

REPORT ON THE



NEWFOUNDLAND FORAY 2004

September 17-19
Killdevil Lodge
Gros Morne



Andrus Voitk

SPONSORS:

The Department of Environment, & Conservation
Western Newfoundland Model Forest
Gros Morne National Park

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GUESTS:

Ken Harrison *Biologist, Forest Service, Fredericton, NB*
Lorelei Norvell *Editor-in-Chief, Mycotaxon*
Roger Smith *Wildlife photographer, University of New Brunswick, Fredericton, NB*
Greg Thorn *Prof of Mycology, University of Western Ontario, London, ON*
Rod Tulloss *Amanita expert, New Jersey, USA*

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Michael Burzynski *Biologist, Gros Morne National Park*
Faye Murrin *Prof of Mycology, Memorial University of Newfoundland and Labrador, St John's*
Andrus Voitk *Organizer; Humber Natural History Society*
Gary Warren *Mycologist, Canadian Forest Service, Corner Brook*

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Ken Harrison
Judy May
Faye Murrin
Lorelei Norvell
Noah Siegel
Roger Smith
Greg Thorn
Rod Tulloss
Maria Voitk
Gary Warren

SPECIES LIST

Michael Burzynski, Nathalie Djan-Chékar,
Andrus Voitk, Maria Voitk



DATABASE, PHOTOGRAPHY, VOUCHER SPECIMENS

Lois Bateman, Clinton Bennett, Michael Burzynski, Roger Smith, Mark Wilson

REGISTRARS:

Registrar-in-Chief: Leah Soper *Assistants:* Maria Voitk, Judy May

MUSHROOM COOK-OUT CHEFS:

Chef-in-Chief: Barry May *Assistants:* Gerry Rideout, Sue Tizzard, Beatrice Whittle

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FORAY TRAILS



Bakers Brook Falls

1. Western Brook Pond & Snug Harbour
2. Bakers Brook Falls
3. Killdevil grounds
4. Stuckless Pond — to bridge only
5. Stanleyville
6. Lomond River - TOWARD Parking Lot
7. Lomond River - FROM Parking Lot
8. Gros Morne
9. Trout River Pond
10. Lomond Campground, Trout River Pond Campground, Mackenzie's Brook Picknic area, other picknic and camp grounds
11. Stuckless Pond — beyond bridge
12. Green Gardens — lower trail
13. Green Gardens — upper trail
14. Bonne Bay Big Pond area
15. Lomond Highlands

PROGRAM

FRIDAY, Sep 17, 2004

9:00 AM – 3:00 PM

Discovery Centre, Gros Morne National Park,
Woody Point

International Mushroom Photo Exhibit

Carry-over of the highly successful exhibit by last year's faculty (mostly), open to public at Discovery Centre all summer. While there, please also note the "Along the Appalachian Trail" quilt – it depicts the flora and fauna of Western Newfoundland, including some exquisite mushroom squares.

3:00 – 4:00 PM & later, Lomond Room

Registration

4:00 – 6:00 PM, Lomond Room

Welcome reception

Hosted by the people of Newfoundland and Labrador through the Ministry of Tourism, Culture and Recreation, The Hon Tom Osborne, MHA, Minister.

6:00 – 7:00 PM, Dining Hall

Supper

7:00 – 8:00 PM, Conference Room

Faye Murrin: Introduction to mushroom collecting & identification

8:00 – 9:00 PM, Conference Room

Roger Smith: Mushroom photography

9:00 – 10:00 PM, Conference Room

Ken Harrison: Boletes of Nova Scotia

Illustrated with pictures from the book of the same name by his father, the late Ken Harrison, Sr.

SATURDAY, Sep 18, 2004

8:00 – 9:00 AM, Dining Hall

Breakfast

9:00 AM – 1:00 PM, Gros Morne Park

Morning Forays

9:00 AM – 5:00 PM, Gros Morne Park

All Day Forays

1:00 – 2:00 PM, Dining Hall

Lunch

2:00 – 5:00 PM, Gros Morne Park

Afternoon Forays

4:30 – 6:30 PM, Lomond Room Patio

Mushroom cook-up

6:30 – 7:30 PM, Dining Hall

Supper

7:30 – 8:30 PM, Conference Room

Greg Thorn: Mushrooms of Costa Rica

8:30 – 9:30 PM, Conference Room

Lorelei L. Norvell: Life with the Chanterelle family

9:30 – 10:00 PM, Conference Room

Interview with a Fungus

World Première

Stage adaptation of award-winning essay by Diane Pleninger.

SUNDAY, Sep 19, 2004

8:00 – 9:00 AM, Dining Hall

Breakfast

9:00 AM – 12:00 PM, Gros Morne Park

Morning ID Forays

9:00 AM – 12:00 PM, Outside Park

Morning Forays for the Pot

12:00 – 1:00 PM, Dining Hall

Lunch

1:00 – 2:00 PM, Conference Room

Andrus Voitk: Wrap-up & Thank you

REPORT

Sept 17-19, 2004,

Killdevil Lodge in Gros Morne Park hosted Newfoundland's second mushroom Foray, jointly sponsored by The Department of Environment & Conservation, The Hon Tom Osborne, Minister, Gros Morne National Park and the Western Newfoundland Model Forest. 46 mushroom enthusiasts foraged the



Killdevil Camp

As opposed to last year, no moose appeared to eat the prized specimens and no bear tracks were encountered. In the wild animal department, this year's foragers encountered Carlo Thorn exploring mud puddles, of which there were a goodly choice, and a mother caribou nursing her calf in the morning mist.

autumn woods of spectacular Gros Morne Park for species to be identified with the help of experts. This year the Foray was co-sponsored by the Humber Natural History Society, HNHS, and NAMA, the North American Mycological Association, the world's largest mushroom club. As a result local mycophiles from all over the province (GNP, West Coast, Avalon Peninsula, Labrador) were joined in the hunt by guests from the USA. The Faculty was made up by experts from the USA (the furthest expert arriving from Oregon), mainland Canada and our local cadre of mycophiles and mycologists. Compared to last year, there was a 10% increase and 45% return rate for registrants.



SPLASH!!!



Boots?

The intrepid foragers played the game of mushroom interpretation well. They were very diligent about the use of collecting slips - virtually no specimen came in without a slip.

As last year, the Foray opened with a reception by the Department of Environment & Conservation. Presentations of books, maps and other memorabilia were made to the out of province guests from both the people of Newfoundland via the Department as well as Gros Morne Park. All registrants received a handsome registration package from the Department, containing, among other things, an embroidered yellow sou'wester



Nursing caribou

Specimens were sorted with attempt to identify at least to genus. These were submitted to the experts' eagle eyes and authenticated specimens taken to the exhibition hall. Despite all this help, the experts were still kept busy into the night, seeking to

foray cap.

finally pin a name on some elusive and pesky little mushrooms, using microscopes, chemicals, tomes of books and each other for consultation.



Foray group in the woods

Small teams, under expert leadership, went forth into the wilderness Saturday and Sunday, foraging for mushrooms. Nature had co-operated, for the woods were bursting with fungi.

The result was a display of 199 identified species. Although only 9% more than last year, the combination of an earlier



At the sorting table



Roger engaged in flagrant documentation

Foray and a warmer summer allowed us to collect 57% new species compared to last year, bringing our cumulative list to 296 species in just two years.

This year photography was added to the activities under the guidance of Canadian nature photographer Roger Smith. This generated much interest and produced the expected spate of artistic pictures. Roger's task also extended to documentation. Once specimens had been authenticated and entered into the exhibition hall, data entry was made for each specimen, each was photographed and dried for herbarium archiving as list vouchers. With this we entered a more rigorous and



Inadvertent duplication of *Lactarius deliciosus* and *Cantharellus tubaeformis* specimens became fodder to the cook-out crew's well-greased pans

Amanita muscaria split



scientific era: henceforth the NEWFOUNDLAND FORAY will only produce a list for which data is entered, photographic record kept and voucher specimens exist.



Backlit forageress

Barry May, a mere kitchen boy last year, displayed a phenomenal rise through the ranks to become Chef-in-Chief for the traditional mushroom cook-up or mycological

degustation held Saturday evening. In addition to edibles specifically collected for this purpose outside the Park, all edible copies were sacrificed under his knife. The efforts of his cook-up team provided the foragers with an enjoyable forum for fellowship and swapping of mushroom lore.

The evening scientific programs provided bountiful opportunity to learn about mushrooms from the experts as well as insights into the mysterious mushroom world. Lectures ranged from a basic introduction to collecting and identification, to description of specific genera in the Maritimes, an overview of mushrooms in Costa Rica and a review of everyone's favourite edible, the Chanterelle, and its relatives.

Fungal degustation in progress



The highlight of the program turned out to be a dramatization of an essay by Diane Pleninger, a NAMA member from Anchorage, Alaska. Dorothy King in her dramatic characterization of Dorothy King, radio interviewer, surely created a true-to-life character who will remain with the audience for years. No less of a surprise was provided by the stellar Barry May, who, hardly rid of his chef's apron, rose to the challenge of depicting the dung-dwelling *Pilobolus crystallinus* with a simple yet powerful verisimilitude bordering on the unbelievable. For this historic performance we were pleased to host members of the Sierra Club, who were in a retreat-cum-planning-session near-by.

At the end participants were lined up for a group portrait. A light drizzle made the sou'westers a welcome headgear choice. After two days in the woods under gray skies, plenty of mushrooms, good fellowship, sleeping in bunk beds, washing their own dishes and sleeping through evening lectures, the participants were still smiling!

Another Foray had come to an end. 199 species were collected, identified and recorded with photographs and voucher specimens. 113 new species were added to our cumulative list, bringing it to 296 species. Several species new to Newfoundland, Canada and North America were identified, making a good foundation to a reliable provincial data-base.

Now we think 2005!



Pilobilus crystallinus interviewed by Dorothy King



The roving photographer caught a couple wistfully gazing onto the salt water inlet, already pining for next year's foray.

Photographs by Roger Smith, Michael Burzynski, Jamie Graham, Judy May and Andrus Voitk.

Copies of this Report, the 2003 Report and the species lists, 2003, 2004, cumulative, can be downloaded in pdf form from the Humber Natural History Society's web page, <<http://www.swgc.mun.ca/hnhs/>>.



SPECIES LIST

199 SPECIES

Developed by Nathalie Djan-Chekar, Michael Burzynski, Andrus Voitk

Authenticators: Ken Harrison, Faye Murrin, Lorelei Norvell, Greg Thorn, Rod Tulloss, Andrus Voitk, Gary Warren.

NOTE:

1. Taxonomy in Barron: Mushrooms of Ontario and Eastern Canada has been followed, except where marked. Common usage or sense has been followed for species not named in that book.
2. Species marked by single asterisk* have no photo, but voucher specimen is available.
3. Species marked by double asterisk** have no photo or voucher specimen
4. Names in **bold print** denote new species this year.
5. List tentative - further study may cause minor revisions.



MUSHROOMS (mostly gilled AGARICALES)

Agaricus haemorrhoidarius
Agaricus cf subrufescens

*Amanita elongata**
Amanita flavoconia*
Amanita muscaria var. *guessowii*

(= *Amanita muscaria* var. *formosa*)

Amanita porphyria
Amanita virosa (incl. *A. bisporigera*)
***Amanita species NFL 7* (R. Tulloss)**

Arrhenia acerosa* f. *latispora

Asterophora parasitica

Bolbitius vitellinus

Calocybe carnea

Camarophyllus pratensis
(= *Hygrophorus pratensis*)

Catathelasma ventricosa

Clitocybe clavipes
(= *Ampulloclitocybe clavipes*)



Clitopilus prunulus

Collybia tuberosa

Conocybe filaris
Conocybe lactea

Coprinus comatus

Cortinarius acutus
Cortinarius alboviolaceus*
Cortinarius armeniacus
Cortinarius armillatus
Cortinarius bolaris
Cortinarius laniger
Cortinarius limonius
Cortinarius malicorius
Cortinarius mucosus
Cortinarius pyriodorus
Cortinarius rubellus
Cortinarius scutulatus
Cortinarius semisanguineus
Cortinarius traganus
Cortinarius vibratilis
Cortinarius violaceus*

Cystoderma amianthium var. amianthium
Cystoderma amianthium var. rugosoreticulatum

Entoloma cf. caeruleopolitum
Entoloma lividum
Entoloma majaloides
(=Rhodopolium majaloides)
Entoloma sinuatum

Galerina autumnalis

(=G. marginata)

Galerina sphagnorum

Gomphidius maculatus*

Gymnopilus penetrans
Gymnopilus picreus

Gymnopus confluens
(= Collybia confluens)

Hebeloma crustuliniforme
(= H. crustuliniformis)

Hebeloma strophosum

Hemimycena gracilis

Hygrocybe acutoconica
Hygrocybe cantharellus*
Hygrocybe conica
Hygrocybe flavescens
Hygrocybe miniata



Hygrocybe punicea

Hygrophoropsis aurantiaca

Hygrophorus cf. piceae

Hypholoma capnoides
Hypholoma fasciculare*

Inocybe castanea
Inocybe geophylla
Inocybe lacera
Inocybe lilacina
Inocybe fastigiata
(=I. rimosa)

Inocybe subcarpta

Laccaria laccata

Lactarius affinis var. viridilactis

Lactarius camphoratu
Lactarius deceptivus
Lactarius deterrimus*

Lactarius glycosmus*

Lactarius hibbardae
Lactarius cf. leonis

Lactarius lignyotus
Lactarius mucidus

Lactarius piperatus

Lactarius rufus

Lactarius subdulcis

Lactarius torminosus

Lactarius vinaceorufescens

Lepiota cristata

Lyophyllum connatum

Marasmius androsaceus

Marasmius pallidocephalus*

Marasmius thujinus*

Mycena abramsii

Mycena epipterygia

Mycena galericulata

Mycena leptocephala

Mycena murina

Mycena pura

Mycena pura var. alba

Nolanea quadrata

Panellus serotinus

Panellus stipticus

Paxillus involutus

Pholiota astragalina

Phyllotus porrigens

(= Pleurocybella porrigens)





Boletus badius
Boletus edulis

Chalciporus piperatus
(= Boletus piperatus)

Fuscoboletinus glandulosus

Fuscoboletinus grisellus
(= Suillus grisellus)

Fuscoboletinus laricinus

Fuscoboletinus spectabilis

Leccinum holopus
Leccinum scabrum

Suillus cavipes
(= Boletinus cavipes)

Suillus grevillei

Suillus luteus

Tylopilus chromapes*

Tylopilus felleus*

Ininotus obliquus**

Ischnoderma benzoinum

Jahnporus hirtus

(=Polyporus hirtus [new name])

Phaeolus schweinitzii

Phellinus ferruginosus*

Phellinus igniarius

Piptoporus betulinus

Polyporus badius

Polyporus borealis

Polyporus brumalis

Polyporus elegans

Polyporus varius

Pluteus atricapillus
(= P. cervinus)

Pluteus atromarginatus

Psathyrella cf. sarcocephala

Psilocybe pelliculosa

Rhodocollybia maculata

Rozites caperata

Russula cf. aeruginea

Russula compacta*]

Russula decolorans

Russula densifolia

Russula emetica s.l.*

Russula fragilis

Russula heterophylla

Russula cf. laurocerasi

Russula sanguinea

Russula viscida

Stropharia alcis

Tricholoma equestre

Tricholoma pardinum]

Tricholoma pessundatum

Tricholoma sejunctum

Tricholomopsis decora

Tubaria confragosa**

Xeromphalina campanella

BOLETES (poroid AGARICALES)

Austroboletus gracilis



CHANTARELLES AND RELATIVES (APHYLLOPHORALES, family Cantharellaceae)

Cantharellus cibarius

Cantharellus tubaeformis

Gomphus clavatus

Gomphus floccosus

POLYPORES (APHYLLOPHORALES, families Polyporaceae, Ganodermataceae, Boletopsidaceae and poroid Hymenochaetaceae)

Amylostereum chailletii

Antrodia heteromorpha

Cerrena unicolor

Fomes fomentarius

Fomitopsis pinicola

Ganoderma applanatum

Gloeophyllum sepiarium

Hirschioporus abietinus

(=Trichaptum abietinum)

TOOTH FUNGI (APHYLLOPHORALES, family Hydnaceae and similar genera)

Bankera violascens

Hydnellum diabolus

Hydnellum cf. frondosum





Hydnellum geogenium
Hydnellum multiceps
Hydnellum cf. scrobiculatum
 Hydnellum suaveolens

Hydnum repandum
 Hydnum umbilicatum

Phellodon niger var
alboniger
 Phellodon niger var niger

Sarcodon imbricatus
Sarcodon stereosarcinon
Sarcodon cf. subfelleus

CORAL FUNGI AND RELATIVES (APHYLLOPHORALES, family Clavariaceae, including Earth fans)

Clavulina cristata

Clavaria fumosa

PUFFBALLS AND RELATIVES (GASTEROMYCETES)

Bovista pila

Lycoperdon perlatum
 Lycoperdon pyriforme
 Lycoperdon umbrinum

JELLY FUNGI AND RELATIVES (AURICULARIALES, DACRYMYCETALES and TREMELLALES)

Dacrymyces palmatus

Guepinopsis alpina

Tremiscus helvelloides
 (=Guepinia helvelloides)



Pseudohydnum gelatinosum

Tremiscus helvelloides
 (= Guepinia helvelloides,
 Phlogiotis helvelloides)

CUP FUNGI AND RELATIVES (ASCOMYCOTINA, including the DISCOMYCETES and PYRENO-MYCETES)

Bisporella citrina

Chlorociboria aeruginascens

Cudonia circinans

Helvella crispa
 Helvella lacunosa

Hypomyces chrysospermus

Leotia lubrica
Leotia viscosa

Peziza cf. praetervisa

Podostroma alutaceum

SLIME MOULDS (MYXOMYCETES)

Lycogala epidendrium



LOGOS



Last year's logo was an as yet undescribed and unnamed species of *Amanita*, Section *Vaginata*, photographed along the Green Gardens Trail in August, 2000.. Unfortunately a specimen was not preserved for definitive identification, so we'll never be able to report this new species. It illustrates the many undescribed and unique mushrooms available

f o r

discovery in Newfoundland and was chosen partly for this reason, partly for its simple beauty.

This year we thought we'd follow last year's example - chose a beautiful but unnamed and unidentified local mushroom. The depicted mushroom was seen May 28, 2001 along the Appalachian Trail between Humber Village & Corner Brook. This time I took a few small specimens, but since it looked like just another *Mycena* to me, didn't pay it too much heed. I saw it again on the Great Northern Peninsula one month later, but again ignored it. Well, it turns out it's not a *Mycena*. I don't know what it is and so far have not been able to find out. The small dried samples are virtually gone from sending them around the world for identification, without being closer to an answer. And I have not seen this brown beauty again!

So — keep on the lookout for these and other interesting species, for you never know what may turn out to be a new and exciting find. All such finds will receive an award and an award will be given to the "Find of the Day".

The Newfoundland pine martin (*Martes ameri-*

cana ssp atrata), now an endangered species, is the logo of the Humber Natural History Society. It is an obvious symbol of the fragility of our natural environment and our need to know something about it in order to preserve it. This concept underscores the importance of our Foray. While we have a list of endangered animals and plants, which we update through constant monitoring, we don't even know which mushrooms exist here, let alone their frequency, rarity, distribution, prevalence, function, relation-



ships or needs. Thus we can have no list of endangered mushroom species and may, in fact, be losing species without being aware of it.



What the Experts said about 2004:

A very positive event. I have attended a number of forays over the years and this was among the best organized.

Ken Harrison

The week at the thoroughly delightful Newfoundland Foray 2004 was time well spent.

Lorelei Norvell

This really was one of the best forays I've ever been on.

Greg Thorn

VERY impressive! Excellent list, collecting ... in both QUANTITY and QUALITY. The standard of the photography was IMPRESSIVE. It seems a GREAT time was had by all and once again my congratulations.

George Barron

Advance Notice!!!



NEWFOUNDLAND FORAY 2005

Killdevil Lodge
Gros Morne National Park

A UNESCO World Heritage Site

Sept 2-5, 2005

Labour Day Week-End

Mark your calendars!

2005 EXPERTS (tentative):

Andreas Bresinsky
Dave Malloch
Tom Volk

Others tba