KURZEWSKI and HUGH F. BOYLE 6
- Environment and distribution of age 0 fishes in River Canard, a lowland Ontario river  
JOHN K. LESLIE and CHARLES A. TIMMINS 16
- Charophytes of insular Newfoundland II: *Chara evoluta* and *Chara canescens*  
HENRY MANN and E. M. V. NAMBU DIRI 26
- The effect of human activity on ant species (Hymenoptera: Formicidae) richness  
at the Mont St. Hilaire Biosphere Reserve, Quebec  
JONATHAN Z. SHIK, ANDRE FRANCOEUR, and CHRISTOPHER M. BUDDLE 38
- Seasonal diets of Newfoundland Martens, *Martes americana atrata*  
JOHN W. GOOSE and BRIAN J. HEARN 43
- Pollination and breeding system of Lowbush Blueberries, *Vaccinium angustifolium* Ait.  
and *V. myrtilloides* Michx. (Ericaceae) in the boreal forest  
MASAYUKI USUI, PETER G. KEVAN, and MARTYN OBBARD 48
- Productivity of Osprey, *Pandion haliaetus*, nesting on natural and artificial structures  
in the Kawartha Lakes, Ontario, 1991-2001  
PAMELA A. MARTIN, SHANE R. DE SOLLA, PETER J. EWINS, and MICHAEL E. BARKER 58
- Effects of wetland creation on breeding season bird use in boreal eastern Ontario  
DAVID A. LOCKY, J. CHRIS DAVIES, and BARRY G. WARNER 64
- Lichen trimlines in Peace-Athabasca Delta: Variations in flora, form, and disturbance regime  
KEVIN P. TIMONEY and JANET MARSH 76
- Identification of a marine green alga *Percursaria percursa* from hypersaline springs  
in the middle of the North American continent  
KATHLEEN L. LONDROY, PASCAL H. BADIOU, and STEPHEN E. GRASBY 82
- New distribution records of *Calligrapha* species (Leaf Beetles) in North America  
(Coleoptera, Chrysomelidae, Chrysomelinae) JESUS GOMEZ-ZURITA 88
- Weight-carrying ability and caching behavior of Gray Jays, *Perisoreus canadensis*:  
Adaptions to boreal winter LYNN L. ROGERS 101
- Premières mentions et répartition de la Salamandre sombre du Nord, *Desmognathus fuscus*,  
sur la rive nord du fleuve Saint-Laurent, au Québec  
JEAN-FRANCOIS DESROCHES et DANIEL POULIOT 105
- First records of Long-beaked Common Dolphins, *Delphinus capensis*, in Canadian waters  
JOHN K. B. FORD 110
- Occurrence, composition and formation of *Ruppia*, Widgeon Grass,  
balls in Saskatchewan Lakes  
RANDY W. OLSON, JOSEPH K. SCHMUTZ, and U. THEODORE HAMMER 114

(continued on inside back cover)

ISSN 0008-3550

# The CANADIAN FIELD-NATURALIST

Published by THE OTTAWA FIELD-NATURALISTS' CLUB, Ottawa, Canada

VOLUME 119, NUMBER 1, pages 1-158

THE CANADIAN FIELD-NATURALIST

JANUARY-MARCH 2005



Volume 119, Number 1

January-March 2005

# The Ottawa Field-Naturalists' Club

FOUNDED IN 1879

## Patrons

Her Excellency The Right Honourable Adrienne Clarkson, C.C., C.M.M., C.D.  
Governor General of Canada  
His Excellency John Ralston Saul, C.C.

The objectives of this Club shall be to promote the appreciation, preservation and conservation of Canada's natural heritage; to encourage investigation and publish the results of research in all fields of natural history and to diffuse information on these fields as widely as possible; to support and cooperate with organizations engaged in preserving, maintaining or restoring environments of high quality for living things.

## Honorary Members

Edward L. Bousfield	Bruce Di Labio	John A. Livingston	E. Franklin Pope
Donald M. Britton	R. Yorke Edwards	Stewart D. MacDonald	William O. Pruitt, Jr.
Irwin M. Brodo	Anthony J. Erskine	Hue N. MacKenzie	Joyce and Allan Reddick
William J. Cody	John M. Gillett	Theodore Mosquin	Dan Strickland
Francis R. Cook	C. Stuart Houston	Eugene G. Munroe	John B. Theberge
Ellaine Dickson	George F. Ledingham	Robert W. Nero	Sheila Thomson

## 2005 Council

<b>President:</b> Mike Murphy	Ronald E. Bedford	Diane Kitching	Louise Schwartz
<b>Vice-President:</b> Gillian Marston	Fenja Brodo	Karen McLachlan Hamilton	David Smythe
<b>Recording Secretary:</b> Susan Laurie-Bourque	William J. Cody	David Hobden	Henry Steger
<b>Treasurer:</b> Frank Pope	Kathy Conlan	Cendrine Huemer	Chris Traynor
<b>Past President:</b> Gary McNulty	Francis R. Cook	Diane Lepage	Eleanor Zurbrig
		Stanley Rosenbaum	

To communicate with the Club, address postal correspondence to: The Ottawa Field-Naturalists' Club, P.O. Box 35069, Westgate P.O. Ottawa, Canada K1Z 1A2, or e-mail: ofnc@achilles.net.  
For information on Club activities telephone (613) 722-3050 or check www.ofnc.ca

## The Canadian Field-Naturalist

The *Canadian Field-Naturalist* is published quarterly by The Ottawa Field-Naturalists' Club. Opinions and ideas expressed in this journal do not necessarily reflect those of The Ottawa Field-Naturalists' Club or any other agency.

PAP Registration Number 9477. Canada We acknowledge the financial support of the Government of Canada through the Publication Assistance Program (PAP) toward our mailing costs.

**Editor:** Dr. Francis R. Cook, R.R. 3, North Augusta, Ontario K0G 1R0; (613) 269-3211; e-mail: cfn@ofnc.ca

**Copy Editor:** Elizabeth Morton

**Business Manager:** William J. Cody, P.O. Box 35069, Westgate P.O. Ottawa, Canada K1Z 1A2; (613) 759-1374

**Book Review Editor:** Roy John, 2193 Emard Crescent, Ottawa, Ontario K1J 6K5, e-mail: roy.john@pwgsc.gc.ca

<b>Associate Editors:</b>	Robert R. Anderson	Paul M. Catling	David Nagorsen
	Charles D. Bird	Brian W. Coad	Donald F. McAlpine
	Robert R. Campbell	Anthony J. Erskine	William O. Pruitt, Jr.

**Chairman, Publications Committee:** Ronald E. Bedford

**All manuscripts intended for publication except Book Reviews should be addressed to the Editor and sent by postal mail. Book-review correspondence should be sent by e-mail or postal mail to Roy John, Book-review Editor.**

## Subscriptions and Membership

Subscription rates for individuals are \$28 per calendar year. Libraries and other institutions may subscribe at the rate of \$45 per year (volume). The Ottawa Field-Naturalists' Club annual membership fee of \$28 (individual) \$30 (family) \$50 (sustaining) and \$500 (life) includes a subscription to *The Canadian Field-Naturalist*. All foreign subscribers and members (including USA) must add an additional \$5.00 to cover postage. The club regional journal, *Trail & Landscape*, covers the Ottawa District and Local Club events. It is mailed to Ottawa area members, and available to those outside Ottawa on request. It is available to Libraries at \$28 per year. Subscriptions, applications for membership, notices of changes of address, and undeliverable copies should be mailed to: The Ottawa Field-Naturalists Club, P.O. Box 35069, Westgate P.O. Ottawa, Canada K1Z 1A2. Canada Post Publications Mail Agreement number 40012317. Return Postage Guaranteed. Date of this issue: January–March 2005 (April 2006).

COVER: Gray Jays, *Perisoreus canadensis*, feeding on White-tailed Deer, *Odocoileus virginianus* carcass near Ely, Minnesota. See paper on weight-carrying ability and caching behavior by Lynn L. Rogers page 101-104.

## TABLE OF CONTENTS (concluded)

Volume 119 Number 1 2005

## Feature Article

Why and how to study a snowcover WILLIAM O. PRUITT, JR. 118

## Notes

Découverte de la salamandre à quatre doigts, *Hemidactylum scutatum*, Québec, Québec: limite nord-est de l'espèce sur la rive nord du fleuve Saint Laurent DANIEL POULIOT et JEAN-FRANCOIS DESROCHES 129

Use of a bridge for day roosting by the Hoary Bat, *Lasiurus cinereus* PAUL HENDRICKS, JOSEPH JOHNSON, SUSAN LENARD, and COBURN CURRIER 132

Aggressive behaviour exhibited by a San Joaquin Swift Fox, *Vulpes macrotis mutica* HOWARD O. CLARK, JR. 134

An ancient Wolf, *Canus lupus*, den and associated human activity in the southwestern Yukon Territory RICHARD FARNELL, P. GREGORY HARE, and DANIEL R. DRUMMOND 135

Papillate Watermeal, *Wolffia brailiensis* in eastern Ontario: An addition to the flora of Canada E. R. THOMSON 137

Record size female Coyote, *Canis latrans* JONATHAN G. WAY and ROBERT L. PROIETTO 139

## Book Reviews

ZOOLOGY: Amphibiens et reptiles du Quebec et les maritimes — Mammals of Australia — Birds of the Raincoast: Habits and Habitat — The Bird Almanac: A Guide to Essential Facts and Figures of the World's Birds — Common Birds of Ontario — Frogs of Australia: An Introduction to their Classification, Biology and Distribution — Experimental Approaches to Conservation Biology — Gulls of North America, Europe, and Asia — The Monarch Butterfly: Biology and Conservation — The Behavior and Ecology of Pacific Salmon and Trout — Venomous Reptiles of the Western Hemisphere — Whales and Dolphins of the World 141

BOTANY: Atlas des Plantes Villages du Nanavik – Atlas of Plants of the Nunavik Villages 150

ENVIRONMENT: Boreal Forest of Canada and Russia — Democracy's Dilemma: Environment, Social Equity, and the Global Economy — Emulating Natural Forest Landscape Disturbances: Concepts and Applications 150

MISCELLANEOUS: The Nature Journal: A Handbook 154

NEW TITLES 155

## News and Comment

*Marine Turtle Newsletter* (107) — *Froglog* (67) February 2005: last printed issue — New Canadian Journal: *Wildlife Afield* (1 & 2) 156

**Advice to Contributors** 158

Mailing date of the previous issue 118(4): 3 March 2006