**Mycology Notes 2024(10) December Part 2.**

1. **Events. January BMS talk**

Mushrooms of Japan: common species and their cultural significance, Nathaniel Guy

Join Nathaniel "Nat" Guy, author of Kinoko: A Window into the Mystical World of Japanese Mushrooms, for an exploration of the fascinating intersection of mycology and Japanese culture. Nat’s talk will delve into the process of creating Kinoko, from fieldwork and translation to uncovering the rich cultural significance of mushrooms in Japan. 16th January, 8:00pm, online (slightly later than usual)

Find out more and book a place: <https://www.eventbrite.co.uk/e/mushrooms-of-japan-common-species-and-their-cultural-significance-tickets-1098938086399>

All recorded talks can be viewed from the BMS website - or from the YouTube playlist at

<https://www.youtube.com/playlist?list=PLryjBXhn7wUZR7-fnf3T7IKva_wCFI4HQ>

1. **Mycokey 4.1**

It has been noticed that Mycokey is not compatible with Windows 11 but still works with earlier operating systems. Jens Petersen is not planning to upgrade at present and responds to Tony Carter as follows:

MycoKey does not work at the modern operating systems and we do not update it any more. As for the keys, we will during 2025 release new keys in English for the basidiomycota. They will appear here: <http://www.mycokey.com/Bestemmelseshjul/bestemmelseshjulBasiLinks.html> (some UK keys at the bottom).

1. **Experimental fungi translocation aims to restore nature beneath the soil in Yorkshire woodland**

<https://www.forestryengland.uk/news/experimental-fungi-translocation-aims-restore-nature-beneath-the-soil-yorkshire-woodland>

Jeanette Maddy found this on BBC News

1. **Index to Images of Fungi.**

Peter Smith has given this link to the BMS Facebook page, notedbyTony Carter.

Peter writes:

I made an index to all the illustration in my books and journal so that I could easily find several images of the same fungus at the same time without having to go to every individual index.

I have not included any monographs as this is where one would go to in the first instance. I have kept it to the books & Journals where taxa are scattered thought and not easy to remember where they are.

If it is of any use to others I have posted a copy below. It is in Excel so that you can sort in book order and then delete entries for any books you do not have. (I have already deleted many of the old out-of-date books that were no longer relevant)



You will need the book codes and abbreviations which are listed below.

Disclaimer - There may be some typos and I cannot guarantee the taxonomy is completely up-to-date.

(D) = Description only

(inc. D) = including a description with the illustration

(tn) = Thumb-nail photo only

BOOK CODES

ANA Beug, et al Ascomycetes of North America

AO Andy Overall Fungi – Mushrooms & Toadstools of parks, gardens, heaths and woodlands

B&K Various Authors Fungi of Switzerland (Vol. 1 to 4) Species numbers – not page numbers

FE Various Authors Fungi Europea

FM Various authors Field Mycologist Vol: 1 – 25 (up to the end of 2024)

FTE Laessoe & Petersen Fungi of Temperate Europe

GK Geoff Kibby Mushrooms and Toadstools of Britain & Europe Vol 1 - 4

GKK Geoff Kibby Keys to various genera in Britain

LW Ludwig Illustrations of Fungi Vol 1, 2 & 3 only

MY Various Authors The Mycologist (BMS) (Vol. 1 to 20)

PT Peter Thompson Ascomycetes in Colour (2013)

RP Roger Philips Mushrooms of Great Britain & Europe (new edition)

RP2 Roger Phillips Mushrooms of North America

RY Ryvarden & Melo Poroid Fungi of Europe

S&H Sherry & Hughes Collins Complete Guide to British Mushrooms & Toadstools

SB Stefan Buczacki Collins Fungi Guide (2012)

1. **Project FunDive**

While at present we have just a contact**,** Louis Meilke at Stirling, He assures that Kew and BMS are now involved. We will hear more in due course.

1. **Svampe 90 2024** Journal of Danish Mycological Society, published twice per year in Danish.

Contents:

**From my mushroom hunting fields** by Anders Adams and Thomas Kehlet Smør- and Fedtmosen - nature in the middle of Greater Copenhagen. 1-5

Copenhagen's immediate surroundings hide the bog with the strange name for unexpected hotspots and hidden surprises. An area that has much more to offer than the edible mushrooms the place is known for.

**A truffle survey by raking in the Capital Region of Denmark** Tobias Bøllingtoft, **6-17**

tboellingtoft@gmail.com

The author carried out a truffle survey in the Capital Region of Denmark primarily during ten weeks in late summer and autumn 2023. This paper includes a list of the 89 collections of at least 21 species found on 36 different localities, and a discussion of the collection strategies applied. Two rarely reported species, *Pachyphlodes conglomerata* and *Balsamia polysperma*, are treated in further detail under “Notes on rare fungi" in this issue of Svampe. *lonopezia gerardii* is proposed as a possible indicator of truffle hotspots.

**Fungus Gastronomy** by Flemming Rune 18-19

 [*Lyophyllum fumsum* s.l. is prepared]

**Around the fungi** by Flemming Rune 20-23

1. **Fungal problems for French cheeses**

Strains of the moulds *Penicillium roqueforti* (Roquefort [and Stilton]) and *P. camemberti* (Camenbert)

1. **Not all fungal poison genes are inherited in the normal way**

Amanitoxins are found in some *Amanita ,* the main cause of poisonings, but also in some *Galerina* and *Lepiota.*

1. **First "cultivated" Piedmontese truffles** (Tuber magnatum)

Successfully cultivated in a French plantation outside the truffles' natural range.

**Down the doggy path and back again –** Jacob Heilmann-Clausen 23-30

Over the last five years around 4.700 fungal collections submitted via the Danish Fungal Atlas have been DNA sequenced. Of these more than 1.300 collections submitted by 77 collectors represent web-caps *(Cortinarius* s.l.). Based on matching, mainly with reference sequences in public databases (Genbank, Unite), these have now been interpreted. The sequenced collections represent 331 different taxa of *Cortinarius*, of which 143 are new to Denmark, increasing the known number of Danish *Cortinarius* to 444 species. Many of the new taxa are found within *”Telamonia" -* known as dog-webcaps in Danish.



[The Danish Poison Line consults with mycologists for identification of toxic species encountered. The article discusses the species and the mechanisms of the antidotes.]

**Participate in a European project on fungal biodiversity – FunDive** - Thomas Læssøe, Jens H. Petersen and Jacob Heilmann-Clausen 33-41

The Danish node in a large scale EU-funded project on fungal biodiversity with more than 18 partner countries will initially focus on finding material that could serve as epitypes for fleshy basidiomycetes described by Holmskjold, Schumacher and J.E. Lange. The six work packages are described, one of which will focus on pine associated fleshy fungi. [Contributing for Denmark, the following species are being sought for DNA to resolve current questions.

*Clavulina cristata (Clavulina coralloides f. alba), Coprinopsis cortinata, Cortinarius pseudosalor, Cuphophyllus lacmus, Inocybe griseolilacina, Lacrymaria pyrotricha, Lepiota setulosa, Lepiota subincarnata, Lepiota tomentella, Lepista sordida, Mycenella margaritispora, Omphaliaster asterosporus, Pluteus cinereofuscus, Thaxterogaster microspermus, Tubaria minima, Tulosesus bisporus* ]

**Notes on rare fungi collected in Denmark –** ed. Thomas Læssøe 42-51

Here we report a number of species as new to Denmark and expand the knowledge on further species. *Robergea cubicularis,* from a *Sambucus* twig, *Pachnocybe albida* on hardwood, *Bloxamia bohemica* on pine needles and *Cruciger lignalis* on Acer campestre wood åre all reported as new to the country. The three last ones all from the island Samsø in the driest region of Denmark. *Terana coerulea* and *Geastrum fornicatum,* both listed as RE in the Danish red list, are back with records from the spring 2024. A detailed account of the ascomycete truffles *Balsamia polysperma* and *Pachyphlodes conglomerata* are given and the spring of 2024 offered a number of records of *Caloscypha fulgens - mostly* with planted *Abies.*

[Eight contributors. Eight photos.]

**Gills, tubes and spore prints** Martin Schier Christiansen and Marie Rubæk Holm 52-53

Is it best for a fungus to have lamellae or tubes? Some fungal genera have had difficulty deciding.

**Obituary - Karen Nisbeth (18. maj 1949 - 20. december 2023)** - Flemming Rune 54

**Minutes of the General Assembly 24 February 2024** 55-56

Elections, Activities report, Finance etc.

John L Taylor 31/12/2024