Abstracts of Journals Received in the Library Jan-Mar 2008

Journals Abstracted

Mycotaxon - Vol 101, July-September 2007
Mycotaxon - Vol 102, Oct-Dec 2007
Miscellanea Mycologica - No 88, April 2007
Miscellanea Mycologica - No 90, December 2007
Rivista di Micologia 50 (3), 2007.
Annales Botanici Fennici - Vol 44 No 6 2007
Mycobiology - Vol 35, No 4, December 2007
Karstenia - Vol 47 No 2 2007
Schweizerische Zeitschrift für Pilzkunde vol. 85, no. 6, 15th. December 2007

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Mycotaxon - Vol 101, July-September 2007 Abstractor - Anne Andrews

He S & Guo L (pp. 1-4) [English & Latin] Descriptions of two new species of *Urocystales* from China, *Urocystis dunhuangensis* S H He & L Guo sp. nov. on *Calamagrostis epigejos* and *Doassansiopsis guangdongensis* S H He & L Guo sp. nov.. Illustrated with b/w photos. (4 refs.)

Bernicchia A, Savino E & Gorjon S P [English] The authors compiled a checklist of aphyllophoraceus fungi growing on Pine in Italy. This is available on http://www.mycotaxon.com.resources/weblist.htlm. Three species are new to Italy and a number of others are rare. It is noted that *Pinus* supports more species than other conifers and many more than broadleaved trees. (26 refs.)

Holec J (pp. 9-16) [English] Two species described by Albert Pilat (1903-1974) *Flammula croceolamellata* and *Naucoria intertrunca* have been reviewed and found to be identical with *Gymnopilus penetrans* and *G. bellulus* respectively. The reasons for these conclusions are explained in detail. Each species is only represented by the type collection which in the second case contains two different species. Illustrated with b/w drawings. (18 refs.)

Jaklitsch W M (pp.17-23) [English & Latin] A study of the genus *Hypocrea* showed that *H. eichleriana* does not belong to that genus or to any other recognised genus, so a new genus is proposed for it, *Immersisphaeria* Jaklitsch gen. nov. and it is renamed *Immersisphaeria eichleriana* Jaklitsch comb. nov. and described in detail and its differences from other perithecial fungi are discussed. Illustrated with colour photos of microscopic characters. (18 refs.)

Ahti T, Upreti D K & Nayaka S (pp. 25-27) [English & Latin] A new species of lichen *Cladonia lutescens* Ahti, Upreti & Nayaka sp. nov. is described from the State of Himachal Pradesh, India. It contains usnic and homosekekaic acids and presumably belongs to section *Cocciferae.* Illustrated with b/w photo. (3 refs.)

Liberato J R (pp. 29-34) [English] Two powdery mildews from Brazil were studied. Re-examination of the type of *Phyllactinia chorisiae* showed that it was distinct from *P. guttata* though the two had previously been considered to be synonymous. Re-examination of type material of *Oidiopsis wissadulae* showed that it belongs in the genus *Ovaulariopsis* and a new combination *O. wissadulae* (Viegas) Liberato comb. nov. is proposed. Illustrated with b/w photos. (10 refs.)

Wartchow F, Putzke J & Cavalcanti M A Q (pp. 35-39) [English] Description of *Catatrama costaricensis*, found in Brazil, a first record for South America. It has round spiny spores which are illustrated with SEM pictures. Its systematic position is discussed. (18 refs.)

Li D-W &BVZhao G (pp.41-45) [English & Latin] Description of a new species of hyphomycete *Goidanichiella cylindrospora*, found in Connecticut, USA. The history of the genus is reviewed and comparison is made with the other species in the genus. A key is provided. Illustrated with b/w photos. (8 refs.)

Silva B D B, Calonge F D & Baseia I G (pp. 47-54) [English] Report of study of *Tulostoma* spp. in NE Brazil. Seven species are described, *Tulostoma cretaceum, T. cyclophorum, T. exasperatum, T. excentricum, T. fimbriatum, T. obesum & T. xerophilum.* Five of these are new records for Brazil and six for the neotropics zone. Illustrated with b/w SEM photos of the spores. (35 refs.)
Groposo C, Loguercio-Leite C & Goes-Neto A (pp. 55-63) [English] A study of 35 species of *Phellinus* s.l. showed that some belonged in the genus *Fuscoporia*. Five of these are already recognised as members of the genus *Fuscoporia*. The authors have transferred the others to it making the following new combinations. *F. callimorpha* (Lev.) Groposo, C L Leite & Goes-Neto comb. nov.,
F. flavomarginata (Murrill) Groposo, C L Leite & Goes-Neto comb. nov., *F. rhabarbaroma* (Berk.) Groposo, C L Leite & Goes-Neto comb. nov., . Brief descriptions and comments on each species are given, a table shows from which of two sites they were collected, another compared their characters and a key is provided. (26 refs.)

Jiang Y & Zhang T (pp.65-68) [English & Latin] Two new species of *Cirrenalia* from soil are described and illustrated with b/w drawings - *C. pallescens* Y L Jiang & T Y Zhang sp. nov. and *C. rhodospora* Y L Jiang & T Y Zhang sp. nov. (16 refs.)

Drechsler-Santos E R, Gibertoni T B & Cavalcanti M A de Q (pp. 69-72) [English] 14 species of *Podoscypha* are reported from Brazil. *P. aculeata* which is a new record for the neotropics is described and a key to all 14 species is provided. (13 refs.)

Ma J & Zhang X G (pp.73-76) [English & Latin] Descriptions of two new species of hyphomycete from Yunnan, China - *Sporidesmium fraxini-paxianae* Jian Ma & X G Zhang sp. nov. and *S. fraxini-orni* Jian Ma & X G Zhang sp. nov. Illustrated with b/w drawings. (4 refs.)

Wang X M & Zhang X G (pp. 77-79) [English & Latin] Description of *Corynespora erythropsidis* X M Wang & X G Zhang sp. nov. found in Yunnan, China. It is illustrated with b/w drawings and compared with closely related species. (2 refs.)

Knudsen K & Lendemer J C (pp. 81-87) [English] In notes on some North American lichens and lichenicolous fungi. *Arthonia digitatae* is described and reported as new to North America. *Lecania brattiae* was found to be identical to *L. hassei* and placed in synonymy with it. New combinations are made and reasons for them explained as follows - *Piccolia nannaria* (Tuck) Lendemer &

Beeching comb. nov., *Toninia subdispersa* (Nyl ex Hasse) K Knudsen comb. nov., *Lecania franciscana* (Tuck) K Knudsen & Lendemer comb. nov. (15 refs.)

Abarca G H, Ruiz R F C, Arias R M, Saikawa M & Stadler M (pp. 89-97) [English & Latin] Two new species from submerged plant material in tropical rain forest in Mexico are described, *Acumispora verruculosa* Heredia, R F Castaneda & R M Arias sp. nov. and *Pleurophragmium aquaticum* R F Castaneda, Heredia & R M Arias sp. nov. A key to *Acumisporai* sp. is included, also a table showing characters of *Pleurophragmium* species with conidia having 3 or more septa. A new combination for *Cardana miniumbonata* is proposed, *Pleurophragmium miniumbonatum* (R F Castaneda, Iturr. & Guarro) R F Castaneda. comb. nov. Illustrated with b/w photos and drawings. (13 refs.)

He S & Guo L (pp.99-102) [English & Latin] Descriptions of a new species, *Macalpinomyces flaccidus* S H He & L Guo. sp. nov. on *Pennisetum flaccidum* and *Urocystis poae-palustris* new to China and Asia. Illustrated with b/w photos. (6 refs.)

Leite A G, Calonge F D & Baseia L G (pp. 103-111) [English] Surveys of *Geastrum* sp were carried out in NE Brazil. Three species reported for the first time from this area are described, *G. coronatum, G. fimbriatum* and *G. hieronymi* and three from elsewhere in Brazil recorded for the first time in Brazil, *G, fornicatum, G, elegans* and *G. ovalisporum.* Illustrated with b/w drawings of f/bs and b/w photos of spores. (32 refs.)

Petersen R (pp. 113-136) [English] Descriptions of two similar subtropical New World agarics, *Xerula hispida* and *X. setulosa* (Murrill)R H Petersen & T J Baroni comb. nov. Illustrated with b/w drawings and photos. Name changes and synonymies are discussed. *X. hispida* may be a two spored form of *X. setulosa. X. pilosa* and other *Xerula* taxa which may be two or four spored versions of the same species are discussed. (26 refs.)

Ortega A, Vila J, Mahiques R & Contu M (pp. 137-147) [English & Latin] Clarification of confusion which has existed over four Mediterranean species of *Cortinarius* fruiting in sclerophilous and heliophilous ecosystems. *C. assiduus* var. *assiduus*, and *C. assiduus* var. *plesiocistus* A. Ortega, Vila & Bidaud, var. nova, *C. bulbosovolvatus* and *C. contui* are described and the characteristics which distinguish them are discussed. New type material is designated for *C. contui.* Illustrated with b/w photos of microscopic characters and f/bs. (18 refs.)

Spirin W (pp. 149-157) [English & Latin] Description of *Antrodia minuta* Spirin sp. nov. Other species are discussed for comparison and *A. malicola* and *A. sitchensis* and *Cartilosoma ramentaceum* are described. A new combination *Fibroporia pseudorennyi* (Spirin) Spirin comb. nov. is proposed. Illustrated with b/w drawings. (24 refs.)

Halici G H, Atienza V & Hawksworth D (pp. 157-163) [English & Latin] Descriptions of two new species on lichen from Turkey - *Polycoccum aksoyi* Halici & Atienza, sp. nov. and *P. acarosporicola* Halici & Hawksworth, sp. nov. differences from similar species are discussed. Illustrated with b/w photos and drawings. (5 refs.)

Zhang R, Zhang Z, Zhai X, Zhang M Sun G & Gleason M L (pp. 165-172) [English & Latin] Description of *Dissoconium mali* G Y Sun, Zhu Zhang & Rong Zhang, sp. nov. a new species from China colonising apples. Illustrated with b/w photos and phylogenetic analysis table. (23 refs.)

M arincowitz S & Barr M E (pp. 173-178) [English & Latin] Description of *Rhynchomeliola quercina* Marinc. & M E Barr sp. nov. a new rostrate ascomycete growing on Oregon white oak in Canada. Comparison is made with other species of *Rhynchomeliola* and a table comparing hosts and spores and a Key are included. Illustrated with b/w photos. (10 refs.)

Tufan-Cetin O, Sert H B & Sumbul H (pp.179-189) [English] Descriptions of *Hysteriographum flexuosum, H. subrugosum* and *Hysterium insidensi* found in Turkey on a new host *Juniperus excelsa* and recorded in Turkey for the first time. A table of known hosts of these three species is included. Illustrated with b/w photos. (39 refs.)

Piercey-Normore M D (pp.189-199) [English] Report of a study exploring taxonomic trends with secondary metabolites in the genus *Cladonia* in Manitoba, Canada. Comparison is made with other studies. The conclusion is that taxonomic considerations cannot be separated from effects of environmental changes or gene regulation. (40 refs.)

Ghobad-Nejhad M & Dai Y-C (pp. 201-222) [English] Review of the genus *Phellinus* .s.l., which includes *Phylloporia, Fomitiporia,* and *Fuscoporia,* in Iran. *P. allardii, P. rosmarini* and *P. senex* are reported as new to Iran. New combinations *Fomitiporia rosmarini* (Bernicchia) Ghobad-Nejhad & Y C Dai comb. nov. and *Fuscoporia senex* (Nees & Mont.) Ghobad-Nejhad, comb. nov. are proposed. Keys and tables showing spore and seta dimensions and descriptions of the species are provided, doubtful, excluded and uncertain taxa are listed. Illustrated with b/w photos of f/bs(70 refs.)

Li Y-C (pp223-228) [English] Descriptions of *Chroogomphus pseudotomentosus* new to China, and *Gyroporus longicystidiatus* new to mainland China. Illustrated with b/w drawings. (13 refs.)

Bernicchia A, Venturella G, Saitta A & Gorjon S P (pp.229-232) [English] A list was compiled of 166 species in 84 genera of aphyllophoraceous fungi growing on *Fagus sylvatica* in Italy. *Steccherinum robustus* is new to Italy and some other species are rare. The complete annotated list is available on http://www.mycotaxon.com/resources/weblist.htlm. (20 refs.)

Afshan N S, Khalid A N, Abbasi M & Niaza A R (pp. 233-237) [English] During a survey of rust fungi of Pakistan two species, *Puccinia graminis* var. *stakmanii* and *P. striiformoides* were recorded as new to Pakistan. They are described and illustrated with b/w drawings. (9 refs.)

Coutinho F P, Cavalcanti M A de Q & Yano-Melo A M (pp. 239-245) [English] A study of filamentous fungi from the rhizosphere of melon plantations in Brazil revealed 5 species which are described, *Chaetomium convolutum, C. ochraceum, C. trigonosporum, Thielavia fragilis* and *T. microspora.* Keys are provided for *Chaetomium* and *Thielavia* species in Brazil. (5 refs.)

Guttova A, Tonsberg T, Lackovicova A & Backor M (pp. 247-250) [English] *Lecanora carpathica* Zahlbr. is shown to be an illegitimate younger homonym of *L. carpatica,* which is a synonym of *Immersaria cupreoatra.* Zahlbruckner's material is shown to belong to *L. allophana* (14 refs.)

Gonzalez M C, Anaya A L. Glenn A E, S-Garcia A, M-Rubalcava M L & Hanlin R T (pp.251-260) [English & Latin] Description of new genus and new species *Edenia* M C Gonzales, Anaya, Glenn Saucedo & Hanlin. gen. nov. and *E. gomezpompae* M C Gonzales, Anaya, Glenn Saucedo & Hanlin. anam. sp. nov. an endophytic fungus on leaves of *Callicarpa acuminat* in tropical forest in Mexico. Because the fungus does not form reproductive structures it is differentiated using DNA sequence analysis. Illustrated with b/w and colour photos .(25 refs.)

Wei Y-L (pp. 261-264) [English & Latin] Par 15 of "Changbai wood-rotting fungi" is a description of *Henningsomyces leptus* Y L Wei & Y C Dai. sp. nov. which is similar to *H. candidus.* Other similar and closely related species are discussed. Illustrated with b/w drawings. (4 refs.)

Santo E R D, Neto J R T De V, Gibertoni T B, Neto A G & Cavalcanti M A de Q (pp. 265-269) Descriptions of *Navisporus terrestris* , collected for only the second time and of *N. floccosus* new to Brazil.Other members of the genus and their distribution are discussed and a key is provided. (17 refs.)

Liang Z, Han Y, Liang J & Zou X (pp. 271-278) [English & Latin] Description of *Paecilomyces purpureus* ZZ Q Liang & Y F Han sp. nov. isolated from larvae of *Lepidopterai* in China. Its relationships to other allied species are discussed and a phylogenetic tree is included. Illustrated with b/w drawings. (12 refs.)

Yagiz D & Afyon A (pp. 279-282) [English] Myxomycete collections from 1957-2006 from a wide range of locations and habitat types in Turkey were studied. A complete report is available at http://www.egitim.selcuk.edu.tr/fen/yagiz/pdf/mycotaxon07-061.pdf (15 refs.)

Sun X & Zhang T Y (pp. 283-287) [English & Latin] Part 10 of "Taxonomic studies of *Alternaria* describes 2 new species, *Alternaria lactucicola* X Sun & T Y Zhang sp. nov. on *Lactuca sativa* and *L. rhaponticicola* X Sun & T Y Zhang sp. nov. on *Rhaponticum uniflorum. A. cirsinoxia* is reported as a new record for China. Illustrated with b/w drawings and photos. (1 ref.)

Kasuya T, Asai I & Smaoui A (pp. 289-295) [English] Descriptions of *Tulostoma amnicola* and *T. berteroanum,* new records for Tunisia. Illustrated with b/w photos. (28 refs.)

Andrianova T V & Minter D W (pp. 297-313) *Bartalinia goniolimonis* Andrian & Minter sp. nov. on *Goniolimonium speciosum* and *Septoriella viciae* Andrian & Minter sp. nov. on *Vicia unijuga* are described, illustrated with b/w drawings and photos, discussed and compared with similar species olf anamorphic fungi. New keys to the genera of *Bartalinia* and *Septoriella* are provided. (18 refs.)

Luo J & Zhuang W Y (pp.315-323) [English & Latin] Description of *Bionectria wenpingii* Luo J &n W Y Zhuang sp. nov. from China and report of *B. grammicospora* and *B. pityrodes* as new to China. distinctions between the new species and closely related taxa are discussed. Illustrated with b/w drawings and photos. (13 refs.)

Huseyin E, Erdogdu M & Bulbul A S (pp. 325-330) [English & Latin] Description of *Cylindrosporium crataeginum* Erdogdu & Huseyin sp. nov found on leaves of *Crataegus* spp. in Turkey. Illustrated with b/w photos. A table compares it with other *Cylindrosporium* species. (6 refs.)

Semwal K C, Tulloss R E, BhattR P, Steohenson S L & Upadhyay R C (pp. 331-348) [English] Detailed descriptions of 4 species of *Amanita* section *Amanita* newly recorded from India, *A. concentrica, A. rubrovolvata, A. subglobosa* and one in the *A. gemmata* group, not yet named, designated *A. PAK5* Illustrated with b/w drawings and photos. (28 refs.)

Shivas R G , McTaggart A R & Vanky K (pp.349-360) [English & Latin] Six new smut fungi from central and western Australia are described and illustrated, *Sporisorium rarum* R G Shivas, McTaggart & Vanky. sp. nov. on *Eulalia aurea, S. vermiculum* R G Shivas, McTaggart & Vanky. sp. nov. on *Sarga plumosa, S. xerofasciculatum* R G Shivas, McTaggart & Vanky. sp. nov. on *Xerochloa laniflora, Tilletia xerochloa* R G Shivas, McTaggart & Vanky. sp. nov. on *Xerochloa laniflora, T.*

yakerrae R G Shivas, McTaggart & Vanky. sp. nov. on *Yakirra majuscula, Ustilago lunata* R G Shivas, McTaggart & Vanky. sp. nov. on *Triodia longiceps.* Keys to the smut fungi on *Sarga* and *Xerochloa* are included. (11 refs.)

Pennycook S R (pp. 361-364) [English] A new combination *Discula betulae* (Westend.) Pennycook. comb. nov. is proposed for the anamorph of *Gnomonia intermedia.* Its nomenclatural history and reasons for rejecting other names are included. (12 refs.)

Vizzini A (pp. 365-374) [English] Description of *Tremella versicolor* a rarely collected and infrequently illustrated species new to southern Europe (Italy). Its taxonomy, ecology and host range are discussed. Illustrated with b/w photos. (49 refs.)

Niazi A R, Khalid A N & Iqbal S H (pp. 375-383) Description of fruitbody and ectomycorrhizal system of *Descolea flavoannulata* growing with *Abies pindrow* in moist temperate Himalayan forest in Pakistan. Illustrated with b/w drawings. (26 refs.)

Tura D, Zmitrovitch I V, Wasser S P & Nevo E (pp. 385-393) [English & Latin] Description of *Peniophora quercina* and a new form, *P. quercina* f. *meruloides* Tura, Zmitr. & Wasser f. nov. found on *Quercus calliprinos. P. quercina* and *P. cinerea* are recorded for the first time in Israel. A key to *Peniophora* species in Israel is included. Illustrated with b/w photos and drawings. (15 refs.)

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Perez-Ortega S (pp. 1-3) [English] The lichenicolous lichen *Arthrorhaphis vacillans* is reported for the first time from the Iberian Peninsula. Its ecology and distribution are discussed and it is compared with related species. A key is included. (15 refs.)

Swiderska-Burek U (pp. 5-8) [English] Account of a preliminary checklist of cercosporoid fungi from Poland. The list is available on the Mycotaxon website at http://www.mycotaxon.com/resources/weblists.htlm. (28 refs.)

Denchev C & Kakishima M (pp. 9-16) [English & Latin] Detailed description of a new smut fungus *Mundkurella japonica* Denchev & Kakishima, sp. nov. It is compared with *M. kalopanacis* and a key to *Mundkurella* species is provided. Illustrated with b/w photos and drawings. (5 refs.)

Marques F O M, Barbosa F R, Gusmao L F P, Ruiz R F C & Maia L (pp. 17-23) [English & Latin] Description of conidial fungus *Cubasina microspora* M F O Marques Gusmao & R F Castaneda sp. nov. Notes following re-examination of *C. albofusca* are included and 14 species of conidial fungi new to South america are listed. Illustrated with b/w photos. (5 refs.)

Da Cruz A C R, Gusmao L F P & Ruiz A C R (pp25-32) [English & Latin] Description of a new species of microfungus on dead plant material from Caatinga, Brazil, *Subramaniomyces pulcher* A C R Cruz, Gusmao & R F Castaneda sp. nov. *S. fusisaprophyticus,* the synanamorph of *Sporidesmium circinophorum* is also described. Illustrated witrh b/w photos. (12 refs.)

Da Cruz A C R, Gusmao L F P, Ferreira S M L & Ruiz A C R (pp. 33-38) [English & Latin] Description of two new species of microfungus on dead plant material from Caatinga, Brazil, *Diplococcium verruculosum* A C R Cruz, Gusmao & R F Castaneda anam.sp. nov and *Lobatopedis longistriatum* A C R Cruz, Gusmao, M Leao & R F Castaneda anam.sp. nov. Illustrated with b/w photos. (9 refs.)

Barbosa F R, Gusmao L F P, Ruiz R F C, Marques M F O & Maia L C (pp 39-49) [English & Latin] Description of two new species of microfungus on dead plant material from Caatinga, Brazil, *Deightoniella rugosa* F R Barbosa, Gusmao & R F Castaneda anam. sp. nov. and *Diplocladiella cornitumida* F R Barbosa, Gusmao & R F Castaneda anam. sp. nov. Illustrated with b/w photos and drawings. Sixteen species are listed as new records for this site. (19 refs.)

Han Y, Zhang Y, Liang J & Liang Z (pp.51-56) [English & Latin] Description of *Paecilomyces tenuis* Y F Han & Z Q Liang sp.nov., a new species isolated from soil in Hubei Province,China. A phylogeny tree is shown and comparison is made with closely related species. Illustrated with b/w/ photos. (9 refs.)

Saag L, Hansen E S, Saag A & Randlane T (pp. 57-90) [English & Latin] Report of a survey of lichen genera *Lepraria* and *Leprocaulon* in Greenland. 13 species and two varieties of *Lepraria* and 3 species of *Leprocaulon* are described. 9 species are new to Greenland. New varieties *Lepraria alpina* var. *zeorinica* L Saag var. nov. and *L. caesioalba* var. *groenlandica* L. Saag var. nov. are described.An account of climatic and vegetation zones is included and a key to species is supplied together with a table of chemotypes and distribution maps for each species. (101 refs.)

R F Castaneda, L F P Gusmao, J Guarro, Stchigel A M, Stadler M & Saikawa M (pp.91-99) [English & Latin] Descriptions of *Acrodyctis irregularis* R F Castanedo, Gusmao & Guarro anam. sp. nov. and *Cacumisporium tropicale* R F Castanedo, Gusmao & Stchigel anam. sp. nov. new anamorphic fungi from Brazil.A key to *Cacumisporium* species is included. Illustrated with b/w photos. (11 refs.)

Ghobad-Nejhad M & Kotiranta H (pp.101-111) [English] Redescription of *Radulomyces rickii* and discussion of *Radulomydces* and its possible links with *Phlebiella.* Illustrated with b/w photos and drawings. (24 refs.)

Dai Y C & Hattori T (pp. 113-118) [English & Latin] Description of *Postia japonic*a Y C Dai &T Hatt. sp. nov. a new polypore found on *Castanopsis cuspidata* in Japan. Illustrated with b/w drawings. (13 refs.)

Zhao Z-H & Lu G-Z (pp. 119-126) [English] Description of *Fusarium kyushuense* on rice seeds recorded for the first time in China. Illustrated with b/w photos and phylogenetic trees. (15 refs.)

Wei X L & Hur J S (pp. 127-137) [English] First comprehensive report of the foliose genera of *Physciaceae* (lichenised ascomycetes) of South Korea. 26 species in 5 genera have been identified. A key to them is included and a brief description of each is given. *Phaeophyscia hispidula*. *Pyxine consocians* and *P. copelandii* are new to Korea. (15 refs.)

Meeboon J, Hidayat I & To-anun C (pp. 139-145) [English & Latin] Part 3 of study of Cercosporoid fungi from Thailand covers twelve species of *Cercospora* and *Passalora.* Two new species , *Passalora barleriigena* Meeboon & Hidayat sp. nov. and *P. sidae-mysorensis* Meeboon & Hidayat sp. nov. are described. Six species are new to Thailand. Illustrated with b/w drawings. (16 refs.)

Karstedt F, Capelari M & Sturmer S L (pp. 147-153) [English] Description of two species of *Pouzarella* (Entolomataceae) from Brazil, *P. dysthales* var. *acystidiosa* (Noordel. Karstedt & Capelari, comb. et stat. nov. and *P. ferreri* T J Baroni, S A Cantrell & Perd.Sanch, ined. first record from Brazil. Illustrated with b/w drawings. (15 refs.).

Kukwa M & Kubiak D (pp. 155-164) [English] There is still much work to be done on sorediate crustose lichens in Poland. Detailed descriptions are given here of six species reported for the first time in Poland, *Lecanora farinaria, L. norvegica, L. pannonica, Pycnora leucococca, Rinodina degeliana* and *Scoliciosporum gallurae.* (51 refs.)

Hou C-L & Piepenbring M (pp. 165-170) [English & Latin] Descriptions of two new species of *Rhytismataceae* on conifer twigs from Yunnan Province, China, *Coccomyces lijiangensis* L C Hou & M Piepenbr. sp. nov. and *Therrya abieticola* L C Hou & M Piepenbr. sp. nov. Illustrated with b/w drawings. (12 refs.)

Polemis E & Noordeloos M E :(pp. 171-178) [English & Latin] Descriptions of two new *Gymnopus* species from the Greek island of Andros, *G. dysosmus* Polemis & Noordel. sp. nov. and *G. amygdalisporus* Polemis & Noordel. sp. nov. including comparisons with similar species. Illustrated with b/w drawings. (15 refs.)

P-Zottarelli C L A, Gomes A L, de Oliveira J M`& Milanez A I (pp. 179-182) [English] Specimens of *Phragmosporangium uniseriatum* were isolated from soil samples of the Brazilian Atlantic Rainforest. Description, comments and illustrations are presented. (3 refs.)

Poldmaa K (pp. 183-197) [English & Latin] First records of *Hypocreaceae* from Peru include *cladobotryum* novovarium K Poldmaa sp. nov. and *Hypomyces robledoi* K Poldmaa sp. nov. Ten species were found none of which had been previously recorded form South America. Illustrated with b/w photos. (14 refs.)

Ozkara A, Ocak I, Korcan S E & Konuk M (pp. 199-202) [English] A study of the microfungal air spora of Afyonkarahisar, Turkey identified 32 different species. The full list can be found on http://www.biyoloji.aku.edu.tr/KONUK/07117.pdf. (26 refs.)

da Silva P S, Guzman G, CortezV G, R-Guillen F\& Silveira R M B (pp. 203-207) [English & Latin] Description of *Psilocybe subbrunneocystidiata* P S Silv & Guzman sp. nov .found in southern Brazil. Illustrated with b/w drawings. (12 refs.)

Justo A & Castro M L (pp. 209-220) Detailed descriptions and discussions of *Pluteus atropungens* and *P. brunneidiscus* recorded for the first time in Europe. Comparisons are made with similar species and a key to the species of *Pluteus* section *Pluteus* present in the Iberian peninsular and Balearic Isles is offered. Illustrated with b/w drawings. (23 refs.)

Justo A & Castro M L (pp. 221-230) [English & Latin] There were previously two different taxonomic concepts for *Pluteus pellitus*. It was neotypified by Bonnard as having clamp connections and relatively small spores. The other concept with no clamps and larger spores is described here as *Pluteus nothopellitus* Justo & M L Castro sp. nov. both species are described in detail, compared with similar species and illustrated with b/w drawings and a photo. A key to members of section *Pluteus* with white basidiocarps is supplied .(20 refs.)

Justo A & Castro M L (pp. 231-24) An annotated checklist of *Pluteus* species present in the Iberian peninsular and Balearic Isles is available at http://www.mycotaxon.com/resources/weblists.html. The 33 taxa are listed here under their Sections (17 refs.)

Jacobsson S & Larsson E (pp. 235-240) [English & Latin] Description of a new genus and new combination for *Agaricus albocrenulatus*, *Hemistropharia* Jacobsson & E.Larss. gen. nov. and

Hemistropharia albocrenulatus (Peck) Jacobsson & E.Larss comb. nov. Phylogenetic analysis suggests that it belongs in the vicinity of the hymenogastraceae and tubarieae clades. (14 refs.)

Gasparini B (pp. 241-251) [English] A very detailed study of *Cortinarius walkerae* and *C . austrovenutus* from Tasmania indicates that they are conspecific and that *C. autrovenutus* is a later synonym. Illustrated with b/w drawings and photos. (10 refs.)

Hu K & Guo S (pp., 253-256) [English & Latin] A new species *Hansfordia pallens* K X Hu & S X Guo sp. nov. isolated from living leaves of *Anoectochilus roxburghii* in China is described and compared with similar species. Illustrated with b/w drawings and photos. (8 refs.)

Yazici K, Aptroot A & Aslan A (pp. 257-260) [English] A study of the lichen biota of the Zonguldak area of Turkey produced 222 lichen taxa belonging to 73 genera of Ascomytina. Six were new to Turkey and most were new to Zonguldak. Illustrated with a map showing the eighty collecting sites. The complete list is available on http://www.mycotaxon.com/resources/weblists.html. (15 refs.)

da Silva M & Pereira O L (pp. 261-166) [English & Latin] Description of *Pseudocercospora rigidae* Meireile Silva O L Pereira sp. nov. found on *Ipalicourea rigida* from the Brazilian cerrado. It is compared with similar species and illustrated with b/w photos and drawings. (9 refs.)

Vellinga E C (pp.267-280) [English & Latin] Part 5 of study of Lepiotaceous fungi in California. The type of *Lepiota oculata* was studied and redescribed here. Modern collections were compared with it which led to description of three new species based on morphological characters and nrITS sequences. They ate *Leucoagaricus paraplesius* Vellinga sp. nov., *L. ophthalmus* Vellinga sp. nov. and *L. infuscatus* Vellinga sp. nov. Illustrated with b/w drawings. A key to the four species is provided. (14 refs.)

Le H T, Verbeken A, Nuytinck J, Lumyong S & Desjardin D (pp. 281-291) Part 3 of a study of the genus *Lactarius* in northern Thailand treating subgenus *Lactariopsis*. The two species are described in detail, *L. leoninus* and *L. pilosus* Verbeken, H T Le & Lumyong sp. nov. Illustrated with b/w drawings. (9 refs.)

Vizzini Z & Migliozzi V (pp. 293-306) [English] Description of *Leucocoprinus flavus*, found under *Cedrus atlantica* in northern Italy, the first European record of this tropical African species. It is compared with similar species and a key to the yellow European taxa in section *Denudati* is included. Illustrated with b/w photos and drawings. (64 refs.)

Yazici K, Aptroot A & Aslan A (pp. 307-313) [English] Additions to the knowledge of lichens in Turkey. Five species of lichenised and one non-lichenised fungi are described as new to Turkey. Four are also new to Asia. (17 refs.)

Norwell L L & Exeter R L (pp. 325-332) [English & Latin] Description of *Phaeocollybia ochraceocana* Norwell & Exeter sp. nov. found in Oregon, USA. It is compared with *P. luteosquamulosa* which it closely resembles and with which it was previously confused. A list is included of all western North American *Phaeocollybia* species. The *P. kauffmanii* complex is discussed and a key to its species supplied together with a table of diagnostic characters. Illustrated with b/w photos.(31 refs.)

Cabral A L, Santiago M A & Cavalcanti M A Q (pp. 333-337) Description of *Gilbertiella persicaria* found for the first time in Brazil on tapir, donkey and elk dung. Illustrated with b/w photos. (28 refs.)

HO, H. H, Gallegly M E & Hong C X (pp. 339-345) [English] Redescription of *Phytophthora melonis* the cause of foot rot disease on cucumber following examination of the type and other isolates which showed that the original description did not correspond in all respects to the material. Illustrated with b/w photos. (25 refs.)

Hidayat I, Meeboon J & To-anun C (pp. 347-354) [English & Latin] Examination of *Anthostomella* and *Fasciatispora* species from decaying palms in Indonesia and Thailand yielded new records and a species new to science, *F. ujungkulonensis* Hidayat, sp. nov. which is described in detail. It is illustrated with b/w photo and drawings and compared with closely related species. A key to *Fasciatispora* species is included. (19 refs.)

Bareen F & Braun U (pp. 355-363) [English & Latin] Description of a new species of aquatic hyphomycete, *Mycofalcella iqbalii* Firdaus-e-Bareen & U Braun, anam. sp. nov. found in canal water in Pakistan. The search for an appropriate genus for this species caused problems and led to a reassessment of the whole genetic complex of *Anguillospora, Pseudoanguillospora, Mycofalcella* and *Mycocentrospora* which is discussed in detail. Illustrated with b/w drawings. (33 refs.)

Kasuya T, Sato H & Kakishima LM (pp. 365-371) [English] A study of the rhizomorphs of *Melanoleuca verrucipes* revealed conspicuous cystidia on the peripheral hyphae which provides a new morphological character for the species. Although there is information on rhizomorph characters of many ectomycorrhizal fungi there is not as yet much such information for saprotrophic species. The rhizomorph structure of *Megacollybia platyphylla* has been studied and is compared with the present study. There is hope that eventually rhizomorphs could be used to identify fungi in the absence of fruitbodies. Illustrated with b/w drawings and photos. (18 refs.)

Wang D-M & Wu S-H (pp. 373-378) [English with Chinese abstract] Descriptions of *Ganoderma flexipes* and *G. multiplicatum* newly recorded in Taiwan. Illustrated with b/w photos and drawings. (27 refs.)

Yurchenko E O & Kotiranta H (pp. 379-382) [English & Latin] Description of *Athelicium urchenko* & Kotir. sp. nov. a second species in this previously monotypic genus, found at Minsk in Belarus. Illustrated with b/w drawings. (6 refs.)

Pastircak M & Pastircakova K (pp. 383-387) [English] Description of *Scopinella solani* which occurs on a number of graminicolous hosts and is recorded for the first time in Slovakia and the Czech Republic .Illustrated with b/w photos. (9 refs.)

Dogru Z & Guvenc S (pp. 389-394) [English] Brief descriptions of seven lichenised fungi and one lichenicolous fungus reported for the first time form Turkey. (22 refs.)

Sanchez R M & Bianchinotti M V (pp. 395-402) [English] *Dothiorina tulasnei* collected for the first time in Argentina is described. The genus is redescribed and the position of species in it discussed. The *Chalora* like conidiogenesis is described and documented. Illustrated with b/w photos. (14 refs.)

Halici M G, Hawkworth D L & Aksoy A (pp.403-414) [English] Descriptions of eleven lichenicolous fungi and three lichenised fungi newly reported from Turkey, mainly from the Aladaglar National Park. Comments on their habitat and substrate are included. (65 refs.)

Miettinen O, Niemela T & Ryvarden L (pp. 415-424) [English & Latin] Description of a new polypore found in northern Finland and Norway, *Irpex cremicolor* Miettinen, Niemela & Ryvarden, sp. nov. It is similar to the North American species *Oxyporus similis* and to the European species *O. obducens* (these may be synonymous). All three are described and the genus *Irpex* is discussed. Illustrated with b/w drawings. (18 refs.)

Cortez V G, Calonge F D & Baseia I G (pp. 425-429) [English] Part 2 of a revision of J Rick's species. *Lycoperdon benjaminii* is confirmed as a member of the *Lycoperdaceae* and recombined as *Morganella benjaminii* (Rick) Cortez, Calonge & Baseia, comb. nov. A key to South American species of *Morganella* is supplied. Illustrated with b/w drawing of f/b and SEM images of basidiospores. (10 refs.)

Miscellanea Mycologica - No 88, April 2007 Abstractor - Anne Andrews

J J Wuilbaut (pp. 4-20) [French] Series of photos, accompanied by very brief notes, of species found late in 2006. *Cortinarius cf trivialis, Amanita muscaria, Lactarius glyciosmus, L. vietus, L. lacunarum, Thelephora terrestris, Clavaria argillacea, Cortinarius cinnamomeoluteus, C. pholideoides, Hebeloma cf. cavipes, H. cf. velutipes, Tricholoma cingulatum, Galerina permixta, Gymnopilus fulgens, Mycena speirea, Daedaleopsis confragosa, Cortinarius cohabitans, Pluteus salicinus, Geopora arenicola, Clitocybe inornata, Hygrophorus persoonii, Volvariella surrecta, Auricularia mesenterica, Plicaturopsis crispa, Tricholoma orirubens, Clitocybe inornata. Lepista sordida, L. saeva and Mycena pseudocorticola.*

Moingeon S & J-M (pp. 21-32) [French] During mild spells in the winter it is often possible to find basidiomycetes growing on wood, especially members of the *Pleurotaceae* and the *Cyphellaceae* s.l. This article consists of such species found on the wood of *Abies alba*. *Phyllotopsis nidulans, Neolentinus adhaerens, Baeospora myriadophylla, Stigmatolemma conspersum, Henningsomyces candidus* and *Cyphella digitalis* are described and illustrated with colour photos. The author notes that there are also many corticioids and ascomycetes to be found at this time. (6 refs.)

Wuilbaut J J (pp. 33-50) [French] Reviews, with very detailed criticism of the photographs, of the books "Mille et un champignons" by Pierre Roux and "Champignons de Provence" by D Borgarino and C Hurtado.

Gondry E (pp. 52-54) [French] Account aimed at beginners of the progressive growth of plants and fungi on disused slag heaps, covering pioneer plants and fungi, mycorrhizal fungi, saprophytic fungi and plants and fungi or bare earth and short grass. Illustrated with a colour photo of *Astraeus hygrometricus.*

Miscellanea Mycologica - No 90, December 2007 Abstractor - Anne Andrews

Wuilbaut J J (pp.4-25) [French]Photographs, a few with very brief notes, of species found in 2007, *Lycoperdon echinatum, Russula raoultii, Pleurotus pulmonarius, Tricholma ustale, Cortinarius triumphans, Russula integra, Cortinarius arquatus, Tricholoma pseudoalbum, Lactarius flexuosus, Paxillus rubicundulus, Cortinarius cyanobasalis, Chlorophyllum rhacodes, Russula viscida, R. ochroflavescens, R. queletii, R. anthracina, Tricholoma saponaceum, Marasmius cohaerens, Amanita echinocephala, Scleroderma verrucosum, Lepista gilva, Cortinarius laniger, Lactarius roseozonatus, Cortinarius magicus, C. xanthophyllus, Tricholoma acerbum, T. orirubens, Lactarius pallidus, Cortinarius ochropallidus, Gerhardtia incarnatobrunnea, Mycena crocata, Suillus collinatus,*

Thelephora caryophyllea, Clitocybe foetens, Cortinarius sanguineus, Pterula multifida, Galerina marginata, Tricholoma batschii, Volvariella surrecta, Mycena adonis, Lepista irina.

Wuilbaut J J (pp. 26-27) [French] Account of a find of a rare fungus, *Leucopaxillus rhodoleucus,* illustrated with colour photos of spores and f/b.

Gondry E (p. 33) [French] Notes for beginners on fungus smells with a list of examples of fungi with distinctive smells.

Rivista di Micologia 50 (3), July-Sep.2007 Abstractor - Francesco Doveri

Chiari M. & Papetti C.:(pp.195-212) [Italian] "Approach to the genus Clitocybe - III." In this contribution the following species are described and illustrated by beautiful colour photos: *Clitocybe phaeophthalma* (Pers.) Kuyper, *C. fragrans* (With. : Fr.) P. Kumm., *C. obsoleta* (Batsch) Quél., *C. agrestis* Harmaja, *C. houghtonii* (Phillips) Dennis, *C. diatreta* (Fr. : Fr.) P. Kumm., *C. nitrophila* Bon, *C. brumalis* (Fr. : Fr.) Quél., *C. ditopa* (Fr. : Fr.) Gillet, *C. vibecina* (Fr. : Fr.) Quél., *C. nitriolens* J. Favre, *C. fuligineipes* Métrod, *C. umbilicata* (Schaeff. : Fr.) Singer, *C. metachroa* (Fr. : Fr.) P. Kumm., *C. decembris* Singer. (20 refs.)

Battistin E (pp. 213-219) [Italian] "Observations on two minute Entolomas: *E. farinasprellum* and *E. sordidulum*." The subject species are described, compared with similar taxa and furnished with macro- and microscopic colour photos. (8 refs.)

Fontenla R. & Para R (pp. 221-236) [Italian & Latin] "Observations on the genus Melanoleuca. Type studies - I." The type material of *M. diverticulata* G. Moreno & Bon, *M. electropus* Maire & Malençon, *M. kavinae* (Pilát & Vesely) Singer, *M. meridionalis* G. Moreno & Barrasa, *M. metrodii* Bon (nom. inval.), *M. nigrescens* (Bres.) Bon, and *M. pseudobrevipes* Bon has been studied and discussed. The new combination *Leucopaxillus mirabilis* var. *nigrescens* has been suggested. (13 refs.)

Zanella Melli E (pp. 239-241) [Italian] "*Oligoporus placenta*, an interesting and rare *Polyporaceae*". The subject species is illustrated by a colour photo, and briefly described and discussed. (5 refs.)

Papetti C. & Danzi E (pp. 243-253) [Italian] " Some rare or interesting Cortinarius from Fiemme Valley" *C. traganus* f. *ochraceus* M.M. Moser, Ammirati & M.T. Seidl, *C. canabarba* M.M. Moser, *C. agathosmus* Brandrud, H. Lindstr. & Melot, *C. evernius* (Fr. : Fr.) Fr., *C. serarius* Fr., and *C. uliginosus* Berk. are described, discussed, and illustrated by beautiful colour photos. (18 refs.)

Robich G. & Gelsomini G (pp. 255-260) [Italian] "*Mycena bulbosa*, an interesting, small species with a disc-shaped stem base" This odd species is described and compared with similar taxa, and illustrated with a beautiful colour photo. (8 refs.)

: Popolizio P (pp. 261-265) [Italian] "*Armillaria matsutake*, an interesting species rare in Italy." This species is described, furnished with macro- and microscopic colour photos, and particularly compared with *Tricholoma caligatum* (Viv.) Ricken. (7 refs.)

Pizzardo S (pp. 267-269) "A *Lactarius* in Section *Dapetes*: *L. deliciosus f. rubescens"* The subject species is briefly described and discussed. (4 refs.)

Annales Botanici Fennici - Vol 44 No 6 2007 Abstractor - Anne Andrews

Flakus A (pp. 427-449) [English] The aim of this study is to update the current knowledge of lichenised and lichenicolous fungi of mylonitized granite areas in the subnival belt in the Tatra

Mountains, one of the most species rich habitats in the Carpathians. Study of literature records together with material collected by the author in the field produced a list of 325 species, many recorded for the first time in this area or in various physico-geographical regions of the Carpathians. The list gives the locality, substrate and collection number for each species. Discussion of the results of the study stresses that there is still much further work to be done and emphasises the importance of conservation of this very species rich habitat. Illustrated with b/w photos of the terrain and a map showing the collecting sites .(63 refs.)

Mycobiology - Vol 35, No 4, December 2007 Abstractor - Anne Andrews

Han J & Shin H (pp.171-173) [English] Report of the first record of *Xylaria persicaria* on *Liquidambar* spp. in Korea. Illustrated with b/w photos. (10 refs.)

Wang X Y, Wei L W, Han K S, Koh Y J & Hur J-S (pp. 174-179) [English] A study of the lichen genus *Coccocarpia* in South Korea found two species *C. palmicola* and *C. erythroxyli* which are described in detail. A third species, *C. pellita*, which had previously been recorded was not found. Illustrated with distribution maps and b/w\ photos. (12 refs.)

Kim W K, Sang H K, Woo S K, Park M S, Paul N C & Yu S H (pp. 180-185) [English] A study of blue mould on grapes found six species of *Penicillium, P. bialowiezense, P. citrinum, P. echinulatum, P. expansum, P. solitum* and an apparently new species not yet named. These are described and illustrated with colour photos and b/w drawings. (21 refs.)

Imtiaj A, Geon J, Lee G W & Lee T S (pp.210-214) [English] Report of a study which found that isolates from *Stereum ostrea* had significant anti-bacterial and antifungal affects on some plant pathogens. Illustrated with b/w photos. (12 refs.)

Hong I P et al. (pp.215-218) [English] Report of a study to establish the chemical components of *Paecilomyces tenuipes* a popular folk remedy for several human diseases. (24 refs.)

Lee G W et al. (pp. 226-229) [English] Report of experiments in the artificial cultivation of *Oudemansiella mucida,* an edible and medicinal mushroom, on oak sawdust mixed with varying amounts of rice bran and wheat bran. Illustrated with b/w photos which appear in colour on the front cover. (12 refs.)

Hong S K, Kim W G, Cho W D & Kim H G (pp.235-237) [English] Study of leaf blight and bulb rot on Narcissus plants caused by *Botrytis narcissicola.* First occurrence of this in Korea. Illustrated with colour photos. (6 refs.)

Karstenia - Vol 47 No 2 2007

Eliasson U H & Gilert E (pp. 29-36) [English] The current inventory of myxomycetes as part of the Swedish Taxonomy Initiative project has produced records of species previously unknown in Sweden. Twenty of these are described here and illustrated with b/w photos. They include species from the artic-alpine zone and exceptionally small species. Because they are so difficult to see they could well be much commoner and more widely distributed than the number of records would suggest .The development of the moist chamber technique has led to the discovery of more such species in the last few years. Further work is needed and more species are likely to be discovered. The total number of myxomycete species known in Sweden at the moment is 210. (25 refs.)

Schigel D S (pp.37-48) [English] Detailed study of the insects colonising wood-rotting fungi in Agaricoid, Armillarioid and Pleurotoid genera. A previous paper covered Polypores. Illustrated with

coloured photos of some fungi and insect species and lists of insects recorded on different fungus species including numbers, frequency and location. (14 refs.)

Shiryaev A & Kotiranta H (pp. 49-54) [English] A checklist of *Typhula* and *Pistillaria* species in Finland contains 22 species of *Typhula* ands one *Pistillaria*. Localities, habitats and substrates. Five species are new to Finland though all are known in adjacent parts of Russia. They are *T. capitata, T. culmigena, T. hyalina, T. spathulata* and *T. struthiopteridis.* Brief ecological notes are included for these. (15 refs.)

Spirin W A & Zmitrovich I V (pp. 55-59) [English and Latin] Part 3 of a series on rare polypores found in Russia. The species treated here are corticioid fungi and most are extremely rare and ephemeral. Brief notes are given on *Anomoloma albolutescens, Hyphodontia flavipora, H. radula, Lindtneria trachyspora, Sisotrema alboluteum* and *S. dennisii.* A new species *Sisotrema brunneolum* Spirin & Zmitr. sp. nov. is described in detail and illustrated with b/w drawings and is compared with closely related species. (24 refs.)

Schweizerische Zeitschrift für Pilzkunde vol. 85, no. 6, 15th. December 2007 *Abstractor* - Ray Tantram

In German, some articles also in French & Italian

Musumeci E. (pp. 225-228, also 222-225) [ITALIAN p. 222-225, also 226-227] Fungus of the month (10) is the very rare *Camarophyllopsis atrovelutina,* a first collection for Switzerland, Ettingen, September 2007. Macro- and micro-features of this small species (fruitbody 1-5 cm.) are described. It has a Hygrocybe-Omphalinoid character with hygrophanous, xerocomoid, cuticle, broadly ellipsoid spores and no hymenial cystidia. Its taxonomy is discussed and it is compared with *C. atropuncta,* found in abundance close by, in mainly *Fraxinus* woodland. Colour plates show the species in situ, and one shows the 2 species together. Photomicrographs show cuticle, caulocutis and spores. Line drawings present spores, basidia, marginal cells, terminal cells of the caulocutis and the epicutis. Comprehensive documentation on this taxon can be found at www.naturamediterraneo.com/forum (5 refs.)

Mühlebach K. (pp. 228-229, 230-231) [also in French pp. 230-231, 229]

Fungus of the month (11) *is Hemimycena ignobilis,* found first in 1999 by the author in bare earth at the edge of a wheat field, and nearby in June 2007 adjoining a meadow of *Arrhenatherion elatioris*. This strip had been sprayed with a total herbicide in 2006. The tiny (cap diameter 3-10 mm) glassy-white omphalloid taxon is described and micro-features detailed. It appears to be rare, with only two collections listed in www.swissfungi.ch . Two colour plates show it in situ, growing with pioneer mosses, and line drawings show micro-features. (6 refs.)

Neukom H-P. (p. 232-233) The origins of the name 'Steinpilz' for *Boletus edulis* are discussed. This common name also covers some very closely related species. It is sometimes referred to as the Pig fungus, especially in the Italian form 'Porcini'. A name from the Middle ages is 'Master fungus', presumably from collections being delivered to landowners and the gentry generally. A recipe for 'Crostata with Ceps' is included, together with a picture of this highly esteemed culinary species.

Neukom H-P. (p. 234-235) Two samples of deep-frozen *Boletus edulis*, tested at Zurich Canton Laboratory, showed them to have massive maggot infestations and also to contain matchsticks! Domestic collections are unable to satisfy demand, so large quantities of fresh, dried and deep-frozen Ceps are imported from different countries. The degree of infestation in the samples investigated was unacceptable, containing maggots, mainly of flies, which lay their eggs in the fruitbodies. There is no health hazard but the material is of poor quality and unappetising. Self-regulation measures for these imports are plainly inadequate. Hints on buying and storing fungi are given, and a photograph shows fruitbodies with matchsticks in the stems used to prop up no longer attached caps.

Stijve T. (p. 236) ONLY IN FRENCH. *Langermania* (sic) *gigantea* is the most interesting of the Puffballs. Every year there are tales of fruitbodies of 30-40 cm diameter, developing, apparently overnight. It has been calculated that such specimens would contain 47 bn. spores. If these were dispersed over 12 hours this would comprise 96 millions per minute. The Cypress swamps of Florida have some of the best examples. F. Leuba, a Swiss mycologist, showed that in fact between 7-10 days were needed for full development. The colour plate shows a Giant Puffball of enormous size, quite possibly with the help of Photoshop, as it dwarfs Maggie Rogers, a well-known contributor to American Mushroom Magazine. (1 ref.)

Clémençon H. (p.240-242) [also in French p. 242-243, 241] The structure and functions of rhizomorphs are explained. Rhizomorphs can be several metres in length and can live in a substrate for several years independently of fruitbodies. Their inner structure is very complex, often composed of several different types of hyphae. Highly developed rhizomorphs show distinct inner and outer zones. Many authors speak of 'rhizoids' at the stipe base where small rhizomorphs are present. This is an incorrect application of the term 'rhizoid', as true rhizoids are only found on mosses and ferns. Rhizomorphs occur in more species than mentioned in the usual identification literature, and are therefore neglected by many mycologists. They offer helpful taxonomic criteria, as suggested by Prof. Agerer. *Clitocybe costata* is a fungus with unobtrusive rhizomorphs which are never mentioned. These are only 1/8 - ¼ cm thick and up to 5mm. long, and are revealed on washing. The images are explained. One shows the rhizomorphs at the stipe base, a longitudinal section shows the different hyphae types, and a transverse section demonstrates the absence of a distinct 'rind'. The photomicrographs were obtained in the usual way. Fixing with aldehydes, dewatering with methylcellosolve and the alcohol series, and embedding in methacrylate. The 6µm thick L/S was etched in aluminium chloride and zircon chloride, and stained with haemotoxylin, stabilised with copper sulphate. The T/S was stained by the tannin- iron chloride-haemotoxylin method.

Flammer R. (pp. 244-246) Enjoyment of a risotto made from Chinese Ceps was rapidly replaced by agony when the diner bit into a solid fragment which immediately caused gross inflammation in his mouth. Part of the fragment remained for analysis. The patient took 14 days to recover from severe symptoms, which included a swollen tongue and speech difficulties. Microscopic examination revealed plant cells and many bundles of needle-shaped oxalate crystals ('raphids'), and also starch grains. The Ceps were imported from sub-tropical South China which supports many species of the plant genus *Araceae*. These are rich in oxalates, which can be found in all tissues. Sometimes these 'raphids' are inactivated by cooking, allowing corms of *Colocasia esculenta*, Taro, to be used as a staple food in much of Asia. It can give rise to long-term effects, including kidney damage. The mechanism underlying the massive mucus membrane inflammation is described, together with some botanical details of members of the *Araceae* genus, which includes *Arum maculatum* and many showy plants of Botanical Gardens. Cases of contamination recorded in Switzerland in 2001 and 2002 were due to lining fungus collection baskets with toxic leaves. Four colour photomicrographs show contaminant features, and a bibliography is included.

Abstractor's note: I haven't got the right dictionary to check if 'raphids' is correct in English

Anon. (p. 247) Correction: incorrect dimensions were quoted with the line drawings of *Omphalina subsphaerospora* in the article in **SZP no. 5 - 2007 p. 186**

Senn-Irlet B. (pp. 252-254)

The annual week's foray of the Scientific Commission to Crans-Montana recorded over 530 collections with 350 species. *Scytinostromella heterogenea* was a first for Switzerland. Colour plates show *Amanita citrina* var. *intermedia, Tricholoma focale, Cortinarius (Dermocybe) mirandus* and *Rhodocybe stangliana*.

Clémençon H.; Buser P. (pp. 261-263) A *Clavulina* showing a grey-sooty colour in the lower part of its fruitbody was finally identified as. *C. cristata*, with the help of comments in Jülich 1984, who notes that this species is susceptible to being parasitised by another fungus. The perfect form of this, with submerged perithecia and dark brown ascopores, is *Helminthosphaeria clavariarum* and its imperfect form is *Spadicioides clavariarum*. This was later confirmed by further collections. Some discussion arose as to whether the host was *C. cristata* or *C. clavulina*, as in several collections, although the healthy upper parts were creamy and not grey, the crested tips of *C. cristata* were absent. Further searches of the literature stated that the parasite alters

appearance in this way. Colour plates show the parasitised coral fungus and photomicrographs features of the parasite. (4 refs.).