

FREDERICTON NATURE CLUB



Newsletter Autumn 2024



Current Executive

President: Milda Markauskas
Treasurer and Membership: Maxwell Francioni
Webmaster: David Lilly
Secretary: André Vietinghoff
Past President: Dr. Tony Diamond (ex officio)

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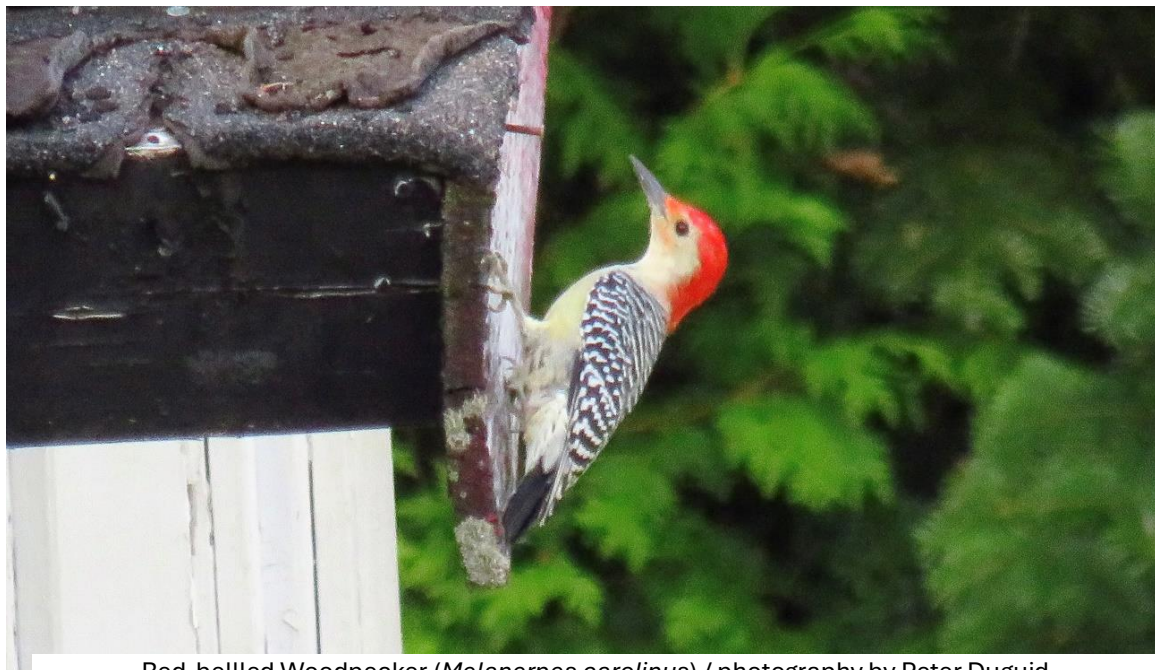
[Website](#)



Nelson's Sparrow (*Ammospiza nelsoni*) /
photo by Denise Weigum



Great Egret (*Ardea alba*) / photo by Peter Duguid



Red-bellied Woodpecker (*Melanerpes carolinus*) / photography by Peter Duguid

Editor's Corner

Happy mid autumn, everyone!

Now that our AGM is over, you are probably aware that **Milda Markauskas** and **Maxwell Francioni** have kindly stepped up to fill the **President's** and **Treasurer's** spots. Many thanks to **Dr. Tony Diamond**, past President, and to **Doug Jackson**, Treasurer for the past year. The club had a banner year in 2023/2024. **David Lilly** and I continue as **Webmaster** and **Secretary**, respectively. Thanks to **Dorothy Diamond** – the **nominating committee** ahead of the AGM. We thank **Judith Dewar** for running the social hour last year and **Michele Coleman** for offering to be social convenor for the 2024/25 year.

A brief word about the two book recommendations in this issue: your editor may have flouted the rules of reviewing in selecting Jim Robbins' The Wonder of Birds. Published in 2018, this work is not a very recent publication and may thus be of lesser interest to bird book readers than more recent ones. The same applies to Gathering moss: a natural and cultural history of mosses / by Robin Wall Kimmerer published in 2003. However, the audiobook available via Libby from the New Brunswick electronic library was published in 2018 and was so charmingly narrated by the author that I could not ignore it – although I chose an abstract from the NBPLS online catalogue rather than write a book review.

Until our nature trails cross again!

Translation into French by DeepL free version

Le mot de la rédaction

Joyeux milieu de l'automne, tout le monde !

Maintenant que notre AGA est terminée, vous savez probablement que Milda Markauskas et Maxwell Francioni ont aimablement pris la relève de la présidente et du trésorier. Un grand merci au Dr Tony Diamond, ancien président, et à Doug Jackson, trésorier de la dernière année. Le club a connu une année record en 2023/2024. David Lilly et moi-même continuons respectivement en tant que webmestre et secrétaire. Merci à Dorothy Diamond – le comité de nomination avant l'AGA. Nous remercions Judith Dewar d'avoir animé l'heure sociale l'année dernière et Michele Coleman d'avoir proposé d'être la responsable sociale pour l'année 2024/25.

Un bref mot sur les deux recommandations de livres de ce numéro: votre éditeur a peut-être bafoué les règles de la critique en choisissant The Wonder of Birds de Jim Robbins. Publié en 2018, cet ouvrage n'est pas une publication très récente et peut donc présenter un moindre intérêt pour les lecteurs de livres sur les oiseaux que les plus récents. Il en va de même pour Gathering moss: a natural and cultural history of mosses / de Robin Wall Kimmerer publié en 2003. Cependant, le livre audio disponible via Libby à partir de la bibliothèque électronique du Nouveau-Brunswick a été publié en 2018 et a été raconté de manière si charmante par l'auteur que je ne pouvais pas l'ignorer – bien que j'aie choisi un résumé du catalogue en ligne de la NBPLS plutôt que d'écrire une critique de livre.

Jusqu'à ce que nos sentiers naturels se croisent à nouveau !

Traduction en français par DeepL, version gratuite.

Financial Picture

Hello all - I hope you all are staying warm as the weather finally begins to cool down! I wanted to extend my thanks for your trust in electing me as your club treasurer for the 2024-25 year. I and our new President, Milda Markauskas, have a standing appointment on the 6th of November to be signed in full onto the club's financial accounts. The club is in good financial standing; our fees for the monthly meeting space at the Stepping Stone Centre have been paid in full for the 2024-25 club year.

The club entered the 2023-24 year with a balance of \$1423.73; club income for the 2023-24 totalled \$5045.00, with \$1680.00 from memberships, and \$3200.00 from donations, and \$160.00 from fundraising. Main expenses were the Stepping Stone space rental, gifts for speakers, club insurance, web hosting, and optics and field guides, the latter of which were financed by the aforementioned donation. Expenses totalled \$4109.91, and the club begins the current 2024-25 with a balance of \$2358.82. Since then, the club has raised \$450 through current year memberships, putting our balance at \$2808.82.

At the time of writing, eighteen (18) members have paid their memberships for the current year; for those who have not yet paid, please pay by e-transfer to the club email (frederictonnatureclub@gmail.com), or by cheque at our club meetings, the first Thursday of every month. The membership dues for the 2024-25 year are \$25.00 per individual, or \$10.00 for post-secondary students. As always, your dues go entirely to the club and allow us to cover the rental of the club space, for our meetings and the Christmas Bird Count compilation, as well as thanking our monthly speakers, providing snacks for our meetings, and other bureaucratic costs.

Cheers and enjoy the Autumn in nature,
Maxwell Francioni
Treasurer

Submitted 4 November by Maxwell Francioni, Treasurer



CASH FLOW FROM 2023-24 AMENDED

Opening Balance as of Oct 1, 2023 \$1,423.73

Income:

| | |
|--------------------|-------------------|
| Adult Memberships | \$1,675.00 |
| Student Membership | 10.00 |
| Fundraising | 160.00 |
| Donation | 3,200.00 |
| Total | \$5,045.00 |

Expenses:

| | |
|------------------------------|-------------------|
| Room Rental – Stepping Stone | \$400.00 |
| Nature NB Insurance | 145.00 |
| Web Services | 278.28 |
| Gifts for Speakers | 120.00 |
| Administration | \$51.99 |
| Fundraising | 86.25 |
| Optics & Field Guides | 2,910.75 |
| Social Time | 117.64 |
| Total | \$4,109.91 |

Excess / (Deficit) \$935.09

Closing Balance as of Sept 30, 2024 \$2,358.82

Actual Total 2023-24 Dues: \$1,530.00

Actual 2023-24 Excess: \$790.09

Submitted 3 October 2024 by Doug Jackson, Outgoing Treasurer

Accounts for 2024/25 Memberships paid ahead of the AGM

Outing Reports

FNC Outing to: **Saint John: Irving Nature Park / Saints Rests Marsh**

Organizers: **André Vietinghoff**

Date: **August 3, 2024**

Time: 9:00 – 12:00

Weather: Foggy, cool

Number of participants: **4** (Maxwell Francioni, Laurie Janes, Sylvie Race, André Vietinghoff)

Total species: **26** (*individual numbers not given because of possible overlap*)

Laurie knew the trails quite well and made good suggestions on where to go. Maxwell was certainly the star of the day in his identification, recording on eBird, and photography!

| SPECIES * | # ind. | area | # ind. | area | # ind. | area |
|--------------------------|--------|-----------|--------|----------|--------|--------------|
| | | | | path | | n. peninsula |
| American Black Duck | 19 | Boardwalk | 19 | to beach | | walk back |
| American Crow | 5 | Boardwalk | | to beach | | walk back |
| American Goldfinch | | | 1 | to beach | | walk back |
| American Redstart | | | 3 | to beach | | walk back |
| American Robin | | | 1 | to beach | | walk back |
| American Widgeon | 1 | Boardwalk | | to beach | | walk back |
| Bald Eagle | 1 | Boardwalk | | to beach | | walk back |
| Belted Kingfisher | | | 1 | to beach | | walk back |
| Black Scoter | | | 1 | to beach | | walk back |
| Black-capped Chickadee | 2 | Boardwalk | | to beach | 5 | walk back |
| Canada Goose | 21 | Boardwalk | | to beach | | walk back |
| Cedar Waxwing | 1 | Boardwalk | 2 | to beach | | walk back |
| Common Eider | 1 | Boardwalk | | to beach | | walk back |
| Double-crested Cormorant | | | 10 | to beach | | walk back |
| Golden-crowned Kinglet | | | 1 | to beach | 2 | walk back |
| Great Blue Heron | 8 | Boardwalk | 4 | to beach | | walk back |
| Great Egret | 1 | Boardwalk | 1 | to beach | | walk back |
| Herring Gull (American) | 7 | Boardwalk | 25 | to beach | | walk back |
| Least Sandpiper | 10 | Boardwalk | 1 | to beach | | walk back |
| Lesser Yellowlegs | 2 | Boardwalk | 5 | to beach | | walk back |
| Mallard | 4 | Boardwalk | | to beach | | walk back |
| Nelson's Sparrow | 1 | Boardwalk | 4 | to beach | 1 | walk back |
| peep (Sandpiper) sp. | 20 | Boardwalk | | to beach | | walk back |
| Ring-billed Gull | 1 | Boardwalk | 150 | to beach | | walk back |
| Song Sparrow | 3 | Boardwalk | 3 | to beach | | walk back |
| Swainson's Thrush | | | | to beach | 2 | walk back |

FNC Outing: Foraging in Odell Park

Leader: Anthony Brooks

Organizer: Doug Jackson

DATE: Sunday, Sept 8, 2024

Participants: 6



Golden chanterelle
(*Cantharellus cibarius senu*)

Led by Anthony Brooks who also conducts outings with his mother

in Odell Park as Wabanaki Tree Spirit Tours. Anthony is self-taught with regard to mushrooms and is a Medicine Keeper.

He provided information on parts of the mushroom, identification tips, safety, edibility, and medicinal properties.

Several species of mushrooms were found in the lower part of Odell Park. Among those were the edible Chanterelle, Puffball, Ink Cap, and the very poisonous Destroying Angel. Species varied in shape, texture, and colour.



Crouching: Anthony Brooks, Standing l-r: Nancy Dufour, Bonnie Flynn / photo by Doug Jackson.



Crouching: Anthony Brooks; Facing camera: Derek Hogan, With back to camera: Nancy Dufour. Mostly hidden from camera: Milda Markauskas in blue and Beth Johnston / Photo by Doug Jackson.

FNC outing: Gateway Wetlands and Conservation Area

Date: **14 Sept. 2024**; Time: 9:00 a.m.

Leader: **David Lilly**

Attendees (6): Bonnie Flynn, Doug Jackson, John Francis Mcloughlin, André Vietinghoff, Denise Weigum

Weather: Sunny, slightly breezy, ranging from 16 0 C. – 18 0 C.

This was billed as a bird outing. The trail we followed was the Oromocto Gateway wetland trail, with frequent stops to look at birds. It was the first visit to this conservation area for some of us, and the novelty and the view of the large wetlands made it worthwhile. However, our bird tally of **17** species exceeded my expectations:

The following birds were tallied: 3 American Crow, 1 American Goldfinch, 9 Black-capped Chickadee, 1 Blue Jay, 2 Blue-headed Vireo, 23 Cedar Waxwing, 1 Downy Woodpecker, 1 Mourning Dove, 1 Northern Flicker, 1 Pileated Woodpecker, 1 Red-tailed Hawk, 6 Red-winged Blackbirds, 1 Song Sparrow, 1 Swamp Sparrow, 1 White-breasted Nuthatch, 2 White-throated Sparrow, 2 Wood Duck



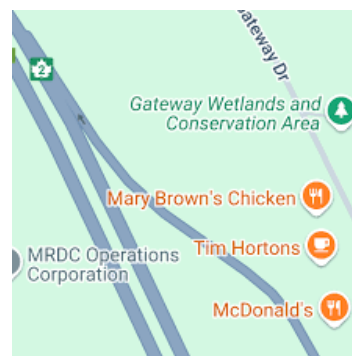
From l-r: Doug Jackson, Bonnie Flynn, John Francis Mcloughlin, André Vietinghoff, David Lilly, Denise Weigum



From l-r: Doug Jackson, Bonnie Flynn, John Francis Mcloughlin, André Vietinghoff, David Lilly, Denise Weigum



Gateway Conservation Area marsh / photo by AllTrails



Gateway Wetland Centre / map by Fredericton Capital Region

FNC Outing: Grand Manan

DATE: Saturday, September 21, 2024

Weather: chilly

Participants: 4 (Maxwell Francioni, Milda Markauskas, Barry Monson, Denise Weigum)

No. of bird species seen: **32**

Report by: Maxwell Francioni

We had a lovely (if a bit chilly) day on Grand Manan yesterday. I wanted to send forward the bird list for the day, which is 32 species long. We also ran into many other birders who were looking for a Clapper Rail, including Jim and Jean Wilson, but we left 30 minutes before they found it! The Great White Heron that has been on Grand Manan since early August also didn't make an appearance. It was still a wonderful day, fun to run into others birding and to see the Nelson's Sparrows so well.



Grand Manan birding - some FNC members / photograph by Denise Weigum

Species tallied on the Grand Manan outing are as follow: American Black Duck, American Crow, American Pipit, American Robin, Bald Eagle, Belted Kingfisher, Black Guillemot, Black-capped Chickadee, Blackpoll Warbler, Blue Jay, Canada Goose, Cedar Waxwing, Common Eider, Common Raven, Common Yellowthroat, Dark-eyed Junco, Double-crested Cormorant, Golden-crowned Kinglet, Gray Catbird, Great Back-backed Gull, Great Blue Heron, Great Cormorant, Hairy Woodpecker, Herring Gull, Lesser Yellowlegs, Nelson's Sparrow, Osprey, Ring-necked Pheasant, Savannah Sparrow, Song Sparrow, Turkey Vulture, White-throated Sparrow.

FNC Outing: Fredericton Botanic Garden

DATE: Saturday, September 28, 2024 TIME: 9:00 a.m.-10:30 a.m.

Leaders: Doug Jackson & Jane Loughborough

Weather: overcast, calm, 13 0 C. – 15 0 C

Tally from: eBird tally taken by Milda Markauskas

Participants: 9 (Bonnie Flynn, Kimberley Hardacker, Doug Jackson, Laurie Janes, Milda Markauskas, Barry Monson, Larissa Simulik, André Vietinghoff, Denise Weigum

species: 22

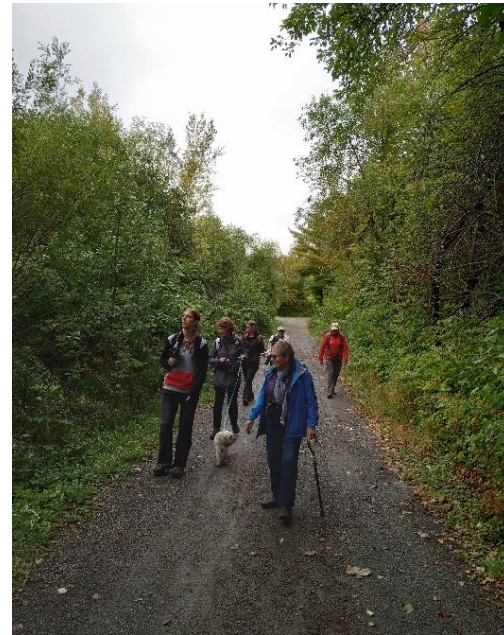
Tally: 5 American Crow, 3 American Goldfinch, 8 American Robin, 7 Black-capped Chickadee, 3 Blue Jay, 1 Blue-headed Vireo, 1 Canada Goose, 6 Cedar Waxwing, 1 Chipping Sparrow, 1 Downy Woodpecker, 1 Golden-crowned Kinglet, 1 Grey Catbird, 1 Hairy Woodpecker, 1 Hermit Thrush, 1 Northern Cardinal, 1 Northern Flicker, 2 Rock Pigeon, 1 Ruby-crowned Kinglet, 1 Ruffed Grouse, 1 Song Sparrow, 1 White-breasted Nuthatch, 7 White-throated Sparrow



Ruffed Grouse (*Bonasa umbellus*) / photo by Denise Weigum



From l-r: Laurie Janes, Doug Jackson, André Vietinghoff, Denise Weigum, Milda Markauskas, Bonnie Flynn, Kimberley Hardacker, Larissa Simulik.



From front to back: Jane Loughborough, Larissa Simulik, Laurie Janes, Kim Hardacker, Milda Markauskas & Denise Weigum.

Meeting Reports

Presenter: **Dr. Derek Hogan**
Title: **Atlantic Salmon of the Bay of Fundy: status and trends**
Date: **Thursday, October 3, 2024**
Attendees: **24 or 25**



Atlantic Salmon (*Salmo salar*)
/ Public domain photo

A lively social hour preceded our AGM with treats provided by Michele Coleman. The AGM took 10 or 15 minutes and was followed by the **presentation** by member Derek who works for Fisheries and Oceans Canada at the Mactaquac Biodiversity Facility.

Derek's opening slide provided the word for Atlantic Salmon in 4 New Brunswick languages: Atlantic Salmon (English), Saumon (French), Polam (Wolastoquey), and Plamu (Mi'kmaw). Further slides showed how Atlantic Salmon were a huge part of the culture of N.B. but graphs and further explanations pointed to the devastating decline of this species for various reasons: overfishing, dams and other obstructions in the river, climate change, low marine survival, aquaculture decline, habitat alteration, pollution, predation. A long decline occurred from 1983-2016.

Derek pointed out that there are various Atlantic Salmon populations but the one on which he is working and on which this presentation focuses is the Outer Bay of Fundy population (oBoF) of salmon that, like three other salmon populations in the Maritimes, is listed as endangered. Atlantic Salmon have a 5-year life cycle. They are anadromous meaning that they are born in freshwater, migrate to sea to feed and grow, and return to freshwater to reproduce or 'spawn'. The stages of the life cycle are as follow: egg, alevin, fry, parr, smolt, and adult.

NASCO looked at 2,359 rivers of which only 14% are sustainable; 43% are at risk. According to First Nations knowledge, at one time 200,000 salmon swam up the Wolastoq/Saint John River to spawn each year. The greatest number counted at the Mactaquac Fishery was: 33,191 salmon. In 2023 only 84 salmon returned to the Mactaquac Fishery.

Derek talked about the Recovery Strategy for the Atlantic Salmon. One aim is to conserve genetic characteristics but to stop inbreeding. Derek made many other points about the varied and sophisticated strategies to revivify Atlantic Salmon populations in the Outer Bay of Fundy, Inner Bay of Fundy, and other regions where this species was once numerous.

Thanks for an enthusiastic and masterful presentation, Derek!

Fredericton Nature Club AGM – 3 October 2024

Fredericton Nature Club Annual General Meeting – 3 October 2024 (Stepping Stone Centre) Minutes of AGM

Dr. Tony Diamond, outgoing President, called the meeting to order at 7:10 p.m. Tony referred to the previously circulated reports^y by the Executive:

- President’s Report 2023-24
- Treasurer’s report in the form of a balance statement entitled Cash Flow from 2023-24. There was also a statement entitled Cash Flow from 2023-24 Amended that accounted for 2024/25 memberships paid prior to the AGM.
- Secretary’s Report for October 3, 2024

These were not read out at the meeting and there was no further discussion about them. Milda Markauskas moved that the reports be accepted; seconded by Dorothy Diamond. All were in favour.

Tony announced the Election of the new Executive with a call for nominations “from the floor” and indicated that the following candidates were already in contention: Milda Markauskas for President; André Vietinghoff for Secretary, and Maxwell Francioni for Treasurer. Whereas there were no nominations from the floor, the three candidates were acclaimed. Tony welcomed the new Executive. Maxwell was absent due to illness, and he was elected as Treasurer.

Other Business: André Vietinghoff, Secretary thanked outgoing President, Dr. Tony Diamond and outgoing Treasurer, Doug Jackson and presented them each with a thank you card and a gift card on behalf of the Fredericton Nature Club.

The AGM ended at 7:20 p.m.

Thanks to Dorothy Diamond who was the nominating committee!

y. Executive member reports are given in the Appendices to this newsletter.



Winter Wren (*Troglodytes hiemalis*)
/ photo by Peter Duguid



Ruby-crowned Kinglet
(*Corthylio calendula*) / photo
by Denise Weigum



Swainson's Thrush
(*Catharus ustulatus*) /
photo by Maxwell
Francioni

MISCELLANY

News Wires. “COP16 ends with no agreement on funding roadmap for species protection.” *France 24*, 2 November 2011, <https://www.france24.com/en/environment/20241102-cop16-ends-no-agreement-funding-roadmap-increase-protect-species>

“Conservation of fungi.” *Wikipedia the free encyclopedia*, 13 March 2024, https://en.wikipedia.org/wiki/Conservation_of_fungi

“Conservation” *Fungi Foundation* <https://www.ffungi.org/en/conservation>. Accessed 4 November 2024

IUCN SSC FUNCC “Fungal Conservation Committee” *International Union for Conservation of Nature* <https://www.iucn-fungi.org/>. Accessed 4 November 2024

“The State of Canada’s Birds” *Birds Canada* <https://naturecounts.ca/nc/socb-epoc/report/2024/en/>. Accessed 4 November 2024

This report is a partnership between Birds Canada and Environment and Climate Change Canada. It explores the status of Canada’s bird populations today, how they have changed over time, and what we can all do to help the birds that call Canada home.

Farley, Sam “Fredericton adopts plan for keeping its urban forest healthy.” *CBC News* Oct. 29, 2024, *TreeFrogNews*, <https://treefrogcreative.ca/fredericton-adopts-plan-for-keeping-its-urban-forest-healthy/>

The Fredericton Nature Club seeks members to suggest, plan, and/or lead outings or to form a committee to plan outings and to find volunteers to lead these outings.

The **Fredericton Christmas Bird Count** will take place on Sunday 15 December with the compilation/potluck dinner at the Stepping Stone Senior Centre at 5:30 in the evening.



Common Snapping Turtle (*Chelydra serpentina*) / photo by Peter Duguid

Feeling a bit snappish.
Probably sleeping. Do
not disturb! See you
next spring!

Book Recommendations

Robbins, Jim. The Wonder of Birds: What They Tell Us About Ourselves, the World, and a Better Future. Trade pbk. ed. New York: Spiegel & Grau, 2018. 331 p.: some ill. Includes bibliography and index. ISBN: 9780812983760

Available from NBPLS in hard copy under call no. **598 ROB** (available at Fredericton Public Library)

In The Wonder of Birds, Jim Robbins covers a wide range of ornithological topics. The book is divided into the following four parts: What Birds Tell Us About the Natural World; The Gifts of Birds; Discovering Ourselves Through Birds; Birds and the Hope for a Better Future.

At the same time, for some this work is a beginning; the author introduces topics that readers may wish to explore elsewhere. For example, the introductory chapter, “Birds: the Dinosaurs that Made It” is a brief look at one theory of bird evolution.

Some chapters are sobering. Chapter 6 “From Egg to Table, part one: the Chicken” looks at the plight of the modern chicken, the descendant of the red jungle fowl that still thrives in Southeast Asia. Chickens and eggs are an essential food source for millions of people and are consumed in huge quantities worldwide, but unfortunately, “over the last few decades, the wild jungle fowl has been genetically engineered through breeding to be little more than a meat-and-eggs producing machine that can, by cutting numerous ethical corners, be mass-produced cheaply.” (page 83) Robbins goes on to describe the U.S. broiler industry known as Big Chicken. “Producing these cheap birds is done at the expense of humane treatment of the creature, the economic subjugation of the families who grow them, and the low-wage workers with high rates of injuries who process them.” (page 84) Chicken manure is a major environmental hazard especially in places like Chesapeake Bay. The use of antibiotics in feeding chickens is also “breeding superbugs.”

In chapter 7 “From Egg to Table, part two: Wild Birds”, the author, who is himself a wild bird hunter, especially of Ring-necked Pheasant, has a more benign take on the harvesting of wild birds on which many indigenous peoples depend for food, ornaments, etc. The chapter begins with emus that have always been hunted by the Australian Aboriginal people but that have since attracted commercial use in the United States for their eggs, meat, and oil. The author goes on to discuss the harvesting of various species of wild birds in various parts of the world, e.g., that of young gannets on an Atlantic rock called Sula Sgeir. He also points to the lucrative market for bird’s nest soup derived from the nests of Swiftlets. “A kilo of white nest sells to suppliers for \$2,500, while red nests fetch \$10,000.” (p. 101). Many indigenous tribes, e.g., the Yanomami in Brazil, have complicated relations with birds. They hunt and eat some wild birds but keep some as pets; they rely on others to act as sentinels to alert the Yanomami hunter to the presence of game.

Most of this eclectic mix of chapters is not about the exploitation of birds. There are marvelous chapters entitled “Hummingbirds: the Magic of Flight,” “Canaries and Black-backed Woodpeckers: Birds as Flying Sentinels,” and “A Murmuring of Birds: The Extraordinary Design of the Flock.” There are chapters that discuss bird cognition, bird language, and the amazing physiology of birds. In a chapter entitled “Nature’s Hired Men: Putting Birds to Work” the author describes how a vintner in California attracted Bluebirds to his vineyard to get rid of Blue-green Sharpshooters – and it worked. “

The Wonder of Birds by Jim Robbins is highly recommended.

Reviewed by newsletter editor.

***** ***** ***** ***** *****

Kimmerer, Robin Wall. Gathering moss [electronic resource]: a natural and cultural history of mosses. [Old Saybrook, CT]: Tantor Audio, 2018.

1 audiobook (7 h, 51 m): digital; ISBN: 9781977326157

Available on loan from NBPLS via the Electronic Library New Brunswick (Libby for portable devices) in unabridged format as a downloadable audio file (MP3) Read by the author.

Abstract: Living at the limits of our ordinary perception, mosses are a common but largely unnoticed element of the natural world. Gathering moss is a mix of science and personal reflection that invites readers to explore and learn from the elegantly simple lives of mosses. In this series of linked personal essays, Robin Kimmerer leads general readers and scientists alike to an understanding of how mosses live and how their lives are intertwined with the lives of countless other beings. Kimmerer explains the biology of mosses clearly and artfully, while at the same time reflecting on what these fascinating organisms have to teach us. Drawing on her experiences as a scientist, a mother, and a Native American, Kimmerer explains the stories of mosses in scientific terms as well as in the framework of indigenous ways of knowing. In her book, the natural history and cultural relationships of mosses become a powerful metaphor for ways of living in the world.

NOTES: Preface: Seeing the world through moss-colored glasses -- The Standing stones -- Learning to see -- The Advantages of being small: Life in the boundary layer -- Back to the pond -- Sexual asymmetry and the Satellite sisters -- An affinity for water -- Binding up the wounds: Mosses in ecological succession -- In the forest of the waterbear -- Kickapoo -- Choices -- A Landscape of chance -- City mosses -- The Web of reciprocity: Indigenous uses of moss -- The Red sneaker -- Portrait of Splachnum -- The Owner -- The Forest gives thanks to the mosses -- The Bystander -- Straw into gold -- Suggestions for further reading. Includes bibliographical references.

Abstract and Notes from **New Brunswick Public Library System Online Catalogue**

Other Formats:

Also available on loan via the Electronic Library New Brunswick (Libby for portable devices) as downloadable e-book (EPUB) [Oregon]: Oregon State University Press, 2018.
1 e-book: digital; ISBN 9780870716416

Also available from some New Brunswick public libraries in print format under the call number **588.2 KIM** and can be reserved via a hold.

Kimmerer, Robin Wall. Gathering moss: a natural and cultural history of mosses
Corvallis: Oregon State University Press, [2003] 168 pages: some illustrations.

Highly recommended.



Tamarack (*Larix laricina*) in Autumn. Aka. Hackmatack, Eastern Larch, etc. / Public Domain Picture



FREDERICTON NATURE CLUB member information

**Annual membership, Fredericton Nature Club:
\$25.00 per adult; \$10.00 per student; Free for children
Two for a toonooie: 1 meeting and 1 outing**

Membership payment via e-transfer to:
frederictonnatureclub@gmail.com

Our Treasurer prefers e-transfer but will also accept cash or cheques.

Fredericton Nature Club website:
<http://www.frederictonnatureclub.com/>

Email webmaster, David Lilly
dillynb@gmail.com

Nature NB website
<https://www.naturenb.ca/>

Publication Information for newsletter

The Fredericton Nature Club newsletter is published four times a year, i.e., seasonally. Contributions are welcome! Please contact the editor at:
andre.vietinghoff@yahoo.com

Photographs/images in this issue are largely contributed by members. Those not identified are public domain images derived from Google Images. Some clip art derived from Free Clip Art Library <https://clipart-library.com/>
Main photo contributors for this issue are Peter Duguid, Maxwell Francioni, and Denise Weigum. Many thanks!

For future issues, the editor welcomes your nature-related book reviews, your nature photography, and your nature articles - preferably about New Brunswick.

APPENDICES

Appendix 1. President's Report

SUBMITTED BY DR. TONY DIAMOND, PAST PRESIDENT

President's Report 2023-24 A new Constitution was drafted for the Fredericton Nature Club by the Executive Committee with help from several members and passed by the membership attending the May 2024 meeting. The positions of President, Vice-President, Secretary, and Treasurer are now one-year terms, renewable for up to three consecutive terms; the Webmaster is a voluntary position not subject to election. The number of members increased by 20% to 62, continuing that year's steady increase. Dues increased, so generating a budget surplus. Fundraising (fridge magnet calendars) netted \$73.75. Maxwell Francioni was able to persuade his employer Remsoft to donate \$3,200! This enormous gift is greatly appreciated and will continue to be treasured for many years, as it was used to acquire a bounteous assortment of visual equipment for use on outings: a spotting scope with tripod, 8 pairs of binoculars and 8 field guides. Nature NB agreed to house the equipment, which carries the club logo, at their office, from which it can be signed out by trip leaders - who should be aware though that the Nature NB office is closed on Fridays! The Club has conducted no less than 18 outings this year, including some with CPAWS-NB, Nature Trust of NB, Nature NB, and the Fredericton Trails Coalition. The Christmas Bird Count was followed by a potluck. For the second straight year 8 indoor meetings were held over the winter, though at least one had to be postponed for a week by bad weather, which seemed also to happen on Thursdays last winter! The experiment of moving the social time to before meetings rather than after was extremely successful, and our warmest thanks go to Judith Dewar for the success of this approach which we hope to continue. Our thanks too to Andre Vietinghoff for producing no less than four substantial Quarterly newsletters; if he is to continue doing this he invites contributions from members and other help with the production. Our thanks too to Doug Jackson for his many contributions, going far beyond his official duties as Treasurer, which have left our financial accounts in a very healthy position. The Club executive helped to revise the club brochure and bilingual "Birding Trail of the Fredericton Region" brochure with Nature NB. Tony Diamond 25 September 2024

Appendix 2. Treasurer's Report

SUBMITTED BY DOUG JACKSON, OUTGOING SECRETARY

Fredericton Nature Club (Treasurer's Report)

CASH FLOW FROM 2023-24

Opening Balance as of Oct 1, 2023 \$1,423.73

Income:

| | |
|--------------------|------------|
| Adult Memberships | \$1,600.00 |
| Student Membership | \$10.00 |
| Fundraising | \$160.00 |
| Donation | \$3,200.00 |

Total \$4,970.00

Expenses:

| | |
|------------------------------|------------|
| Room Rental – Stepping Stone | \$400.00 |
| Nature NB Insurance | \$145.00 |
| Web Services | \$278.28 |
| Gifts for Speakers | \$120.00 |
| Administration | \$51.99 |
| Fundraising | \$86.25 |
| Optics & Field Guides | \$2,910.75 |
| Social Time | \$117.64 |

Total \$4,109.91

Excess / (Deficit) \$860.09

Closing Balance as of Sept 30, 2024 \$2,283.82

Appendix 3: Secretary's Report

SUBMITTED BY ANDRE VIETINGHOFF

The designation Secretary became a formal officer designation with the ratification of the new FNC Constitution on 2 May 2024. (However, before that time I was already performing the duties of Secretary). The Secretary collaborated with the President, Treasurer, and Webmaster to draft the Constitution. From September 2023 to October 3, 2024, with contributions of both written material and photographs from members, the Secretary produced four seasonal issues of the Fredericton Nature Club newsletter in digital format namely, autumn 2023, winter 2024, spring 2024, and summer 2024. These newsletters included reports of club meetings and outings and were sent in PDF format. The Secretary arranged to have each digital issue of the newsletter archived by the Provincial Archives (our current NB government contact for this is Julia Thompson). The Secretary also informed the membership by email about both club meetings and outings. Typically, this entailed both an initial message and a reminder email. Some events were posted on the FNC Facebook page, though admittedly not in a consistent or expert manner. The Secretary also forwarded events advertised by other NB organizations to the memberships; sometimes this was by request of either our President or the organization in question; at other times, forwarding given information without a request to do so seemed to be a sensible choice. It is hardly possible to keep abreast of all events by nature-related organizations throughout the province and therefore the sending of this information is hit-and-miss. Finally, the Secretary responded to email communications by both members and non-members

