

Next Meeting June 10, 2002

SPORES Afield

The newsletter of the Colorado Mycological Society

June 2002

WATCH FOR THIS AGARICUS

Dr. Richard Kerrigan, the country's authority on *Agaricus*, a very perverse genus to say the least, has asked our cooperation in collecting specimens of a previously undescribed Colorado species. He had collected it when he was last here in 1995. Contact Marilyn Shaw, 303.377.1278, or e-mail MariHShaw@aol.com for instructions on getting the collection to Rick. Here is Rick's description:

Agaricus bridghamii Kerrigan sp. nov.
R. W. Kerrigan 1899: Colorado, Clear Creek Picnic Area, Mizpah Campground, Clear Creek County., near Empire, CO, 16 July 1995. Elevation 3000 M. *Pileus* broadly convex, 3-7.5 cm broad, margin initially inrolled, disc slightly depressed in age; surface glabrous or obscurely appressed-fibrillose, color whitish or with irregular sordid brownish areas; context white, virtually unchanging when cut, becoming brownish near lamellae and stipe later or in age, to 1.5 cm thick. *Odor* mushroomy *Stipe* approximately equal, slightly broader at base and sometimes at pileus, 5-8 x 1-1.5 (-2.0) cm, surface finely erect-fibrillose above veils, glabrous or innately fibrillose below, basal 5mm covered with substrate. *Veils* sub-median, peronate, sheathing, with a flaring upper margin and a flaring, or appressed, or obscure lower margin, all weak and soon collapsing; context white, or obscurely rufescent in places, becoming brownish near pileus, with a 3-5mm broad pith-filled central cavity. *Micro.*: *Spores* dark brown, broadly ellipsoid, 6.30 x 5.27 um, hilar appendix not prominent, germ pore not evident. *Basidia* clavate or cylindro-clavate, 44-

48 x 14-15 (-17) um, tetrasterigmate, the sterigmata acute, to 4 um long. *Cheilocystidia* mostly obpyriform, or subglobose to clavate, 20-27 x 11-12.5 (-15) um. *Chemical reactions*: unavailable. *Habitat, distribution, occurrence*: Solitary or in small groups, under *Picea*, in fairly level areas in valley bottoms, at high elevations (around 9000 ft.) in the eastern Rocky Mountains of Colorado.

Speaker for the June Meeting

"Random (?) Acts of Beauty.... Some Ephemeral and Lovely Rocky Mountain Mushrooms"
By Vera Evenson

Vera lives near Boulder. She has been a CMS member for over 25 years, a past president of CMS, and currently is curator of the Herbarium of Fungi at Denver Botanic Gardens. She has co-authored scientific publications with Dr. Alexander Smith and with Dr. Orson Miller, and has written the book, "Mushrooms of Colorado and the Southern Rocky Mountains," published in 1997. Vera says, "I love to collect mushrooms for the Herbarium and enjoy identification and microscopy. I am especially interested in alpine fungi, the genus *Hebeloma*, cup fungi, and mushroom photography.

"This program will be a slide show of all sorts of interesting, probably not edible, mushrooms I have found and photographed with my macro lens. I consider most mushrooms as beautiful and varied as wild flowers and certainly more mysterious."

Upcoming Events

- June 10th** Speaker: Vera Evenson,
"Random (?) Acts of Beauty...
Some Ephemeral and Lovely
Rocky Mountain Mushrooms"
- July 8th** Speaker: Marc Donsky,
"Mushroom Cultivation"
- Aug. 4th** Jon Sommer,
Foray Location to be Announced
- Aug. 9th** Foray with Jack States, collecting
for the mushroom fair
- Aug. 10th** Mushroom fair setup
- Aug. 11th** Annual CMS Mushroom Fair at
Denver Botanic Gardens
- Aug. 12th** Speaker: Jack States,
"Mystery and Magic in Mushroom
Identification: Will the REAL
Boletus edulis please stand up"
- Aug. 16-18** Crested Butte Wild Mushroom
Festival Weekend
- Aug. 22-25** 21st Annual Telluride Mushroom
Festival
Call: 303-296-9359
Write: Fungophile
Box 480503
Denver, CO 80248-0503
- Sept. 9th** Speaker: Nancy Smith Weber,
"Morels"
- Oct. 14th** Speaker: Terri Jensen and Karen
Aguiar, "Medicinal Mushrooms"

Tentative Events

Dates and Locations to be Announced

Foray in June will be announced at meeting

- June** Scott Frank,
Beginners Foray
- July** Jason Salzman,
City Mushroom Foray

- Late July** Larry Renshaw,
Early August Possible Campout and
Foray
- 1 Before &
1 After Fair** Ellen Jacobson,
2 Forays
- First Saturday
in August** Tom Ruzicka,
Foray

Fair time

It is that time again, when we would like volunteers for the fair, we all had great fun last year, setting up everything, and would like to have as many volunteers as possible.

Please call Jae Lucus at: 303-697-4417

For more information related to CMS, contact:

President

Tom Ruzicka 303-447-2740 tomruzicka@mindspring.com

Vice-President

Chris Hardwick 303-237-0356 cchardwick@yahoo.com

President-Elect

Larry Renshaw 303-648-0048 lmr@aaahawk.com

Toxicologist

Marilyn Shaw 303-377-1278 marilshaw@aol.com

Membership Chair

Linda Deleon 303-278-9582 ldeleon@attbi.com

Spores Editor

Norm Birchler 303-440-7123 onebwwd@aol.com

CMS Website

www.cmsweb.org

Spores Afield

Spores Afield is published from March through October by the Colorado Mycological Society. CMS dues are \$23 for the first year and \$20 thereafter. Send membership dues to CMS Membership Chair, Box 9621, Denver, CO 80209. All CMS members receive *Spores Afield* as part of their membership.

CMS is an affiliated member of the North American Mycological Association.

CMS website: <http://www.cmsweb.org>

END-OF-SEASON FUNGI FEAST!

CMS is planning the end-of-season mushroom banquet at the *Boulder Cork* on Sunday November 3. Doors open at 5:00 PM and dinner will be served at 5:30 PM. All members and friends of CMS are cordially invited to attend.

The *Boulder Cork* restaurant has provided quality food and excellent service since 1969. The food at the *Boulder Cork* is an impressive display of creativity and variety, masterminded by Chef Jim Smailer. He has been the Chef at the *Boulder Cork* for the last fifteen years. Jim has developed a passion for wild mushrooms, both in the woods and the sauté pan. He believes mushrooms should be prepared simply to let their own flavor be fully appreciated. Seating is limited to 65 people.

To reach the *Boulder Cork* from Denver, Go on I25 North to the Boulder Turnpike [US36]. Take Highway 36 to Boulder. Exit on to Foothills Parkway in Boulder. Go North on Foothills through town. Turn left on Valmont & then right on 30th Street. The restaurant will be on your left.



Boulder Cork
3295 30th Street
Boulder, Colorado

Please Register Me/Us For the End-of-Season Fungi Feast
Sunday, November 3

The cost of the End of Season five course dinner is \$45.00 per person, including tax and gratuity. Please mark your preference of entree in the boxes below. Space is limited. Don't miss out on this special dinner! Payment in full is required to reserve your place. Please make your check payable to the Colorado Mycological Society. Cost of the dinner for non-members is \$55.00 per person, including tax and gratuity. Reservations from non-members will be accepted after Labor Day on a space available basis.

Person 1: Braised Buffalo Roast Rack of Pork Pan Fried Trout
Person 2: Braised Buffalo Roast Rack of Pork Pan Fried Trout

Name[s]: _____
Address: _____
City/St/Zip: _____
Phone: _____

Mail this registration to:
Tom Ruzicka
223 North Cedar Brook Road
Boulder, CO 80304
Phone: (303) 447-2740

END-OF-SEASON FUNGI FEAST!

The 2002 Menu

Appetizers

Tasting of Three Wild Mushrooms

First Course

Wild Mushroom Ravioli in Parmesan Cheese Sauce

Salad

*Tempura Oyster Mushrooms on Greens with
a Honey Dijon Dressing*

Entrees

*Braised Organic Nebraska Buffalo in Porcini Broth
with Roasted Vegetables and Porcini Mashed Potatoes*

or

*Roast Rack of Pork with Maple Mustard Chanterelle
Cream Sauce and Caramelized Sweet Potatoes*

or

*Pan Fried Trout with Lobster Butter on Wild
Mushroom Cakes and Seared Spinach*

Dessert

*Chocolate Decadence with Raspberry Sauce
Coffee or Tea*

*Boulder Cork
3295 30th Street
Boulder, Colorado*



Boulder Cork

established 1969

Alpine Mushrooms of the Rocky Mountains

Dr. Cathy L. Cripps, Montana State University
Presented to the Colorado Mycological Society May 13, 2002



The "alpine" is defined as the vegetation zone above treeline on high mountain tops. It is characterized by cold-temperatures, a short growing season, low oxygen, high UV light, and persistent winds.

Most fungi can not live under these conditions, but a certain group called the "arctic-alpine" fungi manage to survive and thrive at high elevations above treeline, and in the arctic. While we know a lot about these fungi in Greenland, Iceland, the Alps, Alaska, and in Scandinavia, we know little about what occurs in the Rocky Mountains. Here is a sampling of what we are finding in our survey of Alpine Fungi in the Rocky Mountains, sponsored by the National Science Foundation Biotic Surveys and Inventories Program. We hope to put the alpine mushrooms in Colorado and Montana on the mycological map!

Mycorrhizal Mushrooms, primarily with willow

cf = circa forma = around the form. This means we are not quite sure of the identification yet.

Amanita cf nivalis - Colorado
Amanita cf greenlandica - Montana

Russula nana
Russula norvegica
Russula pascua
Russula cf delica

Lactarius repraesentaneus
Lactarius salicis-reticulatae
Lactarius nanus

Cortinarius favrei
Cortinarius absarokensis

Hebeloma spp.

Inocybe dulcamara s.l.
Inocybe cf malenconii
Inocybe leiocephala

Laccaria laccata, *Laccaria bicolor*, *Laccaria pumila*
Entoloma alpicola

Mycorrhizal Mushrooms, primarily with birch

Lactarius glycosmus
Leccinum rotundifolia
Lactarius pubescens

Mushrooms associated with moss (saprophytes)

Galerina sp.
Psilocybe Montana/chionophila
Mycena citrinomarginata
Omphalina rivulicola
Omphalina sp.
Rickenella mellea
Rickenella fibula
Rickenella swartzii/setipes
Marasmius epidryas (on Dryas)
Arrhenia (Leptoglossum) lobatum
Arrhenia auriscalpium
Arrhenia (Pleurotellus) acerosus
Byroglossum sp. (ascomycete)

Mushrooms in Grass (saprophytes)

Lepista sp.
Hygrocybe cf conica
Calocybe onychina
Melanoleuca cf evernius
Morchella elata

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We thank the National Science Foundation for sponsoring this research.

See color photo's of Alpine Mushrooms! <http://plantsciences.montana.edu/alpinemushrooms/>

BOOK SALES UPDATE

Our supply of books is exceeding our available storage space, so we are offering the following books at an additional price cut for members. (Our regular policy is to offer our large selection of mushroom books at list price to nonmembers and give members a 10% discount on those books we are able to purchase at a discount.) The following books are being offered to members at a 10-20% discount. Some quantities are limited, so if you know you want a particular book, please call or e-mail to reserve it.
cookie@theshannons.net or 303-417-9961

Katya's Book of Mushrooms (children's)	list \$17 sale \$13
Alaska's Mushrooms	list \$13 sale \$10
Mushrooms of the World	list \$35 sale \$28
Magical Mushrooms	list \$30 sale \$23
Fungi of Switzerland, vol. 2	list \$118 sale \$100
Fungi of Switzerland, vol. 3	list \$118 sale \$100
Fungi of Switzerland, vol. 4	list \$126 sale \$105
Myxomycetes	list \$35 sale \$30
Texas Mushrooms	list \$18 sale \$15
Guide to Kansas Mushrooms	list \$20 sale \$18
John Shaw's Closeups of Nature	list \$19 sale \$12
In the company of Mushrooms	list \$25 sale \$20
Toads and Toadstools	list \$25 sale \$20
Ainsworth & Busby, Dictionary of Fungi,	list \$76 sale \$65

Editors Notes:

I'm always looking for material for the newsletter. Please send in a poem, article, or recipe by the 20th of each month and I will try to get it in the next issue (room permitting). Announcements that must make the next issue should be in by the 15th of each month.

Crested Butte Wild Mushroom Festival

The Crested Butte Wild Mushroom Festival Weekend will be held this year in Crested Butte, CO. From August 16-18th.

Friday evening will feature a slide presentation on mushroom identification. Saturday and Sunday will each feature workshops on "Cultivating Mushrooms", "Cooking with Mushrooms" and "Medicinal Uses of Mushrooms" as well as forays and mushroom identification.

Larry Evens, who has traveled worldwide and written dozens of articles on mushrooms and is the owner of the Black Dog Cafe and Wild Mushroom Cabaret in Missoula MT. will return to Crested Butte to lead the forays and identification sessions. Dr. Bob Roundtree of Boulder Wellcare, who has extensive clinical experience using mushrooms for preventing cancer and treating immune related disorders, will conduct the workshops on the medicinal uses of mushrooms. Dr. Marc Donsky, who has been studying and cultivating mushrooms for over 20 years, will lead the workshops on mushroom cultivation. And Mac Bailey, co-owner of one of Crested Butte's fine gourmet restaurants and co-chair of the CB Wild Mushroom Weekend, will conduct the cooking with mushrooms workshops.

"By featuring forays, informative workshops and opportunities for fine dining", co-chair Mac Bailey said, "the weekend promises to provide many opportunities for learning and fun for novices and experts alike".

Co-chairperson Roger Kahn said "The Crested Butte area has long been known as a prime area for high altitude mushroom gathering. Many of the old-timer miners, especially the Croations, Slovenians and Italians, had the secret spots for gathering wild mushrooms, and many of the people who came later with the rise of the recreation community also discovered the delights of harvesting, cooking and consuming wild "shrooms".

For further information, please call the Crested Butte Chamber of Commerce (800-545-4505).

On Vacation

By Gail Collins

I went to France and looked around for signs of mushrooms. The first mushrooms I saw were in a store (Casino) in Paris about five blocks south west of the Tour de Eiffel. These mushrooms in a yellow can were called champion du bois. I bought a few to taste but ended up giving them away to our host at Cape Beuat.

Next I saw a little stand shaped like a mushroom, I took a picture of it as you can see to the right. It was in Monte Carlo near a Maritime museum. Later my son pointed out a mushroom on the trail to an old fort on the island of Port Cros. It was very dry and hot and I did not expect to see any mushrooms walking toward the top of a hill. But there it was dry and gilled about 2 inches wide on the cap and 2 inches on the stem.



Cancellation:

Elderhostel session on "Volcanoes, Glaciers and Mushrooms: A 4x4 Colorado Adventure" in Lake City, CO. has been canceled due to the drought conditions in the region. Hopefully next year will be better!