

REPORT ON THE



NEWFOUNDLAND FORAY 2003

October 3-5
Killdevil Lodge
Gros Morne



SPONSORS:

The Ministry of Tourism, Culture & Recreation
Western Newfoundland Model Forest
Gros Morne National Park
The City of Corner Brook

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Bellis Kullman
Anu Kollom
Vello Liiv

New Jersey, USA:

Dr Rodham Tulloss,
Amanita expert

Mycological Society of Toronto:

Dr Vello Soots
12-yr president

Dept Biology, Memorial University of Newfoundland and Labrador, St John's:

Prof Faye Murrin
Head of Mycology

Canadian Forestry Service, Corner Brook:

Dr Gary Warren, *mycologist*

College of the North Atlantic, Corner Brook:

Stan Pieda, *Instructor*

Gros Morne National Park:

Michael Burzynski, *Biologist,*

Humber Natural History Society:

Andrus Voitk, *Foray organizer*

FORAY LEADERS:

Pat Burchell
Michael Burzynski
Judy May
Faye Murrin
Stan Pieda
Vello Soots
Rod Tulloss
Andrus Voitk
Maria Voitk
Gary Warren

MUSHROOM COOK-OUT CHEFS:

Randy Tsang, *Chef-in-Chief* *Assistants:* Michael Burzynski
Barry May
Sue Tizzard

SPECIES LIST DEVELOPERS:

Pat Burchell
Claudia Hanel
Nathalie Djan-Chékar

REGISTRARS:

Maria Voitk
Judy May

REPORT



Stan Piedo and Andrus Voitk, all from Corner Brook. There was such an unprecedented number of Estonians on Newfoundland's West Coast that the Estonian flag was flown at the Killdevil during the Foray, something that touched the visitors greatly.

The Foray opened with a reception by the Department of Tourism, Culture and Recreation, where presentations were made to the out of province guests from both the people of

Oct 3-5, 2003, Killdevil Lodge in Gros Morne



Park was the site for Newfoundland's first mushroom Foray, jointly sponsored by The Department of Tourism, Culture and Recreation, Gros Morne National Park, The City of Corner Brook and the Western Newfoundland Model Forest. The logo of the Foray was a new, as yet unnamed Amanita species from Newfoundland. The Faculty was made up of 4 mycologists



from the Estonian University of Agriculture (Profs Kuulo Kalamees, Bellis Kullman, Vello Liiv and Anu Kollom), the 12 year President (Dr Vello Soots) and Treasurer (Pat Burchell) of the Mycological Society of Toronto, an Amanita specialist from New Jersey (Dr Rod Tulloss), Prof Faye Murrin from MUN, Michael Burzynski from Gros Morne and Dr Gary Warren,



Newfoundland via the Ministry as well as Gros Morne Park. All registrants received a handsome registration package from the Ministry, with a Foray cap from the people of Corner Brook via the Mayor's office. A major specimen displayed at the reception caused con-

sternation until it was noted to be an old rusted Styrofoam can which had burst in the woods where it had apparently been discarded! First thing Saturday morning a young moose came onto the field, kneeled and began to eat some of the mushrooms on the lawn (*Tricholoma pessundatum*)!





Small forager teams went out Saturday and Sunday into the wilderness, often following bear tracks.



Danger meant nothing to these intrepid mushroomers - bears be damned! - for the woods were filled with mushrooms to be

identified. First, they had to be identified on the forest carpet (in this picture, *Hygrophorus*



pudorinus), then sorted and identified on the trail, then sorted further on the sorting tables or, as shown here, outside the display hall, where at least the genus should be determined, then



finally the expert mycologists examined each specimen and



either authenticated or made a definitive identification, often with the help of consultation, microscopy and tomes of books. The result was a large display of over 170 identified species of mushrooms brought in by some 40 foragers. By the way, our group



made more and better use of the Collecting Slips, thus recording better information, than any of the experts had ever seen before at any other foray.

Edible mushrooms ended up with Chef-in-Chief Randy

Tsang and his helpers, who served up a mixture of forest delights before supper.



Evening hours were devoted to lectures, a total of six talks and one film, given by the faculty, offering foragers an insight into the fascinating and mysterious world of mushrooms. The most memorable of these was the lecture by Faye Murrin, when all the various paraphernalia of modern technology gave up the



ghost, one after the other. Prof Murrin did not bat an eye but, like the Eveready bunny, just kept lecturing on courageously, as if this were the most natural thing in the world! Faculty who had some time off from identifying and lecturing were often seen photographing their willing subjects. Indeed, an international exhibition of spectacular mushroom photography was put on at the Discovery Centre as both lead-up to and part of this Foray.





At the close, the happy foragers posed for a group portrait,

before going home to recharge for next year's Foray (booked Sept 17-19, 2004 at the Killdevil). The specimens were packed in moss to preserve them and transported to Corner Brook, where they were put on display for the



cial species list. Several rare and perhaps unexpected species were encountered, among them *Albatrellus caeruleoporus*, *Catathelasma imperialis* and *Amanita albocreata*. A report on the Foray has been submitted to *Inoculum*, the newsletter of the Mycological Society of America and reports of the list and special finds will be submitted to the mycological literature.



public, free of charge, all identified. The exhibit was visited by over 100 people, including the Mayor of Corner Brook, Mrs Priscilla Boutcher, who was presented with a Foray cap in gratitude for the City's support of the Foray.

The final validated Species List is on the Humber Natural History Society web page at <<http://www.swgc.mun.ca/hnhs/>>. Only species identified or validated by professional mycologists are included. Some identifications are tentative and may be changed pending further investigation. This is the beginning of the first provincial species list for mushrooms and forms the basis on which future lists will be built. The initial plan is to return to the same area for a few years and then to move the Foray to other areas, in an attempt eventually to survey the whole province and thus develop a true provin-



Photographs by Michael Burzynski, Jamie Graham, Barry/Judy May & Andrus Voitk

PROGRAM

FRIDAY, Oct 3, 2003

Welcome reception

4:00 – 6:30 PM, Lomond Room

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

Mushrooms – What's in it for me?

5:15 – 6:15 PM, Conference Hall

Andrus Voitk An introduction to mushrooms for the novice, talk given to Holy Heart science high school students attending a Science Field Trip. Foray members welcome!

Fruits of Underground Networking: Mycorrhizal Mushrooms of Terra Nova National Park

6:30 – 7:15 PM, Chapel

Faye Murrin

Supper

7:15 – 8:15 PM, Dining Hall

Fungi and Wood Decay: Implications in Forestry and Industry

8:15 – 9:00 PM, Chapel

Gary Warren

Those Wild, Wild Mushrooms!

9:00 – 9:15 PM, Chapel

Art Makosinski: Short comedy classic from the National Film Board

SATURDAY, Oct 4, 2003

Breakfast

8:00 – 9:00 AM, Dining Hall

Morning Forays

9:00 AM – 1:00 PM, Gros Morne Park

All Day Forays

9:00 AM – 5:00 PM, Gros Morne Park

Lunch

1:00 – 2:00 PM, Dining Hall

Afternoon Forays

2:00 – 5:00 PM, Gros Morne

Mushroom cook-up

5:00 – 6:30 PM, Lomond Room Patio

Supper

6:30 – 7:30 PM, Dining Hall

Mushrooms of Estonia

7:30 – 8:30 PM, Chapel

Overview of Estonian mushrooms, with comparison to Newfoundland: *Text: Kuulo Kalamees, Slides Vello Liiv,*

Co-Authors: Anu Kollom, Bellis Kullman

Recent thoughts on the history and distribution of the genus Amanita

8:30 – 9:30 PM, Chapel

Rod Tulloss

SUNDAY, Oct 5, 2003

Breakfast

8:00 – 9:00 AM, Dining Hall

Morning ID Forays

9:00 AM – 1:00 PM, Gros Morne Park

Morning Pick-for-the-Pot Forays

9:00 AM – 1:00 PM, Outside Park

Lunch

1:00 – 2:00 PM, Dining Hall

Mushrooms from the other west coast – the NAMA Foray in Oregon

2:00 – 2:45 PM, Old Dining Hall

Vello Soots

Wrap-up & Thank You

2:45 – 3:00 PM, Old Dining Hall

Andrus Voitk

Round Table Discussion: Role of this and future Forays in Increasing Public Awareness of the Importance of Mushrooms in our Ecosystem

3:00 – 4:00 PM, Old Dining Hall

Voluntary discussion for interested FORAY participants and naturalists with Ministry of Tourism, Culture and Recreation staff.

MONDAY, Oct 6, 2003*

Meet our Fungi

5:00 PM – 7:00 PM, Room AS220 (Biology Project Room) Sir Wilfred Grenfell College, Corner Brook

Display of species from foray open to the public for viewing. No charge.

TUESDAY, Oct 7, 2003*

Identification of wild mushrooms for amateurs

7:30 PM - Rm AS378, Sir William Grenfell College, Memorial University, Corner Brook
Regular monthly meeting of the Humber Natural History Society. No charge.

Gary Warren

** Note: The events of Monday and Tuesday are not part of NEWFOUNDLAND FORAY 2003, but are listed here for the interest of those people who might wish to attend.*

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FORAY TRAILS

1. Stuckless Pond — beyond bridge
2. Stuckless Pond — to bridge only
3. Killdevil ground
4. Lomond River
5. Trout River Pond — to narrows only
6. Gros Morne
7. Bakers Brook Falls — first half
8. Stanleyville
9. Trout River Campground
10. Berry Head Pond ± Green Point
11. Discovery Centre Lookout ± Mackenzie's Brook Campground
12. Western Brook Pond
13. Green Gardens — upper trail
14. Baker's Brook Falls — falls area
15. Green Gardens — lower trail
16. Bonne Bay Big Pond North
17. Lomond Highlands

TENTATIVE SPECIES LIST (171 SPECIES)

Recorded by Pat Burchell, Claudia Hanel and Nathalie Djan-Chékar.

Authenticators (in alphabetical order): Kuulo Kalamees, Anu Kollom, Bellis Kullman, Vello Liiv, Faye Murrin, Vello Soots, Rod Tulloss and Gary Warren.

NOTE: List tentative only. Some specimens undergoing further analysis and name may change as a result. Some additions not yet in.

MUSHROOMS (mostly gilled AGARICALES)

<i>Amanita bisporigera</i> see <i>Amanita virosa</i>	<i>Cortinarius</i> cf. <i>glaucopus</i>
<i>Amanita elongata</i>	<i>Cortinarius</i> cf. <i>pilatii</i>
<i>Amanita muscaria</i> var. <i>formosa</i> see <i>Amanita muscaria</i> var. <i>guessowii</i> [new name, RT]	<i>Cortinarius pholideus</i>
<i>Amanita muscaria</i> var. <i>guessowii</i> (= <i>Amanita muscaria</i> var. <i>formosa</i>)	<i>Cortinarius pulchellus</i>
<i>Amanita porphyria</i>	<i>Cortinarius semisanguineus</i>
<i>Amanita virosa</i>	<i>Cortinarius traganus</i>
<i>Amanita</i> species 32, section <i>Amanita</i> (R. Tulloss)	<i>Cystoderma amianthinum</i>
<i>Amanita</i> species GRL2, section <i>Vaginata</i> (R. Tulloss)	<i>Cystoderma amianthinum</i> var. <i>rugosoreticulatum</i>
<i>Armillaria mellea</i> complex see <i>Armillaria ostoyae</i>	<i>Entoloma abortivum</i>
<i>Armillaria ostoyae</i>	<i>Entoloma sericeum</i>
<i>Camarophyllus borealis</i> see <i>Hygrocybe virginea</i> [new name, Barron]	<i>Gomphidius subroseus</i>
<i>Camarophyllus niveus</i> see <i>Hygrocybe virginea</i> [new name, Barron]	<i>Gymnopilus spectabilis</i>
<i>Camarophyllus pratensis</i> (= <i>Hygrophorus pratensis</i>)	<i>Gymnopus acervatus</i> (= <i>Collybia acervata</i>)
<i>Catathelasma imperialis</i>	<i>Gymnopus confluens</i> (= <i>Collybia confluens</i>)
<i>Catathelasma ventricosa</i>	<i>Gymnopus dryophilus</i> (= <i>Collybia dryophila</i>)
<i>Clitocybe clavipes</i>	<i>Hebeloma crustuliniformis</i>
<i>Clitocybe gibba</i>	<i>Hygrocybe conica</i>
<i>Clitopilus prunulus</i>	<i>Hygrocybe marginata</i>
<i>Collybia acervata</i> see <i>Gymnopus acervatus</i> [new name, Barron]	<i>Hygrocybe</i> cf. <i>miniata</i>
<i>Collybia cirrhata</i>	<i>Hygrocybe punicea</i>
<i>Collybia confluens</i> see <i>Gymnopus confluens</i> [new name, Barron]	<i>Hygrocybe virginea</i> (= <i>Camarophyllus borealis</i> , <i>Camarophyllus niveus</i>)
<i>Collybia dryophila</i> see <i>Gymnopus dryophilus</i> [new name, Barron]	<i>Hygrophoropsis aurantiaca</i>
<i>Collybia tuberosa</i>	<i>Hygrophorus camarophyllus</i>
<i>Coprinus comatus</i>	<i>Hygrophorus chrysodon</i>
<i>Cortinarius alboviolaceus</i>	<i>Hygrophorus erubescens</i>
<i>Cortinarius anomalous</i>	<i>Hygrophorus</i> cf. <i>olivaceoalbus</i>
<i>Cortinarius armillatus</i>	<i>Hygrophorus pratensis</i> see <i>Camarophyllus pratensis</i>
<i>Cortinarius collinitus</i>	<i>Hygrophorus pudorinus</i>
<i>Cortinarius camphoratus</i>	<i>Hygrophorus purpurascens</i>
<i>Cortinarius</i> cf. <i>cinnamomeus</i>	<i>Hygrophorus speciosus</i>
	<i>Hypholoma capnoides</i>
	<i>Hypholoma fasciculare</i>
	<i>Inocybe geophylla</i>
	<i>Inocybe geophylla</i> var. <i>violacea</i>

Laccaria laccata
Laccaria proxima

Lactarius affinis
Lactarius aquifluus
Lactarius aquizonatus
Lactarius aspideoides
Lactarius camphoratus
Lactarius deceptivus
Lactarius deliciosus
Lactarius deterrimus
Lactarius griseus
Lactarius hibbardae
Lactarius lignyotus
Lactarius mucidus
Lactarius oculatus
Lactarius peckii
Lactarius pubescens
Lactarius thejogalus
Lactarius vinaceorufescens

Lepista glaucocana

Lyophyllum connatum
Lyophyllum cf. decastes

Mycena amabilissima
Mycena cf. diosma
Mycena galericulata
Mycena zephiza

Panellus serotinus
Panellus stipticus

Paxillus involutus

Phaeocollybia gregaria

Phyllotopsis nidulans

Phyllotus porrigens (= Pleurocybella porrigens)

Pleurocybella porrigens see Phyllotus porrigens
[new name, Barron]

Pluteus cervinus

Psathyrella septentrionalis

Rozites caperata

Russula adusta
Russula brevipes
Russula claroflava
Russula paludosa
Russula roseipes
Russula sanguinea

Stropharia semiglobata

Tricholoma caligatum
Tricholoma flavobrunneum
Tricholoma focale
Tricholoma inodermeum
Tricholoma leucophyllum
Tricholoma luridum
Tricholoma pardinum
Tricholoma pessendatum
Tricholoma portentosum
Tricholoma saponaceum
Tricholoma sculpturatum
Tricholoma cf. sejunctum
Tricholoma cf. terreum
Tricholoma vaccinum
Tricholoma cf. virgatum

Tricholomopsis decora

Xeromphalina campanella

BOLETES (poroid AGARICALES)

Boletinus cavipes see Suillus cavipes

Boletus piperatus see Chaliciporus piperatus

Boletus subtomentosus

Chaliciporus piperatus (= Boletus piperatus)

Fuscoboletinus spectabilis

Leccinum atrostitipitatum
Leccinum holopus
Leccinum scabrum
Leccinum cf. snellii

Suillus cavipes (= Boletinus cavipes)

Suillus granulatus

Suillus grevillei

Suillus grisellus

Suillus umbonatus

Tylopilus chromapes

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

Albatrellus caeruleoporus

Bjerkandera adusta

Coltricia perennis

Fomes fomentarius

Gloeophyllum sepiarium

Ischnoderma resinosum

Merulius tremellosus see Phlebia tremellosa

Oligoporus chioneus see Tyromyces chioneus

Phaeolus schweinitzii

Phlebia tremellosa (= Merulius tremellosus)

Piptoporus betulinus

Polyporus albellus see Tyromyces chioneus

Polyporus brumalis

Polyporus varius

Trichaptum abietinum

Tyromyces chioneus (= Oligoporus chioneus, Polyporus albellus)

CHANTARELLES AND RELATIVES (APHYLLOPHORALES, family Cantharellaceae)

Cantharellus cibarius

Cantharellus tubaeformis

Gomphus clavatus

Gomphus floccosus

TOOTH FUNGI (APHYLLOPHORALES, family Hydniaceae and similar genera)

Bankera fuligineo-alba

Hydnellum aurantiacum

Hydnellum conrescens

Hydnellum peckii

Hydnellum suaveolens

Hydnum repandum

Hydnum umbilicatum

Phellodon niger

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

Clavariadelphus borealis

Clavulina cristata

Clavulinopsis fusiformis

PUFFBALLS AND RELATIVES (GASTEROMYCETES)

Lycoperdon pyriforme

JELLY FUNGI AND RELATIVES (AURICULARIALES, DACRYMYCETALES and TREMELLALES)

Guepinia helvelloides see Tremiscus helvelloides

Phlogiotis helvelloides see Tremiscus helvelloides

Pseudohydnum gelatinosum

Tremella mesenterica

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 elastica

Helvella lacunosa

Helvella sulcata

Hypomyces chrysospermus

Leotia lubrica

Neolecta irregularis

Scutellinia scutellata

SLIME MOULDS (MYXOMYCETES)

Lycogala epidendrum

A note on names used: Generally, preference has been given to the name used by George Barron in *Mushrooms of Ontario and Eastern Canada*. In some cases, references have been made from names used in other commonly consulted sources. For species not listed in Barron's book, the name used is generally the name provided by the authenticator for new species. For species already listed on the checklist originally provided by Pat Burchell, the name on the checklist has been retained except as noted.

Pat Burchell, October 9, 2003

Advance

Notice!!!



**NEWFOUNDLAND
FORAY 2004**

**Killdevil Lodge
Gros Morne National Park**

Sept 17-19, 2004

Mark your calendars!

LOGOS



Photo: Cornelis Bas, Estonia



Photo: Andrud Voitk, Newfoundland



Photo: Andrud Voitk, Newfoundland

In 1986 Dr Kuulo Kalamees described *Amanita olivaceogrisea* (left) in Estonia. In 1988 Dr Rod Tulloss described *A sinicoflava* (centre) in the Eastern US and in 2001 he described occurrence of *A olivaceogrisea* in Great Britain. Hearing that Prof Kalamees would be coming to Newfoundland, Dr Tulloss was eager to join our Foray in order to meet his distinguished colleague.

In 2001 the *Amanita* in the picture to the right was found on the lower Green Gardens Trail in mixed, mostly deciduous (old birch) woods. Both Drs Kalamees and Tulloss agree it is a close relative of one of their discoveries, but probably represents an as yet undescribed and unnamed species of *Amanita*, Section *Vaginata*. Unfortunately the specimen was not preserved for definitive identification. However, because it ties together two of our faculty, because it illustrates the many undescribed and unique mushrooms available for discovery in Newfoundland and because of its simple beauty, it was chosen for our logo.

Those of you foraging along the Green Gardens Trail — keep on the lookout for this species. A special prize will be awarded to the finder. In

fact, everyone is encouraged to keep a sharp lookout for different 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 americana 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, relationships or needs. Thus we can have no list of endangered mushroom species and may, in fact, be losing species without being aware of it.

