Report on

Macrofungi of the Columbia River Basin

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Biogeography of taxonomic group

Macrofungi found within the boundaries of the Eastside Ecosystem Management Project (EEMP) include three major subdivisions--Basidiomycotina, Ascomycotma and Zygomycotina. The subdivision Basidiomycotina. commonly known as the "Basidiomycetes", include approximately 15,000 or more species. Fungi such as mushrooms, puffballs and polypores are some of the more commonly known and observed forms. Other forms which include the jelly fungi, birds nest fungi, and tooth fungi are also members of the Basidiomycetes. The majority of the Basidiomycetes are either saprouophs on decaying wood and other dead plant material, or are symbiotic with the living cells of plant roots, forming mycorrhizal associations with trees and shrubs. Others are parasites on living plants or fungi. Basidiomycotina are distributed worldwide.

The Ascomycotina is the largest subdivision of true fungi, comprised of over 2000 genera. The "Ascomycetes", as they are commonly referred to, include a wide range of diverse organisms such as yeasts, powdery mildews, cup fungi and truffles. The Ascomycetes are primarily terrestrial, although many live in fresh or marine waters. The majority of these fungi are saprotrophs on decaying plant debris. Many sapronophic Ascomycetes specialize in decomposing certain host species or even are restricted to a particular part of the host such as leaves or petioles. Other specialized saprouophic types include those fungi that form fruiting structures only where a fire recently occurred or on the dung of certain animals Xlany other Ascomycetes are parasites on plants and less commonly on insects or other animals. Still other Ascomycetes form symbiotic relationships with vascular plants--mycorrhizae, and algae--lichens. Only Ascomycetes that form macroscopic sexual fruiting structures will be examined in this report. Ascomycetes can be found world wide.

The Zygomycotina is a diverse assemblage of fungi that either reproduce asexually by means of non-motile sporangiospores or by large, resistant chlamydospores. Many of these "Zygomycetes" are microscopic fungi that are mold-like, are ubiquitous in soil and dung, and are mostly saprotiophic. These forms will not be considered further. Another group within the Zygomycetes form a symbiotic relationship with the roots of grasses, herbaceous and crop plants, as well as with some trees and woody shrubs. This relationship is known as endomycotrhizae. These fungi are also distributed worldwide.

Members of each of these three subdivisions are found in abundance within the boundaries of the EEMP. Because of the close and absolute relationships, either symbiotic or saprotrophic, that these fungi have with vascular plants, areas of high macrofungal diversity and presumably endemism would occur where vascular plant diversity is high, relative to individual habitat types. Specifically this would include the mesic areas of Wyoming, Montana and northern Idaho located within the EEMP, as well as similar, although much less extensive areas that may be found in Utah, Nevada and eastern Washington and Oregon. The relationship between high vascular plant diversity and high fungal diversity holds for the endomycorrhizal Zygomycetes as well,. However, the areas of high diversity for these fungi and their hosts will be reiatively drier than mesic forest sites where diversity of Basidiomycetes and Ascomycetes would be highest. Characterized in this fashion, many of the areas of high macrofungal diversity and endemism would be in national forest, wilderness, national grasslands and other properties under federal jurisdiction within the EEMP boundary.

Key ecological groups and their functions

Several key ecological groups can be identified within each taxonomic categories described above. These include ecto- and endomycotrhizal fungi, saprouophic fungi, parasitic fungi and lichen forming fungi. Key functions of each functional group is provided in Table 1.

Table 1. Key functions of ectomycorrhizal, endomycorrhizal, saprouophic, parasitic and lichenized macrofungi.

	ECOLOGICAL/FUNCTIONAL GROUPS OF FUNGI				
	Saprotrophic	Mycorrhizal		Parasitic	Lichenized
ENVIRONMENTAL FACTORS		Ecto	Endo		
1. Recycle/transport nutrients and water	√	√	√		
2. Decomposition of plant biopolymers	√	√			
3. Link individual hosts		√	√		
4. Improve condition of soil	√	√			√
5. Prevent infection by root pathogens		√			
6. Elemental release and mineralization	√	√			√
7. Elemental storage and immobilization	√	√	√		√
8. Accumulation of toxic materials	√	√	√		√
9. Synthesis of humic materials	√	√			√
10. Regulation of successional trajectory and velocity	√	√	√	√	√
11. Regulation of photosynthesis		√	√	√	√
12. Regulation of population densities		√	√	√	

Key environmental factors determining occurrence of each functional group

An overview of the key environmental factors that affect the distribution and occurrence of each ecological/ functional group listed above is provided in Table 2..

Table 2. Key environmental factors that determine occurrence of ectomycorrhizal, endomycorrhizal, saprouophic, parasitic and lichenized macrofungi.

	ECOLOGICAL/FUNCTIONAL GROUPS OF FUNGI				
	Saprotrophic	Mycorrhizal		Parasitic	Lichenized
ENVIRONMENTAL FACTORS		Ecto	Endo		
1. Presence of host/ substrate	√	√	√	√	√
2. Age of host/substrate	√	√	√	√	√
3. Condition of host/substrate	√	√	√	√	√
4. Condition of soil	√	√	√	√	√
5. Moisture	√	√	√	√	√
6. Temperature	√	√	√	√	√

Several criteria can be used for designating particular species for special concern. These are listed below:

1. a species, which is taxonomically discrete, has been collected or observed sufficiently in a particular area by knowledgeable individuals over a sufficient period of time and has been found to occur infrequently in that area.

2. a species, which is taxonomically discrete, has not been collected or observed sufficiently in a particular area by knowledgeable individuals over a sufficient period of time but is suspected to occur infrequently in that area.

3. a species has been found to be of major importance ecologically (ie. keystone species, indicator species) and which also may occur in a habitat that is itself in danger.

4. a species has been found to provide other value and which also may occur in a habitat that is itself in danger.

5. a species that is or appears to be disjunct from populations outside of the area under consideration and which occurs elsewhere in habitats that are in danger (ie. a bioreservoir for possible use during restoration of particular habitats).

Table 3 is a list of major macrofungal species that occur within the boundaries of the EEMP compiled from a variety of sources. Table 4 is a list of species of special concern which should be assessed individually.

Specific issues for analysis in the Eastside Assessment process

Two interrelated issues should be critically examined during the EEMP Assessment process. Both stem from the fact that occurrence and diversity of macrofungal populations is directly related to host occurrence and ecosystem health. The ecological importance of macrofungi is abundantly clear. In addition, recent conservative estimates hold that only 5-10'-. of an estimated 1.5 million species of fungi have been described. Therefore, ecosystem managers should be aware that not only'are fungi that are known to science important to any future management plans, but the fungi which undoubtedly occur in the management area but have not even described yet should be considered.

The task of accumulating sufficient mycological information in the near future to be helpful in formulating predictions on community stability is daunting. At this point, so little is known regarding macrofungi (see discussion below) that it is not possible or practical to manage for individual species of fungi. The only alternative, poor though it may be, is to manage for the habitats where these fungi, and many other potentially undescribed taxa, are likely to occur . This will buy time so that we may increase studies of the ecology and taxonomy of the fungi which occur in those habitats. This dictates that we be conscious of habitats that are disappearing for whatever reason and that we manage for a continual diversity of habitats. The Eastside Management Team should carefully consider habitat loss, destruction and change, as well as maintenance of diverse habitats, in their actions.

Areas of unknown information

A multitude of texts have appeared recently on the topic of biodiversity and the severe consequences should the diversity of organisms in any given ecosystem not be maintained. While many of the principles and discussions of broader issues raised in these works are relevant to most organisms, most lack any substantive content on fungi. This has far-reaching implications not only for the lack of information on fungi, but more importantly for the loss of information regarding how fungi interact with other organisms and function within the ecosystem. It is not enough to document the existence of individual species of fungi We also need to know a great deal more about fungal function and community structure.

Retrospectively, mycologists have had a difficult time keeping pace with other taxonomic disciplines in accomplishing complete taxonomic circumscriptions of fungi invaluable in survey and inventory work. The known ratios of described vascular plants and insects to fungi in certain areas of the world have been calculated and they indicate that only approximately 5-10% of all fungal species are known. This puts mycology approximately 70-100 years behind the vascular plant and animal taxonomists in the identification and description of taxa. In addition, approximately 50% of the 2,314 taxa of macrofungi found within the boundary of the EEMP are known only from a single or very few collections. This reflects ill on other disciplines which have neglected to validate the importance of fungi in their studies. Implicit in the definition of community is that it is comprised of taxonomically diverse organisms, and has its own distinctive structure, activities and laws, including a unique internal economy that depends on relationships between the organisms that constitute it. The study of communities should therefore be multidisciplinary, but the inevitable tendency has been to consider only those components which are relevant to any particular ecological discipline. Ideally, any description of a plant community should include characterization of its mycoflora.

Perhaps at the root of the lack of knowledge where fungi are concerned is the historical and current lack of specialists. Oddly, in recent years, the number of qualified

mycologists has dwindled inversely to the burgeoning information on the function and importance of fungi.

Studies of fungal community structure have been limited in large part by taxonomic difficulties involved in defining fungal species, individuals and populations. Ideally, species of fungi would be as recognizable as are species of plants and animals, but this is simply not the case. The classical means of describing ecological groupings of organisms has been to use a hierarchy of terms to refer to systems with progressivelv more complex levels of organization. The basic units of such systems are individuals which tend to be physically discrete and functionally independent. It can reasonably be said that these characteristics hold for unicellular fungi. For mycelial fungi the problems are more severe because of difficulties in delimiting an individual mycelium. Since individual cells of a mycelium have the potential for independent existence and production of new individuals, the reason for describing mycelia as colonies becomes clear: At the same time differentiation and division of labor confers upon them some characteristics of an individual. Mycelia are clearly on the boundary between being colonies of functionally independent units and truly integrated individuals.

Another factor inhibiting research on fungal diversity is that of substrate. Many fungi occur in environments such as soil that are more opaque and more complex than above ground systems and are therefore not comparable to them. Soil systems possess a high degree of spatial and temporal heterogeneity in both biotic and abiotic components, thus making it difficult to measure or experimentally manipulate these systems in situ. In addition, ecological principles were developed largely around macroorganisms in a two-dimensional paradigm. Most researchers have therefore been conditioned to think of ecological processes operating in relation to land surface in two dimensions. However, fungi operate in three dimensions as a function of volume rather than area. Some heretofore readily accepted ecological principles and concepts are difficult to apply and may have less relevance when the third dimension is added. We must be prepared to accept that the same ecological measures that apply above ground may not be usable in soil and other complex subsuate systems.

Another example of the difficulties in following fungal populations is the potential shift in species composition and diversity that can occur from year to year. Far too many studies of fungi have been conducted over a convenient or academically meaningful period of time, i.e. two years, or during a Master's degree. In reality, only long term studies of five to ten years or more are likely to provide adequate information. The Forest Service and other federal agencies are in prime position to institute and fund such studies.

Based on these difficulties and others that may arise within the ecological/functional groups of fungi covered in this report, and other groups not examined here, it is not possible to provide any more than anecdotal information on their sensitivity to disturbance, trends in fungal populations, usefulness of species that may act as bioindicators, successional stages that particular fungal species prefer, or even adequate province categorization information. Table 5, showing distribution and habitat of fungi within the boundary of the EEMP that lack adequate information on which to base their special concern status, exemplifies this paucity of knowledge. It truly will be a daunting task to appreciably increase our lmowledge of the diversity and distribution of fungi in endangered habitats before those habitats have disappeared. Nothing short of the type of push and support found in the Manhattan and Penicillin projects during the Second World War will be sufficient.

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Table 3. A list of 2,314 major macrofungal species that occur within or near the boundaries of the Eastside Ecosystem Management Project compiled from a variety of sources. Fungi are arranged by taxonomic group, functional group and morphological group.

Same	Sources
Basidiomycotina	
Ectomycorrhizal	
Boletes	
Boletus abieticola Thiers	17, 123
Boletus appendiculatus Schff. ex Fr.	17, 126
Boletus barrowsii Thiers & Smith	17, 123
Boletus calopus Fr.	59, 120. 126
Boletus calopus var. frustosus (Snell & Dick) Miller & Wading	17.58
Boletus coniferarum Dick & Snell	17, 59, 120. 123
Boletus edulis Bull. ex Fr.	1,15, 61. 65. 120. 123
Boletus edulis ssp. pinicola (Vitt.) Konr. & Maubl.	17, 123
Boletus erythropus (Fr. ex Fr.) Pers.	13, 17, 126
Boletus fibrillosus Thiers	17, 123
Boletus haematinus Halling	17, 123
Boletus mirabilis Murrill	17, 61. 65. 120. 123
Boletus mottii Thiers	17, 120. 123
Boletus pallidus Pk.	15. 123
Boletus piperatus Fr.	5. 17. 120, 123
Boletus porosporus (Imler) Wading	17, 123
Boletus pulcherrimus Thiers & Halling	17.66. 120. 123
Boletus pulverulentus Opatowski	17. 123
Boletus radicans Pers. ex Fr.	120, 126
Boletus regius Kromb.	17.65, 123
Boletus rubripes Thiers	17.65. 120, 123
Boletus smithii Thiers	17.65, 120, 123
Boletus spadiceus Fr.	17. 120,123
Boletus subglabripes Pk.	17, 123
Boletus subtomentosus Fr.	15. 17. 120. 123
Boletus truncatus (Singer, Snell & Dick) Pouzar	17.65, 123
Boletus zelleri Murr.	1, 17, 65. 120, 123
Fuscoboletinus aeruginascens (Sec.) Pomerleau & Smith	120, 123. 128
Fuscoboletinus ochraceoroseus (Snell) Porn. & Smith	17. 61. 120. 123
Fuscoboletinus viscidus (L.:Fr. et Hok.) Grtmd & Harrison	17, 57.61
Leccinum aurantiacum (Bull. ex St- Amans) S. F. Gray	1,15, 17. 61.65, 120
Leccinum clavatum Smith, Thiers, & Wading	17
Leccinum discolor Smith, Thiers, & Wading	17, 63.65, 120
Leccinum fallax Smith, Thiers & Watling	17
Leccinum fibrillosum Smith, Thiers, & Watling	15, 17, 120
Leccinum idahoensis Smith, Thiers, & Wading	17
Leccinum incarnatum Smith, Thiers, & Watling	15, 17
Leccinum insigne Smith, Thiers, & Watling	17, 123
Leccinum insigne Smith, Thiers, & Wading var. brunneum Thiers	10
Leccinum insigne var. insigne Smith, Thiers, & Wading	15
Leccinum insigne var. iuteopallidum Smith, Thiers, & Watling	15
Leccinum ponderosum Smith, Thiers, & Wading	17. 120
Leccinum rotundifoliae (Singer) Smith. Thiers, & Watling	17

Table 3. (cont.)

Name	Sources
Leccinum scabrum (Fr.) S. F. Gray	15, 17, 57, 61. 120. 123
Leccinum subalpinum Thiers	17
Leccinum subfulvum Smith, Thiers, & Wading	17
Leccinum subleucophaem Dick & Snell	17
Leccinum subtestaceum Smith, Thiers. & Watling	15, 120
Leccinum truebloodii Smith, Thiers, & Watling	17
Leccinum vulpinum Wading	17, 126
Phylloporus rhodoxanthis	120. 121, 123
Suillus albidipes (pk.) Singer	15, 17, 21. 61, 65, 120
Suillus albivelatus Smith, Thiers, & Wading	1 7 . 1 2 0
Suillus appendiculatus (Pk.) Smith & Thiers	17.21
Suillus borealis Smith, Thiers, & Miller	17, 64, 65, 120
Suillus brevipes (Pk.) Kuntze	21, 120,123
Suillus brevipes (Pk.) Kuntze var. brevipes	21, 105. 1. 15, 17, 57, 65
Suillus brunnescens Smith & Thiers	10, 21, 120
Suillus caerulescens Smith & Thiers	17.21, 122
Suillus cavipes (Opat.) Smith & Thiers	17, 21, 57, 61, 120
Suillus flavogranulatus Smith, Thiers, & Miller	17, 64, 123
Suillus glandulosipes Thiers & Smith	15.21
Suillus granulatus (Fr.) Kuntze	15, 17.21, 57, 65, 120
Suillus grevillei (Klotzsch) Singer	17. 21. 57, 61, 120
Suillus hirtellus (Pk.) Kuntze	15.21
Suillus imitatus Smith & Thiers	17.21
Suillus lakei (Murr.) Smith & Theirs	3. 15. 17, 21.65. 120
Suillus lakei (Murr.) Smith & Thiers var. pseudopictus Smith & Thiers	17.21
Suillus luteus (Fr.) S. F. Gray	17. 57, 65, 21
Suillus pallidiceps Smith & Thiers	17, 21,121
Suillus ponderosus Smith & Thiers	17.21
Suillus pseudobrevipes Smith & Thiers	1, 15. 17, 21, 65
Suillus punctatipes (Snell & Dick) Smith & Thiers	17.21
Suillus ruber Singer & Sipe, ex Singer	21
Suillus sibiricus (Sing.) Sing.	15. 17, 21, 65, 120
Suillus subolivaceous Smith & Thiers	17, 21, 65, 120
Suillus tomentosus (Kauff.) Sing., Snell & Dick	1. 15, 17, 21. 57, 61, 65
Suillus tomentosus var. discolor Smith, Thiers & Miller	17. 120
Suillus tomentosus var. tomentosus	120
Suillus umbonatus Dick & Snell	1. 15, 17, 21, 120
Tylopilus amylosporus (Smith) Smith	17
Tylopilus indecisns (Pk.) Murrill	17, 123
Tylopilus pseudoscaber (Secr.) Smith & Thiers	17. 57. 61. 65. 59
Basidiomycotina	
Ectomycorrhizal	
Gilled Mushrooms	
Amanita alba Gill.	6, 121
Amanita brunnescens Atk.	15
Amanita brunnescens var. brunnerescens Atkinson	32
Amanita cokeri (Gilb. & Kuhner) Gilbert	32, 123
Amanita constricta Thiers & Ammirati	32, 123

Table 3. (cont.)

Name	Sources
Amanita farinosa Schw.	3 2 . 1 2 3
Amanita francheti (Boud.) Fayod.	32, 120. 121, 122
Amanita gemmata (Fr.) Gillet	13, 32,121. 122
Amanita inaurata Secr.	1. 15
Amanita livida	121
Amanita morrisiae	120
Amanita muscaria (L. ex Fr.) Hook	1, 15, 121
Amanita muscaria (Linnaeus ex Fr.) Pers. ex S.F. Gray var. alba	13. 31. 32, 120. 123
Amanita muscaria var. muscaria (L. per Fr.) Hooker	31, 32, 120. 123
Amanita pachycolea Thiers & Ammirati	5. 122
Amanita pantherina (DC. ex Fr.) Secr.	1, 15, 120, 121
Amanita pantherina (DC: Fr.) var. velatipes (Atk.) Jenkins	5. 32
Amanita pantherina var. pantherina (DC. per Fr.) Krombh.	32
Amanita pantherina var. pantherinoides (Murr.) Jenk.	3. 32
Amanita pantherinoides Murr.	9
Amanita phalloides (Fr.) Link. in Wildenow	32. 123
Amanita plumbea	121
Amanita porphyria (Alb. & Schw. ex Fr.) Secr.	15.32. 120, 121. 122
Amanita rubescens (Pers. ex Fr.) S. F. Gray	1. 15. 126
Amanita silvicola	121. 123
Amanita vaginata (Fr.) Vitt.	1, 15. 32
Amanita vaginata var. alba	120. 123
Amanita vaginata var. plumbea	120
Amanita vaginata var. vaginata	1 2 0
Amanita velosa (Pk.) Lloyd.	32
Catathehsma imperialis (Fr.) Singer	3, 120, 121
Catathelasma venmcosa (Pk.) Singer	105, 123
Chroogomphus leptocystis (Sing.) Miller	120. 121, 123
Chroogomphus ochraceus (Kauff.) 0. K. Miller	120. 121. 123
Chroogomphus pseudovinicolor Miller	120. 121, 122, 123
Chroogomphus rutilus (Schaeff. ex Fr.) 0. K. Miller	15, 120,121
Chroogomphus tomentosus (Mm-r.) Miller	120, 121, 122. 123
Chroogomphus vinicolor (Pk.) 0. K. Miller	1. 15, 120, 121, 122
Cortinarius absarokensis Moser & McKnight ined.	7
Cortinarius adalberti Favre ex Moser	10. 13, 126
Cortinarius ahsii McKn. & Dublin	2, 3, 8. 15
Cortinarius albobrunnoides Moser & McKnight (ined.)	13
Cortinarius alboviolaceus	120, 121, 123
corttnarius allutus (Fr.) Fr.	10, 126
Cortinat-ius alpi. .d.	6. 126
Cortinarius anomalous Fr.	15.120, 121, 122
Cortinarius armeniacus (Schaeff.: Fr.) Fr.	6, 10
Cortinarius armillatus	120, 121, 123
Cortinarius arquatus Fr.	3, 15, 120, 126
Cortinarius atkinsonianus Kauffm.	15
Cortinarius aureofulvus Moser	10, 123
Cortinarius aureopulverulentus Moser	13, 126
Cortinarius aurora Moser & Ammitati (ined.)	13
Cortinarius balteatus (Fr.) Fr.	15, 120, 123

Table 3. (cont.)

Same	Sources
Cortinarius bifonnis	120,121. 123
Cortinarius bivelus Fr.	9, 123
Cortinarius boudieri R. Henry	15.126
Cortinarius boulderensis	120, 121, 123
Cortinarius bovinus Fr.	5,126
Cortinarius brunneo-fulvus Fr.	15.126
Cortinarius brunneus Fr.	6,120. 121, 123
Cortinarius cacaocolor	120, 121, 123
Cortinarius callisteus Fr.	8, 123
Cortinarius calochrous Fr.	15.123
Cortinarius calochrous Fr. var. coniferarum Moser	10, 126
Cortinarius calopus Karst.	13.126
Cortinarius camphoratus Fr.	120, 121, 122, 126
Cortinarius caninus (Fr.) Fr.	6,120, 121,123
Cortinarius cedretorum Maire	13, 123
Cortinarius chrysohtus Kauffm.	15
Cortinarius chrysomalus Lamoure	6
Cortinarius cinnamomeus (L. ex Fr.) S. F. Gray	1, 15. 120, 121. 123
Cortinarius clandestinus Kauffm.	3. 15. 120, 121, 123
Cortinarius claricolor Fr.	122,126
Cortinarius claricolor var. turmalis Fr.	120, 121, 126, 128
Cortinarius cliduchus Fr.	15.120.121
Cortinarius collinitus var. collinitus f. caeruliipes Smith	15. 123
Cortinarius collinitus var. collinitus (Fr.) S. F. Gray	15.121, 123
Cortinarius collinitus var. olympiana Smith	15, 123'
Cortinarius collinitus var. trivialis f. repandus Karst.	15,123 .
Cortinarius collinitus var. trivialis (Lange) Smith	15,123
Cortinarius confusus Kauffm. & Smith	15
Cortinarius cotoneus Fr.	120, 121, 126
Cortinarius crassus Fr.	15, 121, 123
Cortinarius croceofolius	12,123
Cortinarius croceus Schaeff.	6
Cortinarius deceptivus Kauffm.	15,126
Cortinarius delibutus Fr.	1, 15, 123
Cortinarius dilutus Fr.	13. 15, 120.121, 123
Cortinarius diosmus Kuehner	10, 126
Cortinarius distans Pk.	1, 120, 121, 123
Cortinarius duracinus (Fr.) Fr.	6,123
Cortinarius elegantior Fr.	15. 123
Cortinarius elegantulus (Moser) Moser	13,126
Cortinarius elotioides Moser & McKnight (ined.)	13
Cortinarius elotus Fr.	10, 126
Cortinarius emunctus Fr.	15
Cortinarius erythrinus (Fr.) Fr.	10. 126
Cortinarius evernius Fr.	1, 122, 123
Cortinarius favrei Mos. ex Henderson	6, 126
Cortinarius fibrillosus Cleland	10, 120, 121
Cortinarius 'flavobasalis Mcknight and Moser nom. prov.	8
Cortinarius flexipes Fr. ss. Kuehner, 1961	6,126

Table 3. (cont.)

Name	Sources
Cortinarius fragrans Smith	15, 120, 121, 122. 123
Cortinarius fraudulosus Britz	10, 126
Cortinarius fulmineus Fr.	120, 121, 126
Cortinarius fulvoochrascens Henry	10, 126
Cortinarius fuscoflexipes Moser & McKnight	7
Cortinarius fusconeronatus Kuehner	13,126
Cortinarius gentiks (Fr.) Fr.	1.8, 15. 120, 121. 112, 123
Cortinarius glaucopus Fries. var. olivaceus Moser	10, 123, 126
Cortinarius glaucopus (Schaeff. ex Fr.) S. F. Gray	1 15. 120 ,121 123
Cortinarius griseoluridus Kauffm.	6:123
Cortinarius hemitrichus (Pers. ex Fr.) Fr.	1. 15, 120. 126
Cortinarius hemitrichus var. americanus	121
Cortinarius hercynicus (Pet-s.) Moser	6,123
Cortinarius herpeticus Fr.	120, 121,126
Cortinarius humboldtensis Ammirati & Smith	6
Cortinarius iiiopodius Fr.	15, 126
Cortinarius infractus Fr.	3. 15 ,120 ,121, 123.123
Cortinarius iodioides Kauffm.	15, 123
Cortinarius laniger Fr.	1, 15, 120. 121. 122.123
Cortinarius largus	120, 121. 123
Cortinarius leucopus (Bull. ex Fr.) Fr.	120. 121, 126
Cortinarius lonaupes Pk.	15
Cortinarius lucorum (Fr.) Lge.	120. 123. 126
Cortinarius malicorius Fr.	3, 15
Cortinarius metarius Kauffman	15, 120. 121, 123. 128
Cortinarius miniatopus	120, 121,123
Cortinarius montanus Kauffman	120. 121,123. 128
Cortinarius mucosus (Fr.) Fr.	15, 59, 120, 121, 122, 123
Cortinarius mucronatus Moser & McKnight	7
Cortinarius multiformis Fr.	15.120.121.123
Cortinarius mutabilis Smith	15, 120, 121, 122, 123
Cortinarius obtusus Fr.	6. 120. 123
Cortinarius ochrophyllus Fr.	10, 126
Cortinarius olympianus Smith	5, 120, 123
Cortinarius orellanus Fr.	1, 123
Cortinarius orichalceus Fr.	1, 15. 120. 121. 123
Cortinarius paleaceus Fr.	6.123
Cortinarius pallidifolius Smith	15, 120, 121, 123
Cortinarius papulosus Fr.	13, 126
Cortinarius percomis Fr.	1, 15, 120, 121, 132. 123
Cortinarius phoenecius var. phoenecius Bull. ex Maire	15
Cortinarius phoeniceus var. occidentalis Smith	15, 120, 121, 122, 123
Cortinarius pholideus (Fr. ex Fr.) Fr.	120,121, 122, 123, 126, 128
Cortinarius pinetorum (Fr.) Kauffman	120. 121,128
Cortinarius plumiger	120.121.123
Cortinarius pluvius (Fr.) Fr.	6,126'
Cortinarius polaris (Hojl.)	13
Cortinarius porphyropus Fr.	120.126
Cortinarius prasinus Fr. ss. Lge.	120, 121, 123, 126

Table 3. (cont.)

Name	Sources
Cortinarius pseudoarquatus	120, 121, 123
Cortinarius pseudobovinus Moser & McKnight (ined.)	13
Cortinarius purpurascens	120, 121, 123
Cortinarius raphanoides (Fr.) Fr.	8, 15. 123
Cortinarius renidens Fr.	6, 8. 126
Cortinarius rigidus Fr. ss. Fr., Lge.	15, 126
Cortinarius rufoanuliferus Moser & McKnight	7
Cortinarius rufoolivaceus Fr.	1, 15. 120. 126
Cortinarius rusticus Karst.	15
Cortinarius salor Fr.	120,121, 122, 123, 126
Cortinarius scandens Fr.	1, 15, 123
Cortinarius scutulatus Fr.	6,126
Cortinarius semisanguineus (Fr.) Gill.	15, 120.. 121. 122, 123
Cortinarius splendidus Pk.	15,120. 121, 123
Cortinarius subalpinus ined.	8
Cortinarius subarquatus (Mos.) Mos.	15. 126
Cortinarius subbalteatus Kuehn.	15, 126
Cortinarius subfoetens Moser & McKnight nom. prov.	13, 123
Cortinarius subfoetidus Smith	120, 121, 122, 126
Cortinarius submarginatis Pk.	15
Cortinarius subolivascens Smith	15
Cortinarius subpurpureus Smith	15, 123
Cortinarius superbum Smith	120. 121, 123, 126. 128
Cortinarius tophaceus (Fr.) Fr.	15, 120. 126
Cortinarius torvus (Bull. ex Fr.) Fr.	1, 15. 123, 126, 128
Cortinarius traganus (Weinm. ex Fr.) Fr.	1, 15, 120. 121, 122. 123
Cortinarius triformis Fr.	6 . 1 2 3
Cortinarius triumphans Fr.	15, 120, 123
Cortinarius trivialis Lge.	120, 121, 123, 126
Cortinarius turgidus Fr.	15, 126
Cortinarius umidicola (Kauffm.)	120, 121, 126
Cortinarius uraceus Fr.	120, 121, 126
Cottinarius vanduzerensis Smith & Trappe	5, 123
Cortinarius variicolor Fr.	15, 123
Cortinarius varius Fr.	10.123
Cortinarius venetus	120
Cortinarius venetus (Fr. ex Fr.) Fr. var. montanus Moser	6. 126
Cortinarius vibratilis (Fr.) Fr. ss. Moser	15, 120. 121, 122, 123
Cortinarius violaceus (Fr.) Fr.	1, 15, 59, 120. 121, 122
Cortinarius virentophyllus Kauffm.	15. 123
Cortinarius vulpicolor Moser & McKnight	7
Cortinarius zakii	122. 123
Cortinarius zinziberatus Fr. var. longipes ined.	8
Gomphidius glutinosus (Schaeff. ex Fr.) Fr.	1, 15. 120, 123
Gomphidius maculatus (Scop.) Fr.	120, 123, 126
Gomphidius oregonensis Pk.	120, 123, 128
Gomphidius pseudomaculatus 0. K. Miller	1
Gomphidius subroseus Kauffm.	3. 15, 120
Hebeloma alpinicola Smith, Evenson & Mitchel	18

Table 3. (cont.)

Name	Sources
Hebeloma areolatum nom. prov.	104
Hebeloma avellaneo-marginatum nom. prov.	104
Hebeloma brunneum nom. prov.	104
Hebeloma bryophilum nom. prov.	104
Hebeloma clavatnm nom. prov.	104
Hebeloma crustuliniforme (Bull. ex Fr.) Quel.	1, 15, 120
Hebeloma decolorans nom. prov.	104
Hebeloma fastibile (Pets.: Fr.) Kummer	18, 120
Hebeloma flavidum nom. prov.	104
Hebeloma idahoense Smith, Evenson & Mitchel	5. 18
Hebeloma kelloggense Smith, Evenson & Mitchel	1 8
Hebeloma latisproum Smith, Evenson & Mitchel	18
Hebeloma luteolosporium nom. prov.	104
Hebeloma lutescentipes Smith, Evenson & Mitchel	1[illegible]
Hebeloma marginatulum (Favre) Bruchet var. marginatulum	1[illegible]
Hebeloma mesophaeum (Fr.) Quel.	15. 122
Hebeloma mesophaeum (Fr.) Quelet var. mesophaeum	18
Hebeloma mesophaeum var. subobscurum Sm., Even. and Mit.	18
Hebeloma microcysticum nom. prov.	104
Hebeloma millet-i nom. prov.	104
Hebelorr .usicola nom. prov.	104
Hebelom.. ..gromaculatum Smith, Evenson & Mitchel	18
Hebeloma nordmanense nom. prov.	104
Hebeloma occidentale Smith, Evenson & Mitchcl	18
Hebeloma odorum nom. prov.	104
Hebeloma ollaliense Smith, Evenson & Mitchel	18
Hebeloma oregonense Smith, Evenson & Mitchel var. oregonense	18
Hebeloma parcivelium Smith, Evenson & Mitchel	18
Hebeloma payettense nom. prov.	104
Hebeloma payettense var. glutinosum nom. prov.	104
Hebeloma perigoense Smith, Evenson & Mitchel	18
Hebeloma pinetorium Smith, Evenson & Mitchel	18
Hebeloma pseudofastibile var. distans Smith. Evenson & Mitchel	18
Hebeloma pungensSmith, Evenson & Mitchel	18
Hebeloma sacchariolens Quel.	120, 126
Hebeloma salmonense Smith, Evenson & Mitchel	18
Hebeloma sinapizans (Fr.) Gill.	15, 120
Hebeloma squamatum nom. prov.	104
Hebeloma stanleyense Smith, Evenson & Mitchel	18
Hebeloma suiatulatum nom. prov.	104
Hebeloma strophosum (Fr.) Sacc.	120,126
Hebeloma strophosum (Fr.) Sacc. var. occidentale Sm., Even. & Mitch.	18
Hebeloma subhygrophanum nom. prov.	104
Hebeloma subleve nom. prov.	104
Hebeloma subviscidum nom. prov.	104
Hebeloma velatum Pk.	5
Hebeloma vinaceogriseum Smith, Evenson & Mitchel	18
Hebeloma vinaceoumbtinum Smith	5
Hygrophorus agathosmus (Fr.) Fr.	1, 15.19. 120

Table 3. (cont.1

Name	Sources
Hygrophoms albiflavus Smith & Hesl.	19
Hygrophorus amarus Smith & Hesl.	1, 15, 19, 120
Hygrophorus avellaneifolius Smith & Hesl.	19
Hygrophorus bakerensis Smith & Hesl.	19, 120
Hygrophorus borealis	120, 122
Hygrophorus borealis Pk. f. borealis	19
Hygrophorus burgdorfensis Smith & Hesl.	19
Hygrophorus calophyllus Karst.	19
Hygrophorus camarophyllus (Fr.) Dumee. Grandjean. et Marie	10.19, 120
Hygrophorus capreolarius (Kalchbr.) Sacc.	19, 120
Hygrophorus chrysodon (Fr.) Fr.	3.15. 19, 120
Hygrophorus cossus Fr.	19
Hygrophorus cremicolor (Mm-r.) Murr.	19
Hygrophorus discoideus (Fr.) Fr.	15, 19
Hygrophorus ebumeus (Fr.) Fr.	19,120
Hygrophorus ellenae Smith and Hesler	19
Hygrophotus erubescens (Fr.) Fr.	1, 15, 120
Hygrophorus erubescens (Fr.) Fr. var. erubescens	19
Hygrophorus erubescens var gracilis Smith & Hesl.	19
Hygrophonrs flavodiscus Frost apud Pk.	19
Hygrophorus fuligineus Frost apud Pk.	19
Hygrophorus fuscoalboides Hesler & Smith	10.19
Hygrophorus fuscoalbus (Lasch) Fr.	15
Hygrophorus fuscoalbus (Lasch) Fr. var. fuscoalbus	19
Hygrophorus gliocyclus Fr.	15, 19, 120
Hygrophorus glutinosus Pk.	19
Hygrophorus goetzii Smith and Hesler	1 9
Hygrophorus graveolens Smith & Hesl.	19
Hygrophorus hyacinthinus Quelet	10
Hygrophorus hypothejus (Fr.) Fr.	15. 19. 122
Hygrophotus inocybifonnis Smith	15. 19, 120
Hygrophorus karstenii f. minor Bres.	19
Hygrophortis marzuolus (Fr.) Bres.	15, 19
Hygrophorus megasporus Smith & Hesl.	19
Hygrophorus monticola Smith and Hesler	19
Hygrophorus morrisii Pk.	19
Hygrophorus niveus Fr.	19, 120
Hygrophorus nordmanensis Smith and Hesler	19
Hygrophorus occidentalis Smith & Hesl.	19
Hygrophonrs odoratus Smith & Hesl.	19
Hygrophorus olivaceoalbus (Fr.) Fr.	1, 15, 120
Hygrophorus olivaceoalbus (Fr.) Fr. var. olivaceoalbus	19
Hygrophorus olivaceoalbus var. gracilis Maire	19
Hygrophorus pacificus Smith & Hesl.	19
Hygrophotus penarius Fr.	19
Hygrophorus piceae Kuhn. & Romagn.	19. 120
Hygrophorus pratensis (Fr.) Fr. var. pallida Kauffman	9,120
Hygrophorus pratensis (Fr.) Fr. var. pratensis	19
Hygrophorus pudorinus (Fr.) Fr.	3. 120

Table 3. (cont.)

Name	Sources
Hygrophotus pudorinus var. fragrans (Murr.) Smith & Hesl.	15.19
Hygrophorus pudorinus var. pudorinus Fr.	15
Hygrophorus purpurascens (Fr.) Fr.	1, 15. 19, 120
Hygrophorus pusillus Pk.	5. 19
Hygrophorus pustulatus (Fr.) Fr.	15.19
Hygrophonts recurvatus Pk.	19
Hygrophorus russula (Fr.) Quel.	19
Hygrophorus saxatilis Smith & Hesl.	19, . . .
Hygrophorus siccipes Smith & Hesl.	19
Hygrophorus speciosus Pk.	120, 127
Hyg-rophorus speciusus Pk. var. speciosus	19
Hygrophorus subalpinus Smith	2. 15, 19, 120
Hygrophorus subpungens Smith & Hesl.	19
Hygrophorus s. . . olaceus Pk.	19, 120
Hygrophorus . . . cus Fr.	1, 15. 120
Hygrophorus te . . . us (Fr.) Fr. var. tcphroleucus	19
Hygrophorus varicolor Murr.	19
Hygrophorus velatus Hesl. & Sm.	19
Hygrophorus vemalis Smith	19
Hygrophorus vinicolor Hesl. & Sm.	19
Inocybe boltonii Heim	6, 120
Inocybe calamistrata (Fr.) Gill.	6, 121, 123
Inocybe calospora Quelet	13
Inocybe fastigian (Schaeff. cx Fr.) Quel.	1, 15, 120, 121
Inocybe geophylla (Sow. ex Fr.) Kumm.	3, 15
Inocybe geophylla var. geophylla Kuyper	120,121
Inocybe geophylla var. lilacina	5.21, 120
Inocybe griseolilacina Lange	6,133
Inocybe lacera (Fr.) Kummer var. heterocystis Favre	6
Inocybe lanuginosa (Bull. : Fr.) Kummer	10, 120, 121
Inocybe leptophylla Atk.	1. 15
Inocybe leucoblema Kuhner	6
Inocybe maculata Boud.	121
Inocybe pr . . . ervisa Quelet	10
Inocybe pudica Kuhner	10. 121
Inocybe sororia Kauffm.	6, 15. 120, 121
Inocybe subexilis (Pk.) Sacc.	1, 15
Inocybe terrigena (Fr.) Kuhner	6
Inocybe whitei (Berk. & Br.. Sacc.	10
Laccaria amethystina	121
Laccaria bicolor (Maire) Orton	106. 120, 121
Laccaria laccata (Scop. ex Fr.) Cke.	1. 15, 120. 121, 122
Laccaria laccata var. pallidifolia (Pk.) Pk.	106
Laccaria montana Singer	106
Laccaria nobilis Smith apud G. M. Mueller	106
Laccaria proxima (Boudier) Patouillard	106
Laccaria striatula	120, 121, 123
Lactarius affinis var. viridililctis (Kauffm.)	20
Lactarius alnicola Smith	15

Table 3. (cont.)

Same	Sources
Lactarius alnicola Smith var. alnicola	20
Lactarius alpinus Pk .var. alpinus	20
Lactarius alpinus var. mitis	20
Lactarius aspideoides Burlingham	20
Lactarius aspideus (Fr.) Fr.	20,120, 121
Lactarius aurantiacus (Fr.) S. F. Gray	15, 120. 121
Lactarius caespitosus	1, 15.20
Lactarius carbonicola Smith	20
Lactariuscascadensis	20
Lactarius circellatus var. borealis	2 0 , 1 2 2
Lactarius controversus (Fr.) Fr.	15, 20, 120. 121
Lactarius deliciosus (L. ex Fr.) S. F. Gray	1, 15. 120, 121, 122
Lactarius deliciosus var. areolatus Smith	3, 15. 20
Lactarius deliciosus var. olivaceosordidus Hesl. & Smith	15
Lactarius deliciosus var. piceus F. Smotl.	15
Lactarius deterrimus Groger	13, 126
Lactarius fallax	120
Lactarius fallax Smith & Hesl. var. fallax	20, 121
Lactarius fallax var. concolor Smith & Hesl.	20, 120. 121
Lactarius fragilis var. rubidus Hesler and Smith	20
Lactarius fuliginosus	121, 123
Lactarius glyciosmus (Fr.) Fr.	20. 120, 121. 122
Lactarius gossypinus Hesler & Smith (1979)	1, 2, 15.20
Lactarius helvus Fr.	15, 126
Lactarius hepaticus Plowright	20
Lactarius hibbardae Pk.	120, 121
Lactarius hysginus	120, 121, 123
Lactarius hysginus Fr. var. hysginus	20
Lactarius hysginus var. americanus Hesler and Smith	20
Lactarius kauffmanii Sm. & Hesl.	120,121. 122
Lactarius kauffmanii Sm. & Hesl. var. kauffmanii	20
Lactarius lepidotus Hesler and Smith	20
Lactarius lignyotus Fr. var. canadensis	20
Lactarius lignyotus Fr. var. lignyotus	20
Lactarius luculentus Burlingham var. luculentus	20
Lactarius mucidus Burl.	120, 121
Lactarius nanus Favre	7, 126
Lactarius necator (Fr.) Karst.	121
Lactarius occidentalis Smith	20
Lactarius olivaceo-umbrinus Hesl. & Sm.	20
Lactarius olympianus Hesl. & Smith	15.20, 122
Lactarius pallescens Hesl. & Sm. var. pallescens	20
Lactarius payettensis Smith	15, 20, 120, 121
Lactarius pipetatus (L. ex. Fr.) S. F. Gray	121, 123, 126
Lactarius pseudodeceptivus Hesl. & Sm.	20
Lactarius pseudomucidus Hesl. & Sm.	20
Lactarius pubescens Fr.	15. 120. 121, 122
Lactarius pubescens Fr. var. pubescens	20
Lactarius representaneus Britz.	15, 20, 120

Table 3. (cont.)

Name	Sources
Lactarius resimus Fr.	120, 121. 126
Lactarius resimus (Fr.) Fr. var. resimus Fr.	15.20
Lactarius resimus var. regalis Pk.	20
Lactarius rubrilacteus Hesl. & Smith	15.20
Lactarius rufus (Scop. ex Fr.) Fr.	1, 15. 120. 121, 122
Lactarius rufus var. parvus var. Hesler and Smith	20
Lactarius sanguifluus (Paulet ex Fr.) Fr.	120, 121, 126
Lactarius scrobiculatus (Scop. ex Fr.) Pers.	15,120, 121
Lactarius scrobiculatus var. canadensis Smith	20,122
Lactarius semisanguifluus Heim & LeClair	1, 120. 121
Lactarius subdulcis (Pers. ex Fr.) S. F. Gray	1, 15, 121
Lactarius tabidus sensu Neuhoff	120
Lactarius thyinos Smith	1, 15, 121
Lactarius torminosus (Fr.) S. F. Gray var. torminosus	20
Lactarius torminosus (Schaeff.) Fr.	15, 120, 121
Lactarius torminosus var. nordmanensis Smith	20, 122
Lactarius trivialis (Fr.) Fr.	15.20, 120, 121, 123
Lactarius uvidus Fr.	15,122
Lactarius uvidus (Fr.) Fr. var. montanus	20
Lactarius uvidus (Fr.) Fr. var. uvidus	120. 121
Lactarius uvidus var. pallescens	120.121, 123
Lactarius vietus (Fr.) Fr.	20
Lactarius zonarius (St Amans) Fr. sensu Neuhoff	120, 121. 123
Leucopaxillus albissimus var., albiformis	120
Leucopaxillus albissimus var. albissimus	120
Leucopaxiilus albissimus var. paradoxus	120
Leucopaxillus amarus (Alb. & Schw. ex Fr.) Kuhn.	15. 119, 120, 121. 122
Leucopaxillus giganteus (Fr.) Sing.	15, 120, 121
Leucopaxillus paradoxus	121, 123
Leucopaxillus roseibrunneus	121
Leucopaxillus septentrionalis	120. 121
Limacella glioderma (Fr.) R. Mre.	120. 121. 123
Limacella glishra (Morg.) Murr.	120. 127
Limacella illinita (Fr.) Earle	5. 121
Martellia fulvescens Singer and Smith	124, 125
Paxillus atrotomentosus (Batsch: Fr.) Fr.	120. 121, 122, 131
Paxillus involutus Fr.	15, 120, 121, 122
Rozites caperata (Pers. ex Fr.) Karst.	1, 15, 120. 121
Russula adusta (Pers.) Fr.	15, 126
Russula aeruginea Lindbl. ex Fr.	1, 15, 120, 121
Russula albonigra (Krombh.) Fr.	15, 120, 121
Russula alpina (Blytt) Moel. & Schff.	6, 126
Russula basifurcata Pk.	1 5
Russula bicolor	121, 123
Russula brevipes Pk.	1, 120, 122
Russula brevipes var. acrior Shaff.	15, 121
Russula brevipes var. brevipes Pk.	15. 121
Russula cascadensis	120, 121
Russula chamaeleontina Fr.	15

Table 3. (cont.)

Name	Sources
Russula claroflava Grove	5
Russuia consobrina Fr.	15, 126
Russuia cyanoxantha Schff. ex Fr.	121, 126
Russula decolorans Fr.	15,120, 121
Russula densifolia (Secr.) Gill.	15, 120, 121, 122. 126
Russula dissimulans Shaffer	10,120. 121
Russula emetica (Schaeff. ex Fr.) S. F. Gray	1, 15. 120, 121
Russula firmula J. Schff.	10. 136
Russula foetans Fr.	6. 120, 121
Russula fragilis (Pers. ex Fr.) Fr.	1, 15, 121, '126
Russula laurocerasi Melzer	120. 121. 122.134
Russula lutea	120. 121, 123
Russula nanus Fr.	6
Russula nauseosa (Pers. ex Schw.) Fr. ss. Bres.	120, 121. 126
Russula nigricans (Bull.) Fr.	120. 121, 122, 123, 126
Russula obscura Romagn.	15. 123
Russula occidentalis	120, 121. 122, 123
Russula olivacea (Schff. ex Secr.) Fr.	120. 121, 126
Russula pectinata	120. 121, 123
Russula pectinatoides	121. 123
Russula pelargonia Niolle	120, 122, 126
Russula persobria Kauffm. ex Sing.	15
Russula placita	120. 123
Russula queletii Fr.	13, 105
Russula rosacca Pers. ex S. F. Gray	121. 122. 126
Russula rosea Quel	120
Russula squalida Pk.	15
Russula variata Banning	15
Russula vesicatoria Burl.	1, 15
Russula vetemosa Fr.	15. 123
Russula virescens Fr.	15
Russula xerampelina (Schaeff. ex Secr.) Fr.	1, 15, 120. 121. 123
Tticholoma albobtunneum (Fr.) Kummer	9, 120. 121. 123
Tticholoma atroviolaceum Smith	28, 120, 121. 123
Tricholoma aurantium (Schaeff. ex Fr.) Ricken	1, 15
Tricholoma cheilolaminum Overbo	28. 123
Tricholoma cystidiosum Smith	28
Tricholoma flavobrunneum(Fr.) Kumm.	15, 123
Tricholoma flavovirens (Pet-s. ex Fr.) Lund.	15.28, 120, 121, 122
Tricholoma focale (Fr.) Ricken	1, 2, 15, 28. 120. 122. 123
Tricholoma guttatum (Schaeff.: Fr.) Sacc.	6, 126
Tricholoma imbricatum (Fr.) Kumm.	15, 120. 121, 123
Tricholoma inamoenum (Fr.) Kumm.	15. 120, 123
Tticholoma intermedium Pk.	15
Tricholoma leucophyllum Over. & Tylut.	1. 15.28, 123
Tricholoma myomyces (Pers.) Lange	2, 15. 123
Tricholoma nigrocystidium Overbo	28
Tricholoma pardinum Quel.	15.28, 120. 121
Tricholoma ponderosum (Pk.) Sacc.	2. 15, 119, 120, 121, 122

Table 3. (cont.)

Same	Sources
Tricholoma populinum Lange	2 8
Tricholoma portentosum (Fr.) Quel.	15, 28, 120, 121, 123
Tricholoma saponaceum (Fr.) Kumm.	1, 15, 28. 120. 121. 123
Tricholoma scalpturatum (Fr.) Quel.	1, 123
Tricholoma sejunctum Quel.	28, 120, 121. 122, 116
Tricholoma sulphurescens Bres.	6, 120. 121, 123, 126
Tricholoma sulphureum (Bull.: Fr.) Kumm.	5, 123
Tricholoma terreum (Schff. ex Fr.) Kummer	120, 121, 126
Tricholoma vaccimum (Pers. ex Fr.) Kumm.	1, 15, 28. 120. 121. 133
Tricholoma vaccinum var. flavosquamosum	122
Tricholoma virgatum (Fr.) Kumm.	15.28, 120, 122
Tricholoma virgatum (Fr.) Kummer var. vinaceum Overbo	28
Tricholoma zelleri (Stuntz & Smith) Overbo & Tylutki	2. 10, 15, 28. 2, 15. 120. 121, 122
Basidiomycotina	
Ectomycorrhizal	
False Truffles	
Alpova diplophloeus f. diplophloeus (Zeller & Dodge) Trappe & Smith	114, 123
Alpova diplophloeus (Zeller & Dodge) Trappe & Smith	14, 118
Alpova mollis (Lloyd) Trappe	114
Brauniellula nanceyae Smith	14. 15, 123
Chamonixia brevicolumna Smith & Singer	117
Gastroboletus turbinatus (Snell) Smith & Sing, var. turbinatus	117
Gastroboletus turbinatus (Snell) Smith & Singer	17, 60, 65, 67
Gastroboletus turbinatus var. flammeus Smith	117
Gautieria graveolens Vitt	3. 15, 120. 123
Gautieria monticola (Harkn.) Harkn.	13. 14. 123
Gymnomyces ferruginascens Singer & Smith	124, 125
Hymenogaster subochraceous Smith	3. 15. 123
Hysterangium coriaceum Hesse	122, 123
Leucogaster rubescens Zeller & Dodge	14
Macowanites acris Singer and Smith	124
Macowanites albidigleba Singer and Smith	124
Macowanites americanus Singer and Smith	120, 124, 125
Macowanites citrinus Singer and Smith	124, 125
Macowanites fuscoviolaceus Singer and Smith	124. 125
Macowanites lilacinus Smith	124
Macowanites nauseosus Smith	124
Macowanites pinicoia smith	124
Macowanites pseudoemeticus Smith	124
Macowanites subolivaceus Smith	124
Macowanites subrosaceus Smith	124
Macowanites vinicolor Smith	124
Martellia foetens Singer and Smith	124
Martellia fragrans Smith	124
Martellia fulvispora Smith	124
Martellia idahoensis Singer and Smith	124
Martellia monticola (Hark.) Singer and Smith	124
Martellia olidus Smith	124

Table 3. (cont.)

Name	Sources
Martellia subalpina Smith	124
Martellia subochracea Smith	124
Rhizopogon abietis Smith	118
Rhizopogon albidus Smith	118
Rhizopogon albiroseus Smith	1 1 8
Rhizopogon alpestris Smith	118
Rhizopogon anomalus Smith	118
Rhizopogon arenicola Smith	118
Rhizopogon argillaceus Smith	118
Rhizopogon argillasens Smith	118
Rhizopogon auoviolaceus Smith	118
Rhizopogon aurantiacus Smith	118
Rhizopogon bacillisporus Smith	118
Rhizopogon bnmneicolor Smith	118
Rhizopogon brunneifibrillosus Smith	118
Rhizopogon brunneiniger Smith	118
Rhizopogon butyraceus Smith	118
Rhizopogon cinerascens Smith	118
Rhizopogon ciavitisporus Smith	118
Rhizopogon cokeri Smith	118
Rhizopogon colossus Smith var. colossus	118
Rhizopogon cusickiensis Smith	118
Rhizopogon cylindrisporus Smith	118
Rhizopogon deceptivus Smith	118
Rhizopogon defectus Smith	118
Rhizopogon diabolicus Smith	1 1 8
Rhizopogon evadens Smith	14
Rhizopogon evadens Smith var. evadens	118
Rhizopogon evadens var. subalpinus Smith	118
Rhizopogon fallax Smith	118
Rhizopogon flavofibrillosis Smith	118
Rhizopogon florencianus Smith	118
Rhizopogon fragrans Smith	118
Rhizopogon griseogleba Smith	15, 118
Rhizopogon hawkeri Smith	118
Rhizopogon hystemngioides Smith	118
Rhizopogon inquinams Smith	118
Rhizopogon kauffmanii Smith & Zeller	118
Rhizopogon lactiflavus Smith	118
Rhizopogon luteoalboides Smith	118
Rhizopogon luteoalbus Smith	118
Rhizopogon luteoloides Smith	118
Rhizopogon luteolus Fr. & Nordholm	118
Rhizopogon luteorubescens Smith	118, 120
Rhizopogon lutescens Smith	118
Rhizopogon masonae Smith	118
Rhizopogon milleri Smith	118
Rhizopogon moiligleba Smith	118
Rhizopogon monticola Smith	118

Table 3. (cont.)

Name	Sources
Rhizopogon obscurus Smith	118
Rhizopogon occident&is Zeller & Dodge	11. 118, 120, 122
Rhizopogon ochraceisporus Smith	118
Rhizopogon ochraceobntnnescens Smith	118
Rhizopogon ochraceorubens Smith	14. 118. 120
Rhizopogon ochroleucoides Smith	118
Rhizopogon ochroleucus Smith	118
Rhizopogon odoratus Smith	118
Rhizopogon olivaceofuscus Smith	118
Rhizopogon olivaceoluteus Smith	118
Rhizopogon oregonensis Smith	118
Rhizopogon oswaidii Smith	118
Rhizopogon parksii Smith	118, 122
Rhizopogon parvulus Smith	118
Rhizopogon pedicellus Smith	118
Rhizopogon ponderosus Smith	118
Rhizopogon proximus Smith	118
Rhizopogon pseudoaffmis Smith	118
Rhizopogon pseudoalbus Smith	118
Rhizopogon pseudoroseolus Smith	118
Rhizopogon quercicola Smith	118
Rhizopogon rogersii Smith	118
Rhizopogon roseolus Corda sensu Smith	118
Rhizopogon rubescens (Tul.) Tulasne var. rubescens Smith	15. 118, 120, 122
Rhizopogon rubescens var. ochraceous Smith	118
Rhizopogon rubescens var. pallidimaculatus Smith	118
Rhizopogon rubescens var. rileyi Smith	11. 14, 15, 118
Rhizopogon rudus Smith	118
Rhizopogon salebrosus Smith	118
Rhizopogon semireticulatus Smith	11, 15. 118
Rhizopogon separabilis Zeller	118
Rhizopogon sordidus Smith	1 1 8
Rhizopogon subareolatus Smith	118
Rhizopogon subcaerulescens Smith var. subcaerulescens Smith	14
Rhizopogon subcaerulescens Smith var. viridescens Smith	118
Rhizopogon subcaerulescens var. subpannosus Smith	118
Rhizopogon subcinnamomeus Smith	118
Rhizopogon subcitrinus Smith	118
Rhizopogon subclavitisporus Smith	118
Rhizopogon subcroceus Smith	118
Rhizopogon subgeladnosus Smith	118
Rhizopogon sublateritius Smith	118
Rhizopogon subolivascens Smith	118
Rhizopogon subpurpurascens Smith	15, 118
Rhizopogon subradicatus Smith	118
Rhizopogon subsalmonius Smith var. subsalmonius	118
Rhizopogon subsalmonius var. griseolilascens Smith	118
Rhizopogon subsalmonius var. persicinus Smith	118
Rhizopogon subsalmonius var. roseitinctus Smith	118

Table 3. (cont.)

Same	Sources
Rhizopogon subsalmonius var. similis Smith	118
Rhizopogon udus Smith	118
Rhizopogon umbrinovioiascens Smith	118
Rhizopogon variabiliosporus Smith	118
Rhizopogon ventricisporus Smith	118
Rhizopogon vesiculosus Smith	118
Rhizopogon villescens Smith	118
Rhizopogon villosulus Zeller	118
Rhizopogon vinicolor Smith	15, 118
Rhizopogon viridis Zeller & Dodge	118
Rhizopogon vulgaris (Vitt) M. Lange	118, 122
Rhizopogon zelleri Smith	118
Thaxterogaster pingue (Zeller) Singer & Smith	14, 15, 120
Truncocolumella citrina var. separabilis Smith	117
Truncocolumella ciuina Zeller	117, 3, 15
Basidiomycotina	
Ectomycorrhizal	
Polypores	
Albatrellus confluens (Alb. & Schw.: Fr.) Kotl. & Pour.	6, 17, 120, 115. 122
Albatrellus cristatus (Fr.) Kotl. & Pouz.	17, 123
Albatrellus dispansus (Lloyd) Canfield & Gilbertson	17, 99, 120, 123
Albatrellus ellisii (Berk.) Pouz.	17, 105., 115 120 .12
Albatrellus flettii (Morse) Pouz.	1. 6, 15, 17. 120. 123
Albatrellus ovinus (Fr.) Kotl. & Pouz.	17, 59, 71, 100. 120, 123
Albatrellus pescaprae (Fr.) Pouz.	17. 59. 71, 102. 123
Albatrellus sylvestris Pouzar	17, 123
Boletopsis subsquamosa (Fr.) Kotl. & Pouz.	3, 15, 17.71. 100, 102. 115, 116, 120, 122
Cantharellus cibarius Fr.	1. 15. 17. 68, 69, 71. 120, 122. 123
Cantharellus infundibuiiformis Fr.	17, 120, 122. 123
Cantharellus squamosa	120
Cantharellus subalbidus Smith & Morse	17.71, 73. 120. 122.123
Cantharellus tubaeformis Fr.	17, 68, 71, 73, 123
Cantharellus xanthopus (Pers.) Duby	17. 123
Clavulina cristata (Fr.) Schroet	2, 15. 17. 120, 122, 123
Dentinum repandum (L. ex Fr.) S. F. Gray	15. 17, 59, 89, 122. 133
Dentinum repandum var. album	120. 123
Dentinum repandum var. repandum	120
Gomphus bonari (Morse) Singer	17, 120, 123
Gomphus clavatus (Fr.) S. F. Gray	17, 68, 71, 72, 120. 122, 123
Gomphus floccosus (Schw.) Singer	120, 122, 123
Gomphus floccosus subs. rainieriensis (Smith) Singer	17. 71, 72, 73
Gomphus kauffmanii (Smith) Petersen	17, 68, 71, 120, 123
Hydnum calvatum K. Harrison	17, 120
Hydnum calvatum var. odoratum K. Harrison	17
Hydnum crassum K. Harrison	17
Hydnum fennicum (Karst.) Saccardo	17
Hydnum furnosum (Banker) Hall	17, 87, 90, 120
Hydnum fuscoindicum K. Harrison	17, 90, 94, 120

Table 3. (cont.)

Name	Sources
Hydnum imbricatum L. ex Fr.	1, 15, 17, 105, 120
Hydnum imbricatum var. monticola K. Harrison	17
Hydnum indurescens Hall & Stuntz	17
Hydnum laevigatum Fr.	17
Hydnum martioflavum Snell, Harrison & Jackson	17
Hydnum rimosum K. Harrison	15, 17. 120
Hydnum sterosacrinon (Wehmeyer) K. Harrison	17
Hydnum subincarnatum K. Harrison	17, 120
Hydnum underwoodii (Banker) Hall	17
Hydnum underwoodii var. underwoodii (Bank.) Hall & Stuntz	15
Hydnum underwoodii var. virescens K. Harrison	15
Hydnum utale	120
Lindtneria thujatsugina M. J. Larsen	116
Polyozellus multiplex (Underw.) Murr.	17, 68, 70, 71, 73, 120, 123
Radiigen atrogleba Zeller	120. 121, 123
Ramaria abietina Pers.:Fr.	17, 74, 77
Ramaria acrisiccescens Marr & S tuntze	17, 122
Ramaria amyloidea Marr & Stuntze	17
Ramaria apiculata (Fr.) Donk	5, 17, 77, 85. 119. 120
Ramaria apiculata var. apicula	119
Ramaria apiculata var. brunnea f. compacta (Bourd & Galz.) Petersen	17
Ramaria apiculata var. brunnea Petersen	17, 119
Ramaria araiospora var. araiospora Marr & Stuntz	17. 134
Ramaria araiospora var. rubella Marr & S tuntz	17
Ramaria aurantiisiccescens Marr & Stuntz	17
Ramaria aurea (Fr.) Quel.	15, 120, 131
Ramaria botrytis (Fr.) Ricken	5. 17. 120. 131
Ramaria botrytis var. aurantiiramosa Marr & Stuntz	17
Ramaria cartilaginea Marr & Stuntz	17
Ramaria ceierivirescens Marr & Stuntz	17.77
Ramaria circinans var. anceps Marr & Stuntz	17
Ramaria claviramulata Marr & Stuntz	17
Ramaria concolor (Corner) Petersen	17
Ramaria concolor f. man-ii (Pk.) Petersen	17
Ramaria concolor f. tsugina (Pk.) Petersen	17, 77, 85
Ramaria conjunctipes var. sparsiramosa Marr & Stuntz	17
Ramaria conjunctipes var. tsugensis Marr & Stuntz	17.77
Ramaria cyaneigranosa Marr & Stuntz	17
Ramaria cyaneigranosa var. elongata Marr & Stuntz	17
Ramaria cyaneigranosa var. persicina Marr & Stuntz	17
Ramaria cystidiophora var. citronella Marr & Stuntz	17.77, 122
Ramaria cystidiophora var. cystidiophora (Kauffm.) Comer	17
Ramaria cysridiophora var. fabiolens Marr & S tuntz	17, 122
Ramaria cystidiophora var. maculans Marr & Stuntz	17
Ramaria fennica var. violaceibrunnea Marr & Stuntz	17.77
Ramaria flavigelatinosa Marr & Stuntz	17
Ramaria flavigelatinosa var. camisalmonea Marr & S tuntz	17
Ramaria flavigelatinosa var. fragrans Marr & Stuntz	17
Ramaria flavigelatinosa var. megalospora Marr & Stuntz	17

Table 3. (cont.)

Name	Sources
Ramaria flavobnmnescens (Atk.) Comer	1, 131
Ramaria flavobrunnescens var. aromatica Marr & Stuntz	17
Ramaria formosa (Fr.) Quel.	17, 74, 77, 120
Ramaria fumosiavellanea Marr & Stuntz	17
Ramaria gelatiniaurantia Marr & Stuntz	17
Ramaria gelatiniaurantia var. violeitingens Marr & Stuntz	17
Ramaria gelatinosa	120
Ramaria geltinosa var. oregonensis Marr & Stuntz	17.76, 77. 122
Ramaria gomphoides	120
Ramaria gracilis (Fr.) Quel.	17. 131
Ramaria invalii (Cott. & Wake.) Donk	17
Ramaria largentii Marr and Stuntz	15, 17, 77
Ramaria leptofotmosa Marr & Stuntz	17
Ramaria longispora Marr & Stuntz	17.122, 131
Ramaria maculatipes Marr & Stuntz	17
Ramaria magnipes Marr & Stuntz	17.77
Ramaria ochraceovirens (Jungh.) Donk	5, 17
Ramaria purpurissima Petersen and Scates	127
Ramaria pusilla (Pk.) Comer	17.77
Ramaria rainieriensis Marr & Stuntz	17
Ramaria rasilispora Marr & Stuntz	17
Ramaria rasilispora var. scatesiana Max-r&Stuntz	17.77
Ramaria rubella (Schaefer) Petersen	17
Ramaria rubiginosa Marr & Stuntz	17,122
Ramaria rubribrunnescens Marr & Stuntz	17.77
Ramaria rubricarnata Marr & Stuntz	17. 77
Ramaria rubrievanescens Marr & Stuntz	17.77
Ramaria rubripermanens Marr & Stuntz	17
Ramaria sandaracina Marr & Stuntz	17. 77
Ramaria sandaracina var. chondrobasis Marr & Stuntz	17
Ramaria sandaracina var. euosma Marr & Stuntz	17
Ramaria sanguinea (Pers. ex Secr.) Quel.	120. 131
Ramaria stillingeri	120
Ramaria strasseri (Bres.) Corner	17, 134
Ramaria saicta (Fr.) Quel.	17.77, 82. 120, 131
Ramaria stricta v. concolor Stuntz & Marr	15
Ramaria stuntzii Marr	17
Ramaria suecica (Fr.) Donk	17, 119
Ramaria synaptopoda Marr & Stuntz	17
Ramaria testaceo-flava (Bres.) Corner	122, 134
Ramaria testaceo-flava var. brunnea (Zeller) Marr & Stuntz	17
Ramaria velocimutans Marr & Stuntz	17.77, 122
Ramaria verlotensis Marr & Stuntz	17
Ramaria vinosimaculans Marr & Stuntz	17.77, 122
Sarcodon fuligineo-violaceum (Kalchb.)	13. 131
Sarcodon imbricatus (L.:Fr.) Karst.	122,131
Scleroderma fumosa Zeller	9
Scleroderma hypogaeum	120, 122. 123
Thelephora terrestris Ehrh. ex Fr.	15, 120, 131

Table 3. (cont.)

Name	Sources
Basidiomycoxa	
Saprotrophic	
Gilled Mushrooms	
Xgaricus abruptibulbus Pk.	122, 126
Agaricus albolutescens Zeller	15,121. 123
'Xgaricus arvensis var. arvensis	121
Agaricus augustus Fr.	1. 15, 120, 123
Agaricus benesii Pilat.	59. 120, 126
Agaricus bisporus	121, 123
Agaricus campestris L. ex Fr.	2, 15. 120, 121. 122. 123
Agaricus cervinifolius Zeller	59. 120, 121
Agaricus crocodilinus	120, 121. 123
Agaricus diminutivus	120,121, 123
Agaricus hondensis Murr.	1. 15. 123
Agaricus hortensis (Cke.) Pilat.	59, 120. 126
Agaricus macroporus (Moell. et Schff.) Pilat	121, 126
Agaricus meleagris J. Schaeff.	10, 121, 123. 1'3
Agaricus nivescens (Moell.) Moell.	121, 132. 126
Agaricus pen-at-us Schulz.	6. 120, 123
Agaricus rodmani Pk.	15, 123
Agaricus semotus Fr.	10. 123
Agaricus silvaticus	15, 120. 121. 123
Agaricus silvicola (Vitt.) Pk.	1, 15. 120. 121, 123
Agaricus subrutilescens (Kauff.) Hots. & Stuntz	2, 15, 123
Agaricus xanthoderma Gen.	121, 126
Agrocybe acericola (Pk.) Sing.	2. 15. 123
Agrocybe erebia (Fr.) Kuhner apud Sing.	1, 120, 121. 123
Agrocybe pediades (Pers. ex Fr.) Fayod	1,12,122.-,123
Agrocybe praecox (Pers.; Fr.) Fayod	6, 121 123
Agrocybe semiorbicularis (Bull. ex Fr.) Fay.	121, 126
Alboleprania sericella	1 2 1 , 1 2 3
Armillaria albolanaripes Atk.	2, 119, 120. 121. 122. 123
Armillaria albolanaripes f. albolanaripes Atk.	15, 123
Armillaria arenicola Murrill	15
Armillaria bulbosa (Barla) Kile & Watling	9. 123
Armillaria caligata	1 2 0 , 1 2 1 . 1 2 3
Armillaria fusca Mitchel & Smith	15. 123
Armillaria pitkinensis Mitchel & Smith	15. 123
Armillaria straminea var. americana Mitchel & Smith	15, 123
Armillariella mellea (Vahl ex Fr.) Karst.	1, 15, 120, 121. 122, 123
Auriscalpium vulgare S. F. Gray	17.89, 119, 123
Baeospora myosura (Fr.) Singer	12.62, 120. 126
Baeospora myriodophylla (Pk.) Singer	62
Bolbitius vitellinus Fr.	15, 121, 123
Calocybe carnea (Bull. ex Fr.) Donk	121, 123, 126
Calocybe fallax (Sacc.) Sing. ex Redh. & Sing.	6
Cantharellula umbonata (Gmel. ex Fr.) Sing.	120. 121, 122. 123
Cheimonophyllum candidissimum (Berk. & Curt.) Sing.	119, 120, 121, 122.123, 126

Table 3. (cont.)

Name	Sources
Clitocybe abigena	120, 121
Clitocybe adustiterricola Bigelow	23
Clitocybe albidula Pk.	15.23
Clitocybe albirhiza Bigelow & Smith	1, 15.23
Clitocybe alexandri (Gillet) Gillet	23
Clitocybe alnicola Bigelow	24
Clitocybe alutaceotincta Bigelow	24
Clitocybe americana Bigelow	2 3
Clitocybe angustifolia (Kauffm.) Bigelow	23
Clitocybe arvalis Bigelow	24
Clitocybe atrobrunnea Bigelow	24
Clitocybe atroviridis Bigelow	23, 24, 59, 126
Clitocybe avellaneialba Murr.	23, 120, 121. 122. 123
Clitocybe avellaneifolia Bigelow.	24
Clitocybe badioferruginea Bigelow	24
Clitocybe candicans (Fr.) Kumm.	23, 123, 126
Clitocybe caperata Bigelow	23
Clitocybe catervata Bigelow	23
Clitocybe celata Bigelow	23
Clitocybe cereoceps Bigelow	2 3
Clitocybe cerussata (Fr.) Kumm.	23
Clitocybe cerussata var. cerussata	120, 121
Clitocybe clavipes (Pers. ex Fr.) Kummer	23, 120, 121, 122. 126
Clitocybe coacta Bigelow	24
Clitocybe concava (Scop. ex Fr.) Gillet	24, 126
Clitocybe coniferophila Bigelow	2, 15, 23
Clitocybe crassa Bigelow & Smith	23
Clitocybe crenulata Bigelow	24
Clitocybe cyathiformis (Fr.) Kumm.	24, 123
Clitocybe dealbata (Fr.) Kumm. ssp. sudorifica (Pk.) Bigelow	23
Clitocybe dealbata (Sow. ex Fr.) Kummer	121. 123. 126
Clitocybe deceptiva Bigelow	23, 121, 122, 123
Clitocybe densifolia (Favre) Bigelow & Smith	23
Clitocybe diatreta (Fr.) Kumm.	15.23
Clitocybe dilatata Pers. ex Karst.	10, 23, 120. 121, 122, 123
Clitocybe ciitopa (Fr. ex Fr.) Gillet	24, 120, 121,126
Clitocybe epichysium (Fr.) Bigelow	3.24, 123
Clitocybe epigaea Bigelow	24'
Clitocybe fasciculata Bigelow & Smith	23, 123
Clitocybe fellea Pk.	24, 120, 121
Clitocybe flaccida (Fr.) Kumm.	24, 121
Clitocybe geoaopa (St Amans) Quel.	24
Clitocybe gerardiana (Pk.) Sacc.	24
Clitocybe gibba (Fr.) Kummer var. gibba	24, 120, 121
Clitocybe gibba var. maxima	120, 121, 123
Clitocybe gigantea (Fr.) Quélet	2 3
Clitocybe gilvaoides Kauffm.	24
Clitocybe glaucocana (Bres.) Bigelow & Smith	23
Clitocybe glutiniceps Smith	23

Table 3. (cont.)

Name	Sources
Clitocybe gracilis (Bigelow & Smith) Harmaja	24, 126
Clitocybe griseifolia Murr.	23
Clitocybe harper-i Murr.	23, 123
Clitocybe idahoensis Bigelow	23
Clitocybe impolita Bigelow	23
Clitocybe inomata ssp. occidentalis Bigelow	23
Clitocybe intermedia Kauffm.	24, 120. 121
Clitocybe inversa (Fr.) Quél.	24, 120. 121, 123
Clitocybe irina (Fr.) Bigelow & Smith	1, 15.23. 120
Clitocybe irina Fr. var. irina	121. 123
Clitocybe irina var. luteospora Bigelow & Smith	23
Clitocybe kalchbrenneri (Bres.) Raithelhuber	24, 126
Clitocybe leopardina Bigelow	23
Clitocybe leptoloma (Pk.) Pk.	23
Clitocybe madefacta Bigelow	24
Clitocybe martiorum Favre	24
Clitocybe maxima (Fr.) Kumm.	24. 120, 121, 122
Clitocybe metachroa (Fr.) Kurnm.	24
Clitocybe mitis Bigelow	15.24
Clitocybe multicarpa Bigelow	24
Clitocybe murina Bigelow	24
Clitocybe mutabilis Bigelow	2. 15, 24
Clitocybe nebularis (Fr.) Kumm.	15.23. 120. 121. 123
Clitocybe nuda (Fr.) Bigelow & Smith	2, 15, 23, 123
Clitocybe obsoleta (Fr.) Quél.	23 123
Clitocybe odora (Bull. ex Fr.) Kumm.	1: 21, 123
Clitocybe odora (Fr.) Kumm. var. odora	23, 120
Clitocybe odora (Fr.) Kummer var. pacifica Kauffman	10. 23, 120, 121
"itocybc (Fr.) Raithelhuber	2-
ocybe oregonensis Murr.	24
itocybe pallidipes Bigelow	24
Clitocybe utelliformis Bigelow	23
Clitocybe payettensis Bigelow	24
Clitocybe peltigerina (Pk.) Sacc.	24
Clitocybe phyllophila (Fr.) Kumm.	23
Clitocybe praemagna (Murr.) Bigelow & Smith	3. 15, 23, 123
Clitocybe profundidisca Bigelow	24
Clitocybe pseudodicolor Raithelhuber	24
Clitocybe pseudoirina Bigelow & Smith	2, 15.23
Clitocybe pseudomarginella Bigelow	3, 15, 23
Clitocybe pubescenetipes Bigelow	24
Clitocybe pungens Bigelow	24
Clitocybe pyxidata (Fr.) Singer	24
Clitocybe rainierensis Bigelow	2 4
Clitocybe ramigena Bigelow	23
Clitocybe robusta Pk.	2, 15. 23, 120, 123. 126
Clitocybe saeva (Fr.) Bigelow & Smith	23, 123
Clitocybe sclerotoidea (Morse) Bigelow	23. 120
Clitocybe senilis (Fr.) Gillet	23, 121

Table 3. (cont.)

Name	Sources
Clitocybe septentrionalis (Sing. & Smith) Bigelow	23, 123
Clitocybe sinopica (Fr.) Kumm. var. sinopica	24, 121. 123
Clitocybe smithii Bigelow	23
Clitocybe sparsivestita Bigelow	24
Clitocybe squamulosa	120, 121. 123
Clitocybe squamulosa (Fr.) Kummer var. montana Bigelow	9, 24
Clitocybe squamulosa var. sicca Bigelow	24
Clitocybe squamulosa var. squamulosa (Fr.) Kumm.	15, 123
Clitocybe striatula (Kuelmer) Orton	2, 24
Clitocybe subalpina Bigelow & Smith	23, 123
Clitocybe subcanescens Bigelow	23
Clitocybe subclavipes Murr.	2 3
Clitocybe subconnexa Murr.	23, 105. 120. 121, 123
Clitocybe subditopoda Pk.	24
Clitocybe sublutea Smith	23
Clitocybe subsalmonea Lamoure	24, 126
Clitocybe subsocialis Pk.	24
Clitocybe subvelosa Smith & Stuntze	24
Clitocybe tarda Pk. Bull.	23, 123
Clitocybe tarda var. tarda Pk.	15, 123
Clitocybe tenuissima Romagnesi	23
Clitocybe thujana Bigelow	23
Clitocybe mtllaeformis (Fr.) Qutl.	23
Clitocybe umbrinipes Bigelow & Smith	23
Climcybe variabilis Murr.	23
Clitocybe variispora Bigelow	24
Clitocybe vermicularis subsp. americana Bigelow	23
Clitocybe vibecina	120, 121
Clitocybula abundans	120, 121
Clitocybula atrialba (Murrill) Singer	24, 120, 121. 123
Clitocybuh familia (Pk.) Sing.	6, 120. 121, 122. 123
Clitopilus prunulus	121, 122.123
Collybia acervata (Fr.) Kumm.	1, 15, 120, 121, 123
Collybia alkalivirens Singer	120, 121. 122. 128, 138
Collybia asema (Fr.) Gillet	15, 120. 121, 123
Collybia butyracea (Bull. ex Fr.) Kumm.	1, 15, 120, 121. 122, 123
Collybia confluens (Pers. : Fr.) Kummer	120, 121. 122, 123, 126, 138
Collybia cookei (Bres.) Arnold	121. 123, 138
Collybia distorta	120, 121, 123
Collybia dryophiia (Fr.) Quel.	6. 15. 119. 120. 121, 123. 138
Collybia vitellina	120
Conocybe lactea (Lge.) Metr.	121, 123, 126
Conocybe tenera (Schaeff.: Fr.) Kuhn.	5, 121. 122, 123
Coprinus atramentarius (Fr.) Fr.	15, 120, 121, 122.123
Coprinus bisporus J. Lge.	121, 126
Coprinus cinereus (Schff. ex Fr.) S. F. Gray	121, 123,126
Coprinus comatus (Muller ex Fr.) S. F. Gray	1. 120, 121, 122, 123
Coprinus comatus var. comatus (Mull. ex Fr.) S. F. Gray	15
Coprinus comatus var. excentricosi Van deB.	1 5

Table 3. (cont.)

Name	Sources
Coprinus iietarius (L.) Fr.	15, 123
Coprinus lagopus	120, 121, 123
Coprinus micaceus (Fr.) Fr.	15, 120, 121, 122, 123
Coprinus narcoticus (Batsch ex Fr.) Fr.	15. 123
Coprinus niveus (Pers. ex Fr.) Fr.	15, 121, 123
Coprinus parvisporus Buller	15
Coprinus patouillardi Quél.	15. 126
Coprinus plicatilis (Curt. ex Fr.) Fr.	122. 126
Coprinus radiatus	121
Coprinus stellatus Buller	15
Crepidotus amygdalosporus Kuehner	22, 126
Crepidotus applanatus (Pers.) Kumm. var. applanatus sensu Joss.	22
Crepidotus cinnamomeus Hesler & Smith	22
Crepidotus circinatus Hesler & Smith	22
Crepidotus contortas Hesler & Smith	22
Crepidotus crocophyllus (Berk.) Sacc.	22. 126
Crepidotus ellipsoideus Hesler & Smith	22
Crepidotus fimbriatus Hesler & Smith	22
Crepidotus fusisporus var. fusiporus Hesler & Smith	22
Crepidotus fusisporus var. simplex Hesler & Smith	22
Crepidotus herbarum (Pk.) Sacc.	22. 126
Crepidotus lagenicystis Hesler & Smith	22
Crepidotus lanuginosus Hesler & Smith	22
Crepidotus malachius var. trichiferus Hesler, & Smith	22
Crepidotus mollis (Fr.) Staude var. mollis	22
Crepidotus montanensis Hesler & Smith	22
Crepidotus occidentalis Hesler & Smith	22
Crepidotus ochraceus Hesler & Smith	22
Crepidotus pallidoluteus Hesler & Smith	22
Crepidotus payettensis Smith	5, 22
Crepidotus pseudoflammeus Hesler & Smith	22
Crepidotus pubescens Bres. sensu Kuhner & Romagn.	22
Crepidotus rainierensis Hesler & Smith	22
Crepidotus regularis Hesler & Smith	22
Crepidotus stratosus Hesler & Smith	22
Crepidotus subapplanatus Hesl. & Smith	15. 123
Crepidotus submollis Murr.	22
Crepidoms subsphaerosporus (Lange) Kuehner & Romagn.	22, 126
Crepidotus sububer Hesler & Smith	22
Crepidotus subverrucisporus Pilat var. subverrucisporus	22
Crepidotus subverrucisporus var. roseifolius Hesler & Smith	22
Crepidotus variabilis var. trichocystis Hesler & Smith	22
Crepidotus villosus Hesler & Smith	22
Cyptoaama chrysopeplum (Berk. & Curt.) Sing.	15, 123
Cystoderma adantifolium	120
Cystoderma amianthinum (Scop. ex Fr.) Fay. var. rugoso-reticulatum	120, 123, 126
Cystoderma amianthinum (Scop. ex Fr.) Fayod	15, 119, 120, 123
Cystoderma cinnabarinum (A. & S. ex Secr.) Fayod	15, 126, 128
Cystoderma fallax Smith & Sing.	15. 120, 123

Table 3. (cont.)

Name	Sources
Cystoderma granulosum (Batsch ex Fr.) Fayod	3, 15, 119, 120, 123
Cystodetma gruberianum Smith	120,128
Entoloma mammosum (Fr.) Hesler	121, 123.126
Entoloma sericeum (Bull. ex M&at) Quél.	15.120, 121,126
Entoloma serrulatum (Pers. ex Fr.) Hesler	120, 121. 123, 126
Entoloma sinuatum (Bull. ex Fr.) Kummer	1, 120, 121, 126
Flammulina velutipes (Curt. ex Fr.) Karst.	1, 15, 62,120, 123
Galerina acicola Smith & Singer	25
Galerina agloea Smith & Singer	25
Galerina anelligera Smith & Singer	25
Galerina atkinsoniana Smith var. atkinsoniana	25
Galerina autumnalis '(pk.) Smith & Sing.	1, 5, 24, 119, 120, 123
Galerina autumnalis var. angusticystis Smith	25
Galerina badipes (Fr.) Kuhner	25.126
Galerina borealis Smith & Singer	25
Galerina brunneimarginata (Murrill) Smith & Singer	25
Galerina camerina (Fr.) Kuhn.	25,126
Galerina camerinoides Smith	25
Galerina cascadensis Smith & Singer	25
Galerina castanescens Smith & Singer	2 5
Galetina cedretorum (Maire) Singer	25, 120, 123,126
Galerina cedretorum var. bispora Smith & Singer	2 5
Galerina cedretorum var. filiformis Smith & Singer	25
Galerina cerina Smith & Singer	25
Galerina cerina var. brachycystis Smith & Singer	25
Galerina cerina var. bresadolae Smith & Singer	25.126
Galerina cerina var. longicystis Smith & Singer	25
Galerina cerina var. luteovelata f. luteovelata Smith & Sing.	25
Galerina cerina var. luteovelata f. occidentalis Smith & Sing.	25
Galerina cinnamomea Smith & Singer	25
Galerina cortinarioides Smith	25
Galerina decipiens var. separans Smith & Singer	25
Galerina diabolissima Smith	25
Galerina dimorphocystis Smith & Singer	25,126
Galerina evelata var. fulvipes Smith & Singer	25
Galerina fallax Smith & Singer	25
Galerina fibrillosa Smith	25
Galerina fontinalis Smith	25
Galetina funariae Smith & Singer	25
Galerina fuscobrunnea Smith	25
Galerina heterocystis (Atk.) Smith & Singer	25
Galerina insignis Smith	25
Galex-ina jaapii Smith & Singer	25
Galerina lacustris Smith	25
Galerina lateritia (Murr.) Singer	25
Galerina laticeps Smith	25
Galerina latispora Smith & Singer var. latispora	25
Galerina mammillata (Murr.) Smith & Singer	25.120
Galerina megalocystis Smith & Singer	25

Table 3. (cont.)

Name	Sources
Galerina minima (Pk.) Smith & Singer	25
Galerina mniophila (Lasch) Kuhner	25, 126
Galerina moelleri Bas	10, 126
Galerina mollis Smith & Singer var. latifolia Smith	25
Galerina mollis Smith & Singer var. mollis	25
Galerina mycenoides (Fr.) Kuhn.	120. 126
Galerina nordmaina Smith & Singer	2 5
Galerina occidentalis Smith	25
Galerina odora Smith	25
Galerina oregonensis Smith	25
Galerina oreina Smith & Singer	25
Galerina paludosa (Fr.) Kuhner	25
Galerina payettensis Smith & Singer	25
Galerina perplexa Smith	25
Galerina pistillicystis (Atk.) Smith & Singer	25
Galerina pruinatipes Smith	25
Galerina pseudostylifera Smith	25
Galerina pteridicola Smith	25
Galerina pubescentipes Smith & Singer	25, 120
Galerina pulchra Smith & Singer	25
Galerina pumila (Pers. ex Fr.) M. Lange ex Sing.	25, 126
Galerina pumila (Pers. ex Fr.) M. Lange var. subalpina Smith	25
Galerina rainierensis Smith	25
Galerina rudericola Smith	25
Galerina rugisperma Smith	25
Galerina semilanceata (Pk.) Smith & Singer	25
Galerina sideroides (Fr.) Kuhner	25, 122
Galerina stylifera (Atk.) Smith & Singer	25
Galerina stylifera var. badia Smith & Singer	25
Galerina stylifera var. velosa Smith & Singer	25
Galerina subbadia Smith & Singer	25
Galerina subdecurrens Smith	25
Galerina subfiliformis Smith	25
Galerina subglabripes Smith & Singer	25
Galerina subochracea Smith	25
Galerina tatooshiensis Smith	25
Galerina tibiicystis	119
Galerina triscopa (Fr.) Kuhner	25
Galerina triscopa (Fr.) Kuhner var. triscopa f. longicystis Smith & Singer	25
Galerina tundrae Smith & Singer	25
Gaierina umbrinipes Smith	25
Galerina unicolor (Fr.) Sing.	5, 25. 120, 126
Galerina vaccinii Smith	25
Galerina vialis Smith	25
Galerina vittaeformis (Fr.) Moser	10.25. 120. 126
Galerina vittaeformis var. albescens Smith & Sing.	25
Gerronema chrysophyllum (Fr.) Sing.	119, 120. 126
Gerronema luteicolor	120
Gerronema marchanteae Singer & Clemoncon	13. 126

Table 3. (cont.)

Name	Sources
Gymnopilus flavidellus Murr.	15, 123
Gymnopilus hybridus (Fr. : Fr.) Singer	10, 126
Gymnopiius junonius (Fr.) Orton	120, 123
Gymnopilus liquiritae (Pers. ex Fr.) Karst	5,126
Gymnopiius penetrans (Fr. ex Fr.) Murr.	120, 126
Gymnopihts picreus (Pers. ex Fr.) Karst.	120,126
Gymnopilus punctifolius (Pk.) Sing.	15, 120; 123
Gymnopihts sapineus (Fr.) R. Marie	5, 120, 123
Gymnopiius spectabilis (Fr.) Sing.	120, 126
Gymnopilus terrestris Hesler	3.9. 15. 120. 123
Hohenbueheiia atrocaerulea var	119
Hohenbuehelia petaloides (Bull. ex Fr.) Schulz.	15, 120.123
Hygrophoropsis aurantiaca (Fr.) R. Marie	5, 119. 120, 121. 122, 123
Hygrophoropsis olida	120
Hygrophorus acutoconicus (Clements) Smith var. acutoconicus	19
Hygrophorus acutus Smith & Hesl.	19
Hygrophorus albicarneus Smith & Hesl.	19
Hygrophorus atro-otivaceus Smith & Hesl.	19
Hygrophorus autoconica (Clements) Singer	15, 123
Hygrophorus cantharellus (Schw.) Fr.	1, 15
Hygrophorus ceraceus (Fr.) Fr.	19
Hygrophorus chlorophanus (Fr.) Fr.	19
Hygrophorus citrinopallidus Smith & Hesl.	19
Hygrophorus coccineus (Fr.) Fr. sensu Rickcn	19
Hygrophorus conicus (Fr.) Fr.	1, 19,15, 120. 123
Hygrophorus cuspidatus Pk.	19
Hygrophorus flavescens (Kauffm.) Smith & Hesl.	19
Hygrophorus hondurensis (Murr.) Murr.	19
Hygrophorus konradii (Clements) Singer	9
Hygrophorus laetus (Fr.) Fr.	19. 120
Hygrophorus marginatus Pk. var. marginatus	19
Hygrophorus miniatus (Fr.) Fr. var. miniatus	19. 120
Hygrophotus minutulus Pk.	19
Hygrophorus nigrescens (Quelet) Kuhner	9
Hygrophorus parvulus Pk.	19. 120
Hygrophotus psittacinus (Fr.) Fr. var. psittacinus	19
Hygrophorus psittacinus (Fr.) Karsten	9. 120, 123
Hygrophorus puniceus (Fr.) Fr.	19
Hygrophorus reai (Maire) J. Lange	9,19, 123
Hygrophorus sciophanus (Fr.) Karsten	9
Hygrophorus singeri Smith & Hesl. var. singeri Smith and Hesler	19
Hygrophorus squamulosus Ellis & Ev.	19
Hygrophorus subceraceus (Murr.) Murr.	19
Hygrophorus turundus (Fr.) Fr. var. turundus	19, 120
Hygrophorus unguinosus (Fr.) Fr. var. unguinosus	19
Hypholoma capnoides (Fr.) ex Fr. Kumm.	1,119. 120, 121, 122,126
Hypholoma elongatipes Peck	122, 126
Hypholoma fasciculare (Huds. ex Fr.) Kummer	3, 15, 119 120, 121, 126
Hypholoma sublateritium (Fr.) Quel.	1.15, 120, 123,126

Table 3. (cont.)

Name	Sources
Lentinellus cochleatus (Fr.) Karst.	5, 121, 123
Lentinellus montanus 0. K. Miller	2, 15, 123
Lentinellus omphalodes (Fr.) Karst.	120, 121, 122, 135
Lentinellus ursinus (Fr.) Kuhn.	121. 135
Lentinellus vulpinus	120, 121, 123
Lentinus lepideus (Fr. ex Fr.) Fr.	15, 120, 121, 122. 123
Lentinus ponderosus 0. K. Miller	1, 15, 120, 121, 123
Lepiota acutesquamosa (Weinm.) Kumm.	15. 121. 123
Lepiota clypeolaria (Bull. ex Fr.) Kumm.	3. 15. 120, 121, 122. 123
Lepiota cristata (A. & S. ex Fr.) Kurnmer	120. 121, 122,126
Lepiota felina Quel.	6, 120. 121, 123
Lepiota fusispora	105
Lepiota ventriosospora Reid	6, 126
Lepista inversa (Scop. ex Fr.) Pat.	121. 126
Lepista nuda (Bull. ex Fr.) Cke.	121. 126
Lepista saeva	121
Leucoagaricus naucina	120. 121. 122, 123
Lyophyllum decastes (Fr.) Sing.	5. 119, 120. 121. 123
Lyophyllum fumosum (Pers. ex Fr.) Kuehn.& Romagn. ex Orton	24. 120, 121, 126
Lyophyllum infumatum	120
Lyophyllum montanum Miller	2. 15. 123
Lyophyllum rancidum (Fr.) Sing.	120. 135
Lyophyllum semitale	120. 121, 123
Macrocystidia cucumis (Pers. ex Fr.) Heim	120, 121, 126
Macrolepiota rhacodes (Vitt.) Sing.	120, 121, 122, 123
Marasmius androsaceus (L. ex Fr.) Fr.	1, 6, 119, 120, 121. 122, 123
Marasmius globularis Fr.	121, 126
Marasmius oreades (Bolton ex Fr.) Fr.	121, 122, 134
Marasmius scorodonius (Fr.) Fr.	120, 127
Marasmius splachnoides Fr.	121. 126
Marasmius thujinus Pk.	1. 5. 123
Melanoleuca brevipes (Fr.) Pat.	5. 123
Melanoleuca cognata (Fr.) Kuhner & Maire	10, 120, 121, 122, 123
Melanoleuca evenosa (Sacc.) Konr.	15, 121. 123
Melanoleuca graminicola (Vel.) Kuhn. & Maire	15. 120, 123
Melanoleuca melaleuca (Pers. ex Fr.) Maire	13, 120. 121, 123
Melanoleuca microspora Gillm. & 0. K. Miller	5
Melanoleuca pallida Gillman & 0. K. Miller	6
Melanoleuca utahensis Gillman & McKnight	6
Melanophyllum echinatum (Roth ex Fr.) Sing.	120, 121, 123. 126
Microcollybia cirrhata (Pers. ex Pers.) Lennox	62. 119, 120, 121. 122
Microcollybia racemosa (Pers. ex Fr.) Lennox	62. 120, 12, 123
Micromphale perforans (Hofm. & Fr.) Sing.	121, 126
Mycena adonis (Bull.: Fr.) S. F. Gray	6. 27,, 121
Mycena albicolor Smith	27
Mycena albidula (Pk.) Smith	27, 120, 121, 123
Mycena alcalina (Fr.) Kumm.	1, 15, 27, 120, 121
Mycena alcaliniformis Murr.	27
Mycena algeriensis R. Maire in Kuhner	27

Table 3. (cont.)

Name	Sources
Mycena amabilissima (Pk.) Saccardo	9, 27. 119, 120, 121, 122. 123
Mycena amicta (Fr.) Quel.	27
Mycena atroalboides (Pk.) Sacc.	27
Mycena aurantiidisca Murr.	27,120, 121, 122
Mycena aurantiomarginata (Fr.) Quel.	27
Mycena bisphaerigeta Lange	27, 120, 121
Mycena capillaripes Pk.	27,122
Mycena capillaris (Fr.) Quel.	27
Mycena cinerella Karsten	27
Mycena citrinomarginata Gillet	27
Mycena clavicularis (Fr.) Gillet	27 120, 121, 123
Mycena corticalis Smith	27'
Mycena crispula (Quel.) Kuhner	27
Mycena debilis (Fr.) Quel.	27
Mycena delectabilis (Pk.) Sacc.	2 7
Mycena delicateha Pk.	27, 120, 121
MyceM elegans (Fr.) Quel.	2 7
Mycena elegantula Pk.	27. 120. 121,122
MyceM epipterygia (Scop. ex Fr.) S. F. Gray	5, 27, 119. 120. 132. 123
Mycena epipterygia (Scop. ex Fr.) S. F. Gray var. lignicoh	121
Mycena epipterygia (Scop. ex Fr.) S. F. Gray var. typica	121
MyceM epipterygioides Pearson	27, 120, 121
Mycena excisa (Lasch) Gillet	27
Mycena filopes (Fr.) Quel.	27
Mycena flavoalba (Fr.) Quel.	6. 15, 27
Mycena fragillima Smith	27
Mycena galericulata (Scop. ex Fr.) S. F. Gray	15.27, 120, 121. 123
Mycena gracilis (Quel.) Kuhner	27.121
MyceM griseiconica Kauffm.	27
Mycena griseoviridis Smith	27,122
Mycena haematopus (Fr.) Kummer	5.27. 119. 120. 131, 122, 123
Mycena hiemalis (Fr.) Quel.	120
Mycena inclinata (Fr.) Quel.	27,121
Mycena iodiolens Lundell	27, 120, 121
Mycena junicola (Fr.) Gillet	27
Mycena kauffmaniana Smith	27
Mycena laevigata (Lasch) Quel.	27
Mycena latifolia (Pk.) Sacc.	27
Mycena leptocephala (Fr.) Gillet	27.121, 122.123
Mycena lilacifolia (Pk.) Smith	15.27, 120
Mycena maculata Karsten	27.120, 121,122
Mycena magna Murrill	27
Mycena margaritispora Lange	27
Mycena marginella (Fr.) Quel.	27
Mycena metata (Fr.) Quel.	27
Mycena misera (Fr.) Smith	27
Mycena monticola Smith	27
Mycena occidentalis Murrill	27,120, 121,123
Mycena odorifera (Pk.) Sacc.	27

Table 3. (cont.)

Name	Sources
Mycena olivaceobrunnea Smith	27
Mycena oregonensis Smith	27, 120
Mycena osmundicola Lange	27
Mycena overhohsii Smith & Solheim	2, 15
Mycena parabolica (Fr.) Quel.	27
Mycena pelianthina (Fr.) Quel.	27, 120
Mycena piceicola Smith	27
Mycena piumbea (Fr.) Sacc.	120
Mycena plumbea (Fr.) Sacc. var. robusta Smith	27
Mycena pseudoclavicularis Smith	27
Mycena pseudotenax Smith	27
Mycena pterigena (Fr.) Quel.	27, 120
Mycena pura (Fr.) Quel.	1, 15. 27, 120, 121. 122
Mycena purpureafusca (Pk.) Sacc.	27. 120, 121. 123
Mycena pusilla Smith	27
Mycena pusillissima (Pk.)	27
Mycena quinaultensis Kauffm. in Smith	27
Mycena rorida (Fr.) Quel.	27, 119
Myccna roseipallens Murr.	27
Mycena rosella (Fr.) Quel.	27, 120, 121, 122
Mycena rubromarginata (Fr.) Quel.	27
Mycena rugulosiceps (Kauffm.) Smith	27
Mycena rutilantiformis Murr.	27
Mycena sanguinolenta (Fr.) Quel.	27
Mycena scabripes Mm-r.	27
Mycena speirea (Fr.) Gillet	27
Mycena stannea (Fr.) Quel.	27. 120. 121, 123
Mycena strobilica Favre & Kuhn.	15
Mycena strobilinoides Pk	27. 122
Mycena stylobates (Fr.) Quel.	27
Mycena subaquosa Smith	27
Mycena subcana Smith	27
Mycena subplicosa Karsten	27
Mycena subsanguinolenta Smith	27
Mycena subvitrea Smith	27
Mycena swartzii (Fr.) Smith	27
Mycena tenax Smith	27
Mycena tenella (Fr.) Quel.	27, 120, 121
Mycena viridimarginata Karsten	27
Mycena viscosa (Sec.) Maire	27
Mycena vitilis (Fr.) Quel.	27
Myxomphalia maura (Fr.) Hora	121. 122
Naematoioma dispersum	119, 120, 121, 122, 123
Naematoloma squalidellum	120. 121, 123
Omphalina chrysophylla	121. 122. 123
Omphalina ectypoides (Pk.) Bigelow	120, 121, 122, 123
Omphalina epichysium (Pers. ex Fr.) Quel.	15, 120, 121. 123
Omphalina ericetorum (Pers. ex Fr.) M. Lge.	120, 121, 122, 123, 126
Omphalina hohensis	122

Table 3. (cont..)

Name	Sources
Omphalina luteicolor	121, 122
Omphalina postii (Fr.) Sing.	120, 121, 123, 126
Omphalina umbellifera	120
Oudemansiella longipes (Bull. ex St. Ammans) Mos.	15
Oudemansiella radicata (Relhan ex Fr.) Sing.	121, 123
Panaeolus campanulatus	121, 123
Panaeolus campanulatus (Bull. ex Fr.) Quel.	1, 15, 120, 121, 123
Panaeolus foenisecii	121, 122, 123
Panaeolus semiovatus (Fr.) Lund. & Nannf.	15, 120, 121
Panaeolus solidipes	121, 123
Panaeolus sphinctrinus	120, 121. 122
Panellus mitis (Fr.) Sing.	119. 123
Panellus serotinus (Fr.) Kuhner	119, 120, 121, 122, 123
Paxillus panuoides Fr.	119, 120, 121, 123
Pholiota abietis	120, 121, 123
Pholiota abruptibulba Smith & Hesler	26
Pholiota acutoconica Smith & Hesler	26
Pholiota agglutinata Smith and Hesler	26
Pholiota albivelata Murr.	26
Pholiota alnicola	120. 121, 123
Pholiota astragalina (Fr.) Singer	26, 120. 121. 122. 123
Pholiota atripes Smith & Hesler	26
Pholiota aurantioflava Smith & Hesler	26
Pholiota aurea (Fr.) Kummer	26
Pholiota aurivella (Fr.) Kumm.	26, 120. 121
Pholiota aurivelloides Overh.	15.26
Pholiota avellaneifolia Smith and Hesler	26
Pholiota bakerensis Smith & Hesler	26
Pholiota baptistii Smith & Hesler	26
Pholiota brunnea Smith & Hesler	26
Pholiota brunnescens Smith	26, 119. 120, 121, 123
Pholiota canescens Smith & Hesler	26
Pholiota carbonaria Smith	5.26. 120, 121, 122
Pholiota confragosa (Fr.) Karsten	26
Phoiiota conica Smith & Hesler	2 6
Pholiota crassipedes Smith & Hesler	26
Pholiota curcuma (Berk. & Curt) Singer, var. curcuma	26
Pholiota decorata (Murr.) Smith & Hesler	15. 119. 120, 121
Pholiota decorata (Murr.) var. decorata Smith & Hesler	26
Pholiota destruens (Brond) Gillet	1, 15. 26. 119, 120, 121, 122
Pholiota elongatipes (Pk.) Smith & Hesler	26
Pholiota ferruginea Smith & Hesler	26
Pholiota ferrugineo-lutescens Smith & Hesler	26
Pholiota fibrillisipes (Murr.) Smith & Hesler	2 6
Pholiota filamentosa (Fr.) Herpel	13.26
Pholiota flammans (Fr.) Kumm.	5, 26, 120, 121
Pholiota flavopallida Smith & Hesler	26
Pholiota fulviconica (Murr.) Smith & Hesler	26
Pholiota fulvodisca Smith & Hesler	26

Table 3. (cont.)

Name	Sources
Pholiota fulvozanata Smith & Hesl.	6, 26
Pholiota gruberi Smith & Hesl.	26
Pholiota hiemalis Smith & Hesl.	26
Pholiota highlandensis (Pk.) Smith & Hesl.	2, '15. 26. 120, 121, 122
Pholiota humidicola (Murr.) Smith & Hesler	26
Pholiota humii Smith & Hesl.	5, 26
Pholiota lenta (Fr.) Singer	119
Pholiota limonella (Pk.) Saccardo	119, 120. 122
Pholiota lubrica (Fr.) Sing.	15, 26. 120. 121, 132
Pholiota luteola Smith & Hesler	26
Pholiota macrocystis Smith & Hesler	26
Pholiota malicola (Kauff.) Smith	119. 120, 121, 123
Pholiota marginella Pk.	26
Pholiota milleri Smith & Hesler	26
Pholiota molesta Smith & Hesler	26
Pholiota mutabilis (Fr.) Kummer	26, 120. 121
Pholiota myosotis (Fr.) Singer	26
Pholiota nigripes Smith & Hesler	26
Pholiota obscura Smith & Hesler	26
Pholiota occidentalis Smith var. luteifolia Smith & Hesler	26
Pholiota occidentalis Smith var. occidentalis	26
Pholiota oregonensis Murr.	26
Pholiota pallida Smith	26
Pholiota polychroa (Berk.) Smith & Brcdie	26
Pholiota pulchella Smith var. brevipes Smith & Hesler	26
Pholiota pulchella Smith var. pulchella Smith & Hesler	26
Pholiota rivulosa Smith & Hesler	26
Pholiota rubronigra Smith and Hesler	26. 120, 121
Pholiota rufodisca Smith & Hesler	26
Pholiota scabella Zeller	26
Pholiota scarnba (Fr.) Moser	26
Pholiota scamboides Smith & Hesler	26
Pholiota serotina Smith and Hesler	120.121
Pholiota spumosa (Fr.) Singer	10, 26, 119, 120, 121. 122
Pholiota squarrosoides (Pk.) Sacc.	10, 26, 120
Pholiota subangularis Smith & Hesler	26
Pholiota subechinata Smith & Hesler	26
Pholiota subflavida (Murr.) Smith & Hesler	26
Pholiota sublubrica Smith & Hesler	26
Pholiota subochracea (Smith) Smith & Hesler	26, 120. 121
Pholiota subpapillata Smith & Hesler	26
Pholiota subsaponacea Smith & Hesler	26
Pholiota subvelutina Smith & Hesler	26
Pholiota terrestris Overholts	26, 119, 120, 121, 122
Pholiota tetonsensis Smith & Hesl. & Solheim	15.26
Pholiota umbilicata Smith	26
Pholiota variabilispora Smith & Hesler	2 6
Pholiota velaglutinosa Smith	26
Pholiota velata (Pk.) Smith & Hesler	26

Table 3. (cont.)

Name	Sources
Pholiota vernalis (Pk.) Smith & Hesl.	1, 15.26, 121
Pholiota vialis (Murr.) Smith & Hesler	26, 120
Pholiota vinaceobrunea Smith & Hesler	26
Pholiotina aporos (Kits v. Wav.) Clc.	6, 126
Pholiotina appendiculata (Lange & Kuhner) Singer f. macrospora	13, 126
Pholiotina filaris (Fr.) Sing.	120, 123, 126
Phyllotopsis nidulans (pers. ex. Fr.) Singer	119, 120. 121
Pleurocybella porrigens (Pers. ex Fr.) Singer	121, 126
Pleurotus dryinus (Pers. ex Fr.) Kummer	121, 122, 123
Pleurotus elongatipes Pk.	1,121
Pleurotus ostreatus (Jacq. ex Fr.) Kumm.	1, 15, 120. 121
Pleurotus ulmarius	119. 120, 123
Pluteus atromarginatus (Konr.) Kuhn.	120, 121, 123, 126
Pluteus cervinus (Schaeff. ex Fr.) Kumm.	1, 15, 120, 121, 122
Pluteus granularis Pk.	59, 120, 121
Pluteus lutescens Fr.	15, 123
Pluteus magnus	121, 123
Pluteus nanus (Pers. ex Fr.) Kumm.	3, 15
Pluteus pellitus (Fr.) Kumm.	5. 121. 123
Pluteus petasatus (Fr.) Gill.	5 , 1 2 3
Pluteus tomentosulus Pk.	9, 59, 121
Psathyreila abieticola Smith	103
Psathyrella acuticystis Smith	103
Psathyrella albescens Hesler & Smith	103
Psathyrella alluviana Smith	103
Psathyrella alnicola Smith	103
Psathyreila annulata Smith	103
Psathyrella argentata Smith	103
Psathyrella argillacea Smith	103
Psathyreila auofolia (Pk.) Smith	103
Psathyrella avellaneifolia Smith. var. avellaneifolia	103
Psathyrella bariae (Bres.) Smith f. barlae	103
Psathyrella barlowiena Smith	103
Psathyrella barrowsii Smith	103
Psathyrella bifrons (Berk.) Smith	103
Psathyreila borealis Smith	103
Psathyrella boulderensis Smith	103
Psathyrella camptopoda (Pk.) Smith	‘ 1 0 3
Psathyrella canadensis Smith	103
Psathyrella candolleana (Fr.) Maire	15
Psathyrella candolleana (Fr.) Maire var. candolleana	103
Psathyrella canoceps (Kauffm.) Smith	103
Psathyrella caputmedusai (Fr.) Konrad & Maublanc	103
Psathyrella carbonicola Smith	103, 122
Psathyrella castaneifolia (Murr.) Smith	103
Psathyrella caudata (Fr.) Quel.	103
Psathyrella circellatipes Benoist	5
Psathyrella circellatipes Benoist var. circellatipes	103
Psathyrella clivensis (Berk. & Br.) Orton	6, 103

Table 3. (cont.)

Name	Sources
Psathyrella communis Smith	103
Psathyrella conopilea (Fr.) Pearson & Dennis	103
PsathyreUa crassulistipes Smith	103
Psathyrella deserticola Smith	103
PsathyreUa directa Smith	103
Psathyrella distans Smith	103
Psathyreila duplicata Smith	103
Psathyrella echiniceps (Atkinson) Smith	103
Psathyreila ellenae Smith var. ellenae	103
PsathyreUa elwhaensis Smith	103
Psathyrella equina Smith	103
Psathyrella fibrillosa (Fr. ex Persoon) Maire	103, 120, 121
PsathyreUa flexuosipes Smith	103
Psathyrella foenisecii (Fr.) Smith	103
PsathyreUa fragilissima (Kaufman) Smith	103. 120. 121
PsathyreUa fragrans Smith	103
PsathyreUa frustulenta (Fr.) Smith	103. 120,121
Psathyrella fulva Smith	103
Psathyrella fulvescens (Romagnesi) Moser	103
Psathyrella fulvoumbrina Smith	103
Psathyrella fusca (Fr.) Pearson	103
PsathyreUa fuscafolia (Pk.) Smith	103
Psathyrella fuscospora Smith	103
Psathyrella georgiana Smith	5. 103
Psathyrella gracilis (Fr.) Quel. var. gracilis	103
Psathyrella grasmerensis Trueblood & Smith	103
PsathyreUa griseopallida Trueblood	103
Psathyrella gruberi Smith	103
Psathyrella hirta Pk.	103, 122
PsathyreUa hydrophila (Fr.) Maire	103
Psathyrella hymenocephala (Pk.) Smith	103. 120
Psathyrella idahoensis Smith	103
Psathyrella incerta (Pk.) Smith	103
PsathyreUa indecorosa Smith	103
Psathy-rella iterata Smith var. iterata	103
Psathyrella kauffmanii Smith var. kauffmanii	103
Psathyrella kauffmanii var. exannulata Smith	103
Psathyrella lacrymabunda (Fr.) Moser var. lacrymabunda	103
Psathyrella lanatipes Smith	103
Psathyrella lepidotoides Smith	103
Psathy-rella limicola (Pk.) Smith var. limicola	103
Psathyrella longipes (Pk.) Smith	103
PsathyreUa longistriata (Murr.) Smith	103,120, 121
Psathyrella luteovelata Smith	103
Psathyrella maculata (Parker) Moser	103
Psathyrella mesocystis Smith	103
Psathy-rella microcystis Smith	103
Psathyrella microsperma (Pk.) Smith	103
Psathyrella minima Pk.	103

Table 3. (cont.)

Name	Sources
Psathyrella naucoria Smith	120
Psathyrella naucorioides Smith	103
Psathyrella nezpercii Smith	103
Psathyrella nolitangere (Fr.) Pearson & Dennis	103
Psathyrella obtusata (Fr.) Smith	103. 120, 121
Psathyrella olympiana Smith	103
Psathyrella orbitarum (Romagnesi) Moser	103
Psathyrella oregonensis Smith	103
PsathyreUa owyheensis Smith	103
PsathyreUa pallida Smith	103
PsathyreUa paradoxa Smith var. paradoxa	103
Psathyrella payettensis Smith	103
Psathyrella polycephala (Fr.) Smith	103
Psathyrella populorum Trueblood & Smith	5, 103
Psathyrella potteri Smith	103
Psathyrella praetenuis Smith	103
Psathyrella prona (Fr.) Gillet	103
PsathyreUa pseudolimicola Smith	103
Psathyrella pseudotrepida Smith	103
Psathyreila psilocyboides Smith	103
PsathyreUa rigidipes (Pk.) Smith	15. 103. 119. 120. 121
Psathyrella roothaanensis Smith	103
Psathyrella rufogrisea Smith var. rufogrisea	103
PsathyreUa rufogrisea var. bonnerensis Smith	103
PsathyreUa rufogrisea var. riparia Smith	103
Psathyrella salictaria Smith	103
Psathyrella seminuda Smith	120, 121
PsathyreUa semivestita (Berkeley & Broome) Smith	103
Psathyrella senex (Pk.) Smith	103
Psathyrella septentrionalis Smithvar. septentrionalis	103
Psathyrella similis (Parker) Smith	103
Psathyrella solheimii McKnight & Smith	3, 15
Psathyrella solheimii McKnight & Smith var. solheim	103
Psathyrella spadicea (Fr.) Singer	5,103, 120,121
Psathyrella spadiceogrisea (Fr.) Maire	103
Psathyrella sphaerocystis Orton	103
Psathyrella sphagnicola (Maire) Favre	103
Psathyrella squamosa (Karsten) Moser	103
Psathyrella subagraria (Atk.) Smith	103
Psathyrella subargillacea Smith	103
Psathyrella subcaespitosa Smith	103
PsathyreUa subcinnamomea Smith	103
PsathyreUa subhepatica Smith	103
Psathyrella sublateritia Smith	103
Psathyrella sublongipes Smith	103
PsathyreUa subnuda (Karsten) Smith var. subnuda	103
Psathyrella subnuda var. velosa Smith	103
Psathyrella subpurpurea Smith	5
Psathyrella subradicata Smith	103

Table 3. (cont.)

Name	Sources
Psathyrella tahomensis Smith	103
Psathyrella tenera Pk	103
PsathyreUa trepida (Fr.) Gillet	103
Psathyrella typhae (Kalchbrenner) Pearson & Dennis	103
Psathyrella ulignicola Smith & McKnight	3, 15, 103
Psathyre uskensis Smith	103
Psathyrella variata Smith	103
Psathyrella velutina (Fr.) Singer var. velutina	103, 120, 121, 122
Psathyrella vema Smith	15
Psathyrella vesiculocystis Smith	103
Psathyrella wapinitaensis P. Kempton & Smith	1 0 3
PsathyreUa warrenensis Smith	103
Psathyrella weberi (Murr.) Sing.	5, 103
Psilocybe caerulipes	120. 121.123
Psilocybe coprophila (Bull. ex Fr.) Kumm.	15, 120, 122
Psilocybe cyanescens Wakefield	119. 123
Psilocybe merdaria (Fr.) Ricken	122
Psilocybe montana (Pers.: Fr.) Kumm.	6
Psilocybe polytrichophila Pk.	15
Psilocybe strictipes	120, 121. 123
Rhodocollybia extuberans (Fr.) Lennnox	62
Rhodocollybia maculata (Alb. & Schw. ex Fr.) Kumm.	1, 15, 120, 123
Rhodocollybia maculata Bull.: Fr. var. scorzonerea (Fr.) Lennox	5, 62
Rhodocollybia maculata var. fulva Lennox	62
Rhodocollybia maculata var. occidentalis (Smith) Lennox	62
Rhodocollybia oregonensis (Smith) Lennox	62, 120, 121. 123
Rhodccybe nitellina (Fr.) Sing.	6, 62, 121, 126
Rickenella fibula (Fr.) Kuhner	27. 120, 121
Rickenella setipes (Fr.) Raith.	13. 126
Schizophyllum commune Fr.	17
Stachyomphalina striatula (Kuhn.) Bigel.	15
Strobilurus albipilatus (Pk.) Wells and Kempton	62, 120, 121, 123
Strobilurus kemptonae	120, 121, 123
Strobilurus lignitilis Wells and Kempton	62
Strobilurus occidentalis Wells and Kempton	62, 120
Strobilurus trullisatus (Mm-r.) Lennox	62, 122
Stromatoscypha fimbriata (Pers.: Fr.) Donk	116
Stropharia aeruginosa (Curt. ex Fr.) Quel.	119, 120. 121, 126
Stropharia albo-cyanea (Desm.) Quel.	122, 126
Stropharia ambigua (Pk.) Zeller	1. 15. 119, 120, 121
S tropharia coronilla (Fr.) Quel.	15. 121. 122
Stropharia homemanni (Fr. ex Fr.) Lundell & Nannf.	1. 15, 119, 120. 121, 122
Stropharia kauffmanii Smith	15, 120
Stropharia semiglobata (Batsch ex Fr.) Quel.	3. 15, 120. 121. 122
Stropharia semiglobata var. stercoria (Fr.) Lange	15
Stropharia squamosa (Fries) Quelet	9, 120
Stropharia stercoraria	120,121
Stropharia thrausta (Schulz. ap Kalchbr.) Sacc.	120, 126
Trichoiomopsis decora (Fr.) Sing.	15, 120, 121. 122'

Table 3. (cont.)

Name	Sources
Tricholomopsis flavissima (Sm.) Singer	120, 121. 123, 128
Tricholomopsis platyphylla (Fr.) Sing.	9, 15. 28, 120, 121
Tricholomopsis rutilans (Schaeff. ex Fr.) Sing.	1. 15, 119, 120, 121
Tricholomopsis sulfureoides	120, 121, 122, 123
Trogia aurea	120
Tubaria furfuracea (Pers. ex Fr.) Gill.	1, 15, 120, 121
Volvariella speciosa (Fr.) Sing.	121, 126
Volvariella surrecta (Knapp) Sing.	120, 121, 126
Xeromphalina campanella (Batsch. ex Fr.) Kuhner & Marie	1, 15, 119. 120, 121. 122
Xeromphalina cauticinalis (Fr.) Kuhner & Maire	5, 6, 12, 120, 121, 122
Xeromphalina cirris Redhead	12
Xeromphalina comui (Quelet) Favre	12. 126
Xeromphalina parvibulbose (Kauffman & Smith) Redhead	12
Basidiomycotina Saprotrophic Cup Fungi	
Cheilymenia coprinaria (Cke.) Boud.	15, 16, 35, 47, 50, 123
Cheilymenia crucipila (Cke. & Phill.) LeGal	16, 123
Cheilymenia stercorea (Pers. ex Fr.) Boud.	2, 15. 16. 123
Cheilymcnia theleboloides (Fr.) Boud.	15. 16. 123
Basidiomycotina Saprotrophic False Truffles	
Endoptychum agaricoides Czerniaiev	59. 120, 122
Endoptychum depressum Singer & Smith	59, 120
Nivatogastrium nubigenum (Harkness) Singer & Smith	117
Basidiomywtina Saprotrophic Poly-pores	
Abortiporus biennis (Bull.: Fr.) Sing.	115. 123
Amylocystis lapponicus (Rom.) Bond. & Singer	5. 17. 115, 120
Anomoporia albolutescens (Rom.) Pouz.	115
Anomoporia bombycina (Fr.) Pouz.	115
Anomoporia myceliosa (Pk.) Pout.	115
Antrodia albabrunnea (Rom.) Ryv.	115
Antrodia albida (Fr.) Donk.	17, 115. 116
Antrodia alpina (Litsch.) Gilbn. & Ryv.	115
Antrodia carbonica (Overh.) Ryv. & Gilbn.	115
Antrodia crassa (Karst.) Ryv.	115
Antrodia ferox (Long & Baxt) Gilbn. & Ryv.	115
Antrodia heteromorpha (Fr.) Donk	17. 115
Antrodia juniperina (Murr.) Niem. & Ryv.	115
Antrodia malicola (Berk. & Curt.) Donk	115
Antrodia odora (Pk. ex Sacc.) Gilbn. & Ryv.	115
Antrodia radiculosa (Pk.) Gilbn. & Ryv.	115
Antrodia serialis (Fr.) Donk	17,115
Antrodia sinuosa (Fr.) Karst.	115
Antrodia sitchensis (Baxt.) Gilbn. & Ryv.	115

Table 3. (cont.)

Name	Sources
Antrodia vaillantii (Fr.) Ryv.	1 1 5
Antrodia variiformis (Pk.) Donk	17, 115
Antrodia xantha (Fr.) Ryv.	115
Antrodiella americana Ryv. & Gilbn.	115
Antrodiella overholtsii Ryb. & Gilbn.	115
Anuodiella romellii (Donk) Niem.	115
Anuodiella semisupina (Berk. & Curt.) Ryv.	17, 115
Aporpium caryae (Schw.) Teix. & Rogers	115
Aporpium semisupinum (Berk. & Curt.) Bond.	17
Auricularia auricula (Hook) Under-w.	15, 120. 122. 123
Auricularia auricularis (S. F. Gray) Martin	1
Auriporia aurea (Pk.) Ryv.	115
Bankera camosa	120, 123
Bankera fuligineoalba (Schw. ex Fr.) Pouz.	15,123
Bjerkanden adusta (Willd.: Fr.) Karst.	17. 115. 122
Bjerkanden fumosa (Pers.: Fr.) Karst.	17. 115. 120
Bondarzewia berkleyi (Fr.) Sing.	15. 17
Bondatzewia montana (Quel.) Sing.	17. 59, 71. 98. 115, 120
Botryohypochnus isabellinus (Fr.) Erikss.	15
Bovista pila Berk. and Curt.	120, 121. 123.131. 141
Bovista plumbea Berk. & Curt.	15.121, 123
Byssoporia terrestre (DC.: Fr.) Lars. & Zak	115
Calbovista subsculpta Morse	15, 120. 121, 123
Calocera stipitata (Pk.) Burt	6
Calocera viscosa (Fr.) Fr.	59. 120. 123. 131
Calodon suaveolens (Scop. ex Fr.) Karst.	15, 17, 120. 131
caloporus dichrous	120. 123
Calvatia booniana Smith	2, 15. 120. 121. 123
Calvatia bovista (Pers.) Kambly & Lee	1, 120. 123
Calvatia craniformis (Schw.) Fr.	59. 122. 123
Calvatia cyathiformis (Bosc) Morg.	2. 15. 123
Calvatia fumosa Zeller	1, 15, 120, 123
Calvatia sculpta (Hark.) Lloyd	59,120. 123
Calvatia subcretacea Zeller	2, 15, 120. 123
Calvatia tauensis Hollós	59, 122, 123
Calvatia uniformis (Bull. ex Pers.) Jaap	15
Ceriporia excelsa (Lund.) Parrn.	115
Ceriporia purpurea (Fr.) Sonk	115
Ceriporia reticulata (Pers.: Fr.) Dom.	115
Ceriporia spissa (Schw.: Fr.) Rajch.	115
Ceriporia viridans (Berk & Br.) Donk	115
Ceriporiopsis ancirina (Sommerf.: Fr.) Dom.	115
Ceriporiopsis mucida (Pers.: Fr.) Gilbn. & Ryv.	115
Ceriporiopsis pannocincta (Rom.) Gilbn. & Ryv.	115
Ceriporiopsis rivulosus (Berk. & Curt.) Gilbn. & Ryv.	115
Ceriporiopsis subvermispora (Pil.) Gilbn. & Ryv.	115
Clavaria apiculata Fr.	29
Clavaria appalachiensis Coker	17.59
Clavaria argillacea Pers.	120

Table 3. (cont.)

Same	Sources
Clavaria brunnea	120
Clavaria corbierei Bourdot & Galzin	17
Clavaria globospora Kauffman	17
Clavaria gracillima Pk.	17
Clavaria longispora Comer	17
Clavaria montana	120
Clavaria nebulosoides Kauffm.	17
Clavaria neonigrita Petersen	17
Clavaria pinicola Burt.	29, 120
Clavaria purpurea Fr.	1, 15, 17, 78, 86, 120, 123
Clavaria rosea Fr.	59, 120. 123
Clavaria stricta Pers.	29
Clavatia vermicularis Fr.	9. 17, 78, 123
Clavaria zollingeri Lev.	17. 123
Clavariadelphus borealis Wells & Kempton	5, 17. 59, 83. 120, 123
Clavariadelphus ligula (Fr.) Donk	5, 17, 119, 120. 123
Clavariadelphus lovejoyae Wells & Kempton	5. 6, 17
Clavariadelphus mucronatus Wells & Kempton	17, 59, 120
Clavariadelphus pistillaris (Fr.) Donk	17, 120, 123
Clavariadelphus sachalinensis (Imai) Comer	17, 59, 120. 122, 123
Clavariadelphus subfastigiatus Wells & Kempton	17. 59, 83, 123
Clavariadelphus truncatus (Quel.) Donk	2. 15, 17. 120, 122. 123
Clavicorona divaricata Leathers & Smith	1 7
Clavicorona piperata (Kauffm.) Leathers & Smith	17, 120
Clavicorona pyxidata (Fr.) Schroet	15, 17, 123
Clavicorona taxophila (Thorn.) Doty	17, 120, 123
Clavulina mutabilis Petersen	17
Clavulina rugosa (Fr.) Schroet.	17, 123,
Clavulinopsis corniculata	120. 123
Clavulinopsis fusiformis	120, 123
Clavulinopsis laeticolor (Berk. & Curtis) Petersen	17, 120, 123
Clavulinopsis laeticolor f. coccineo-basalis (Joss.) Petersen	17
Climacocystis borealis (Fr.) Kotl. and Pouz.	1, 15, 115, 116. 120
Coltricia cinnamomea (Pets.) Murr.	15, 17. 115, 120. 123
Coltricia montagnei (Fr.) Murr.	115, 123
Coltricia perennis (Fr.) Murr.	15. 17, 102, 115, 120, 122
Columnocystis abietinum (Fr.) Pouz.	122, 131
Coniophora cormgis Burt Solheim	15
Coriolopsis gallica (Fr.) Ryv.	115
Coriolus abietinus (Dicks.) Quél.	5, 139
Coriolus cervinus (Schw.) Bond.	17
Coriolus subchartaceous Murr.	5
Crucibulum laeve (Huds. ex Relh.) Kambly	15, 59, 120, 123
Cryptoporus volvatus (Pk.) Shear.	1, 5,17,98,102, 115, 120
Cyathus olla Batsch.; Pers.	120, 123. 131
Cyathus striatus Huds. ex Pers.	5, 120, 122, 123, 131
Dacrymyces deliquescens (Merat) Duby	2, 15. 123
Dacrymyces palmatus (Schw.) Bres.	120, 122. 123
Daedalea quercina Fr.	115

Table 3. (cont.)

Name	Sources
Dauonia mollis (Sommerf.: Fr.) Donk	17, 115, 123
Dauonia scutellata (Schw.) Gilbn. & Ryv.	17, 115
Dauonia stereoides (Fr.) Ryv.	115
Dauonia stereoides (Fr.) Ryv.	17, 115, 129
Dichomitus campestris (Quel.) Doman. & Orli.	17.115
Dichomitus squalens (Karst.) Reid	115
Diplomitoporus crustulinus (Bres.) Dom.	115
Diplomitoporus lenis (Karst.) Gilbn. & Ryv.	115
Diplomitoporus lindbladii (Berk.) Gilbn. & Ryv.	115
Diplomitoporus rimosus (Murr.) Gilbn. & Ryv.	115
Echinodontium tinctorium (Ell. & Ev.) Ell. & Ev.	17, 88, 115, 120, 122
Exidia saccharina (Fr.) Solheim	15, 139, 140
Fomitopsis cajanderi (Karst.) Kotl. & Pouz.	17, 115. 120, 123
Fomitopsis meliae (Underw.) Gilbn. & Ryv.	115
Fomiropsis pinicola (Fr.) Karst	1, 15, 17, 98, 102, 115, 120, 122
·mitopsis rosea (Alb. et Schw.: Fr.) Karst.	15. 17, 115
:mitopsis spraguei (Berk. et Curt.) Gilbn. & Ryv.	115
ɔmitopsis unita (Pers.) Bond.	17
Funalia gallica (Fr.) Bond. & Sing.	17
Fuscccerrena portoricensis (Fr.) Ryv.	115
Ganoderma applananum (Pers.: Wallr.) Pat.	1, 5, 17, 98, 101, 102. 115, 120. 122
Ganoderma lucidum (W. Curt.: Fr.) Karst.	115, 17
Ganoderma oregonense Murr.	17, 101. 102, 115
Ganoderma tsugae	120
Geastrum coronatum	120, 121. 123
Geastrum limbatum Jungh.	59. 121. 123
Geastrum minimum Schw.	15.59, 123
Geastrum pectinatum Pen.	9.123
Geastrum rufescens Pers.	15, 121, 123
Geastrum triplex Jungh.	59,120, 121, 123
Gloeophyllum carbonarium (Berk. & Curt.) Ryv.	115
Gloeophyllum odoratum (Fr.) Imaz.	15, 17, 115
Gloeophyllum protractum (Fr.) Imaz.	115
Gloeophyllum saepiarium (Fr.) Karst	1, 17, 59, 98, 102, 115, 120, 122, 123
Gloeophyllum trabeum (Pers.:Fr.) Murr.	17, 115, 120, 123
Gloeoporus dichrous (Fr.) Bres.	15, 17, 115
Gloeoporus taxicola (Pers.: Fr.) Gilbn. & Ryv.	115
Grifola frondosa (Dicks.: Fr.) S. F. Gray	17. 115
Guepiniopsis alpinus (Tracy and Earle) Brasfield	1, 15
Hapalopilus nidulans (Fr.) Karst	17, 115
Hapalopilus salmonicolor (Berk. & Curt.) Pouz.	115
Hericium abietis (weir) K. Harrison	17, 89, 92, 119, 120, 122
Hericium amer: :nus Ginns	17
. Hericium coralloides (Scop.) Pers. etc.	30, 120
Hericium ramosum (Bull. ex Merat) Let.	1, 15. 17, 89, 92, 120
Hydnellum aurantiacum (Batsch ex Fr.) Karst.	1, 15, 17, 91, 120, 131
Hydnellum aurantiacum var. bulbipodium Hall	17
Hydnellum aurantiacum var. colliculosum Hall	17
Hydnellum auratile (Britz.) Mass G.	17,131

Table 3. (cont.)

Same	Sources
HydneUum caeruleum (Horn. ex Pers.) Karst.	1, 15, 17, 91, 93, 59, 120, 131
HydneUum complectipes Hall	17.91
HydneUum complectipes var. disjunctipes Hall	17
Hydnellum complicatum Banker.	30
Hydnellum conigenum (Pk.) Banker	15, 17
HydneUum cumulatum K. Harrison	17
Hydnellum cyanopodium	120
HydneUum diabolum Banker	15. 120
HydneUum ferrugipes Coker	5
HydneUum fraudulentum Maas G.	15
HydneUum mirabile (Fr.) Karsten	17.93, 131
Hydnellum peckii Banker	15, 17. 120. 122. 131
HydneUum pinicola	120
Hydnellum regium K. Harrison	17, 120
Hydnellum scabrosum Fr.	15. 17, 120
Hydnellum scrobiculatum (Fr.) Karst.	17,120, 131
Hydnellum scrobiculatum var. zonatum (Fr.) K. Harrison	17
Hydnellum spongiosipes	122
Hydnellum subsuccosum K. Harrison	17
Hydnochaete olivacea	122
Hymenochaete tabacina (Sow. : Fr.) Lev.	120, 122, 131
Inonotus andersonii (Ell. & Everh.) Cemy.	115
lnonotus circinatus (Fr.) Gilbn.	15, 115. 116. 120. 122
Inonotus dryadeus (Pers.: Fr.) Murr.	115, 17
Inonotus dryophilus (Berk.) Murr.	115. 122
Inonotus glomeratus (Pk.) Murr.	115, 17
Inonotus obliguus (Pers.: Fr.) Pilat	115
Inonotus radiatus (Sow.:Fr.) Karst	17.115
lnonotus rheades (Pers.) Bond, et Sing.	115. 17
Inonotus subiculosus (Pk.) Eriksss. et Strid.	115
Inonotus tomentosus (Fr.) Teng	3, 17. 115. 116, 120, 122
Irpex lacteus (Fr.: Fr.) Fr.	115
Ischnoderma resinosum (Fr.) Karst	17.98, 102, 115. 120. 122
Junghuhnia collabens (Fr.) Ryv.	115
Junghuhnia fimbriatella (Pk.) Ryv.	115
Junghuhnia luteoalba (Karst) Ryv.	115
Junghuhnia nitidia (Fr.) Ryv.	115 .
Junghuhnia separabilima (Pouz.) Ryv.	115
Junghuhnia zonata (Bres.) Ryv.	115
Laetiporus sulphureus (Fr.) Murr.	17, 98, 102, 115. 120. 122
Lentaria byssiseda (Fr.) Comer	17. 123
Lentaria pinicola (Burt.) Petersen	17, 119, 122, 123
Lentaria pinicola var. robusta	120
Lenzites betulina (Fr.) Fr.	17,115
Leptoporus caesius Schrad ex Fr.	1, 5, 15
Leptoporus mollis (Pers.: Fr.) Pil.	17.115
Lycoperdon foetidum Bon.	15, 121, 123,131
Lycoperdon marginatum	121. 123
Lycoperdon perlatum Pers. ex Pers.	15, 120, 121, 123, 131

Table 3. (cont.)

Same	Sources
Lycoperdon pulcherrimum	121. 123
Lycoperdon pusillum	120
Lycopetdon pyriforme Schaeff. ex Pers.	15.120. 121.122.131
Lycopexdon umbrinum Pers.	15, 120. 121, 131
Macrotyphula fistulosa (Fr.) Petersen	17,131
Meruliporia incrassata (Berk. & Curt.) Murr.	116
Merulius tremellosus Fr.	122
Mucronella fusiformis (Kauffm.) K. Harrison	17, 131
Mucronella pendula (Massee) Petersen	17, 95, 97, 131
Mycenastrum corium (Guers.) Desv.	15, 121, 123
Nidula candida (Pk.) White	120, 123
Nidula nivea-tomentosa (Henn.) Lloyd	122, 137
Nidularia farcta (Roth. ex Pers.) Fr.	120, 137
Oligoporus amarus (Hedge.) Gilbn. & Ryv.	116
Oligoporus anguloporus (M. J. Larsen & Lomb.)	116
Oligoporus caesius (Schrad. : Fr.) Gilbn. & Ryv.	17, 71, 101, 102. 116, 120
Oligopoms floriformus (Quel.) Gilbn. & Ryv.	116
Oligoporus fragilis (Fr.) Gilbn. & Ryv.	17, 116, 120
Oligopoms hibemicus (Berk. & Br.) Gilbn. & Ryv.	116
Oligoporus leucomallellus (Murr.) Gilbn. & Ryv.	116
Oligoporus leucospongia (Cke. & Harkn.) Gilbn. & Ryv.	1, 17. 71, 101, 102. 116
Oligoporus mappus (Overh. & Lowe) Gilbn. & Ryv.	116
Oligoporus obductus (Berk.) Gilbn. and Ryv.	15, 120. 115, 116
Oligoporus obductus (Berk.) Gilbn. & Ryv.	116
Oligoporus perdelicatus (Murr.) Gilbn. & Ryv.	17. 116
Oligoporus placentus (Fr.) Gilbn. & Ryv.	116
Oligoporus sericeomollis (Rom.) Pouz.	116
Oligoporus stipticus (Pers.:Fr.) Gilbn. & Ryv.	17, 120, 116
Oligopoms tephroleucus (Fr.) Gilbn. & Ryv.	116
Oligopoms undosus (Pk.) Gilbn. & Ryv.	17, 116
Osteina obducta (Berk.) Donk.	17. 120. 131
Oxyporus corticola (Fr.) Ryv.	116
Oxyporus cunneatus (Murr.) Aoshima	17. 116
Oxyporus latemarginatus (Dur. & Mont. ex Mont.) Donk	116
Oxyporus similis (Bres.) Ryv.	116
Perenniporia ellisiana (F. W. Anderson) Gilbn. & Ryv.	116
Perenniporia fraxinophila (Pk.) Ryv.	17. 116
Perenniporia medulla-panis (Jacq.: Fr.) Donk	116
Perenniporia ohiensis (Berk.) Ryv.	116
Perenniporia subacida (Pk.) Donk	120. 115, 116
Perenniporia tenuis (Schw.) Ryv. var. tenuis	116
Perenniporia tenuis var. pulchella (Schw.) Lowe	116
Phallus impudicus Pers.	120
Phellinus arctostaphyli (Long) Niemela	116
Phellinus chrysoloma (Fr.) Donk	17, 116
Phellinus everhartii (Ell. & Gull.) A. Ames	17; 116
Phellinus ferreus (Pers.) Bourd. & Galz.	116
Phellinus ferrugineofuscus (Karst.) Bourd.	116
Phellinus ferruginosus (Schrad.: Fr.) Bourd. et Galz.	116

Table 3. (cont.)

Name	Sources
Phellinus gilvus (Schw.) Pat.	17, 116
Phellinus hartigii (Allesch. & Schnabl.) Bond.	116
Phellinus laevisatus (Fr.) Bourd. & Galz.	116
Phellinus occidentalis (Overh.) Gilbn. & Ryv.	17.116
Phellinus pomaceus (Pers.: S. F. Gray) Maire	17,116
Phellinus prunicola (Murr.) Gilbn.	116
Phellinus punctatus (Fr.) Pilat	116
Phellinus repandus (Overh.) Gilbn.	17, 116, 131
Phellinus robineae (Mm-r.) A. Ames	17.116
Phellinus tremulae (Bond.) Bond. & Boriss.	17,116
Phellinus viticola (Schw. : Fr.) Donk	17, 116
Phellinus weir-ii (Murr.) Gilbn.	116
Phellodon amicus (Quel.) Banker	30
Phellodon atratus K. Harrison	17
Phellodon malaleucus (Fr.) Karst.	17, 120. 131
Phellodon tomentosus (Fr.) Banker	17, 89. 120
Phlogiotis helvelloides (Fr.) Martin	9.120.122
Phylloporia ribis (Fr.) Ryv.	116
Physisporinus sanguinolentus (Alb. & Schw.: Fr.) Pilat	116
Physisporinus vitreus (Pers.: Fr.) Karst.	116
Piptoporus betulinus (Bull.: Fr.) Karst.	17, 116
Plicatura alni	120
Polyporus alveolar-is (DC.:Fr.) Bond. & Sing.	17. 115, 116. 123
Polyporus arcularius Batsch.: Fr.	17, 116
Polyporus badius (Pers.: S. F. Gray) Schw.	17, il. 101, 102, 115, 116, 120. 122
Polyporus brumalis Pers. ex Fr.	15, 17, 116, 120
Polyporus cryptopus Ell. & Barth	116
Polyporus elegans Bull. ex Fr.	1, 15, 17, 116, 120
Polyporus melanopus Fr.	17. 116, 122
Polyporus squamosus Huds.: Fr.	116. 17,120
Polyporus umbellatus Fr.	17,116
Polyporus varius Fr.	15, 116, 17, 120
Pseudocraterellus pseudoclavatus (Smith) Comer	17
Pseudohydnum gelatinosum (Scop.: Fr.) Karst	5. 17. 71. 120, 122. 123
Pycnoporellus alboluteus (El. & Ev.) Kotl. & Pouz.	1. 15, 17. 71, 101, 102, 116, 120
Pycnoporellus fulgens (Fr.) Donk	17, 116
Pycnoporus cinnabarinus (Jaq.: Fr.) Karst.	116, 15. 17, 120
Pyrofomes demidoffi (Lev.) Kotl. et Pouz.	17, 116
Ramariopsis califomica Petersen	1 7
Ramariopsis corniculata (Fr.) Petersen	17, 75, 82, 131
Ramariopsis crocea f. conspicua Petersen	17
Ramariopsis crocea (Fr.) Corner	17
Ramariopsis fusiformis (Fr.) Petersen	17, 74, 82, 131
Ramariopsis holmskjoldii (Oud.) Petersen	17
Ramariopsis kunzei (Fr.) Donk	17, 74, 76,83. 120. 123. 131
Ramariopsis kunzei var. favreae (Quel.) Comer	17
Ramariopsis laeticolor (Berk. & Curt.) Petersen	17, 80.82, 122
Rigidoporus crocatus (Pat.) Ryv.	116
Schizopora flavipora (Cke.) Ryv.	116,123

Table 3. (cont.)

Name	Sources
Skeietocutis nivea (Jungh.) Keller	17. 116
Sphaerobolus stellatus Tode ex Fr.	15, 120, 131
Spongipellis unicolor (Schw.) Murr.	116
S tereopsis burtii	122
Stereum hirsutum (Fr.) S. F. Gray	120, 122,136
Stereum ostrea (Blume and Nees) Fr.	120, 122, 123, 131.
Stereum rufum Fr.	15
Stereum sanguinolentum (Alb. and Schw.: Fr.) Fr.	120, 122
Stereum willeyi Burt	10
Thelephora caryophyllea Fr.	1, 15
Trametes cervina (Schw.) Bres.	116
Trametes heteromorpha (Fr.) Bres.	15
Trametes hirsuta (Wulf.: Fr.) Pilat	17. 116, 122
Trametes ochracea (Pers.) Gilbn. & Ryv.	1 1 6
Trametes pubescens (Schw.: Fr.) Pilat	17, 116
Trametes suaveolens L.: Fr.	17. 116
Trametes trogii Berk. in Trog.	17, 116. 123
Trametes versicolor (L. :Fr.) Pil.	17. 1, 101, 102, 116, 120. 122
Trechispora mollusca (Pers.:Fr.) Liberta	116. 123
Tremella foliacea	119. 120, 123
Tremella mesenterica Retzius ex Fr.	1, 126
Trichaptum abietinum (Dicks.: Fr.) Ryv.	5, 15. 17, 116. 122. 98. 102. 120, 123, 131
Trichaptum biforme (Fr.) Ryv.	116, 17. 120, 123
Trichaptum laricinum (Karst.) Ryv.	116
Trichaptum subchartaceum (Murr.) Ryv.	17. 116
Tyromyces canadensis (Overh.) Lowe	17
Tyromyces chioneus (Fr.) Karst.	17. 120. 116
Tyromyces galactinus (Berk.) Lowe	116
Tyromyces kymatodes (Post sensu B. & G.) Donk.	17
Wolfiporia cocos (Schw.) Ryv. & Gilbn.	116
Wrightoporia lenta (Overh. & Lowe) Pouz.	116
Basidiomycotina	
Unknown	
Gilled Mushrooms	
Calocybe ionides (Bull. ex Fr.) Donk	121.126
Calocybe leucocephala (Fr.) Sing	120
Entoloma alpicola (Favre) Kuhner	6
Entoloma byssisedum (Pers. ex Fr.) Donk	120, 126
Entoloma cetratum (Fr. ex Fr.) Moser	6, 126
Entoloma clypeatum (L. ex Fr.) Kummer	120. 126
Entoloma dichroum	120
Entoloma mammosum (Fr.) Hesler	120. 126
Entoloma nidorosum (Fr.) Quél.	120, 121. 126
Entoloma sericellum (Bull. ex Fr.) Kummer	120,122, 126
Entoloma vemum Lundell	13. 126
Hygrophorus aereus	120
Hygrophorus colemanianus Blox. apud Berk.	120
Hygrophorus foetans Phillips apud Berk. & Br.	19

Table 3. (cont.)

Name	Sources
Hygrophorus metapodius Fr.	19
Hygrophorus pubescens	120
Hygrophorus russocoriaceus	122
Inocybe albodisca Pk	120, 121, 122, 123
Inocybe fuscodisca (Pk.) Massee	120
Inocybe lanatodisca	121
Inocybe obscura (Pers. ex Pers.) Gill.	120, 121, 126
Inocybe olympiana	120, 121. 123
Inocybe subdestricta	121
Inocybe violacea	120
Naucoria escharoides (Fr. : Fr.) Kummer	10, 121. 122, 126
Naucoria luteolofibrillosa (Kuhn.) Kuhn., & Romagn.	10, 126
Phaeocollybia chrystinae	121, 123
Phaeocollybia fallax	‘121, 123
Basidiomycotina Unknown Chanterelles	
Cantharellus formosus Comer	17, 69. 71, 123
Cerrena unicolor (Bull.: Fr.) Murr.	17, 115. 122. 123
Clavulina castaneoppes var. lignicola Petersen	17.79
Clavulina cinerea (Fr.) Schroet.	17.74, 76, 120. 123
Dentinum albidum (Pk.) Snell	59, 120. 123
Dentinurn rufescens	120
Dentinum umbilicatum (Pk.) Pouzar	59, 120, 123
Jahnoporus hirtus (Quél. ex Cke.) Nuss.	17. 115. 116, 120, 122, 123
Polyporoletus sublividus Snell	116
Skeletocutis alutacea (Lowe) Keller	116
Skeletocutis amorpha (Fr.) Kotl. & Pouz.	17. 116
Skeletocutis stellae (Pilat) Keller	116
Skeletocutis subincarnata (Pk.) Keller	116
Basidiomycotina Lichen former Coral Fungi	
Multiclavula mucida (Fr.) Petersen	17, 59.74, 81, 120
Multiclavula vernalis (Schw.) Petersen	17
Basidiomycotina Parasitic Gilled Mushrooms	
Entoloma byssisedum (Pers. ex Fr.) Donk.	5, 120. 121, 126
Microcollybia tuberosa (Bull. ex Fr.) Lennox	1. 15, 62, 120, 121, 122, 123
Pholiota connata Smith & Hesler	26
Pholiota malicola (Kauf.) Smith var. macropoda Smith & Hesler	26
Pholiota squarrosa (Fr.) Kumm. var. squarrosa Smith & Hesler	26
Basidiomycotina Parasitic Polypores	
Fomitopsis officinalis (Vill. : Fr.) Bond. & Sing.	115, 116, 12017,
Heterobasidion annosum (Fr.) Bief.	17. 115, 120, 123

Table 3. (cont.)

Name	Sources
Inonotus cuticularis (Bull.: Fr.) Karst.	115, 131
Inonotus hispidus (Bull. ex Fr.) Karst.	15, 115. 116
Phaeolus schweiniuii (Fr.) Pat.	1, 15. 17, 59. 71, 102, 116, 120, 122
Phellinus igniarius (L. ex Fr.) Quél.	15, 17, 116, 120, 123, 131
Phellinus nigrolimitatus (Rom.) Bourd. & Galz.	17. 116. 120, 123
Phellinus pini (Thor-e ex Fr.) A. Ames	2, 15, 116, 120, 123, 17. 101, 102, 122, 131
Phellinus ribis (Schrum.:Fr.) Quel.	17. 131
Phellinus robustus (Karst.) B. & G.	17
Sparassis crispa Wulf:Fr.,	17, 59, 120, 122
Spongipellis pachyodon (Pers.) Kotl. & Pouz.	17, 116
Basidiomycotina Saprotrophic, Parasitic Gilled Mushrooms	
Crepidotus mollis (Schff. ex Fr.) Kummer	120. 126
Pholiota flavida (Fr.) Singer var. flavida	26, 119
Pholiota squarrosa (Muller ex Fr.) Kumm.	1, 15, 120
Basidiomycotina Saprotrophic. Parasitic Polypores	
Daedaleopsis confragosa (Bolt.: Fr.) Schroet.	17.59, 115, 122. 123
Dichomitis squalens (Karst.) Reid	17. 115
Fomes fomentarius (L.: Fr.) Kickx.	17, 115, 120. 122. 123
Hericium erinaceum (Fr.) Pers.	17. 122
Meripilus giganteus (Fr.) Karst.	17, 116. 131
Oligoporus bakarneus (Pk.) Gilbn. & Ryv.	17, 116
Oligoporus guttulatus (Pk.) Gilbn. & Ryv.	17. 116, 120, 122
Phellinus conchatus (Pers.: Fr.) Quel.	17. 116, 131
Spongipellis delectans (Pk.) Murr.	116
Spongipellis spumeus (Sow.: Fr.) Pat.	17. 116
Ascomycotina Ectomycorrhizal False Truffles	
Elaphomyces granulatus Fr.	16.35
Elaphomyces muricatus Fr.	11.59
Geopora cooperi Harkn.	5, 14, 16. 33. 123
Hydnotrya cerebriformis Harkness	16.56, 123
Ascomycotina Saprotrophic Cup Fungi	
Aleuria aurantia (Fr.) Fuckel	16, 35, 47, 50, 120. 122, 123
Aleurodiscus grantii	122
Anthracobia macrocystis (Cke.) Boud	16, 123
Anthracobia melaloma (Albertini & Schweinitz) Boudier	9. 16, 123
Arachnopeziza obtusipila Grelet	15.35
Ascobolus crenulatus Karst.	16, 129
Ascobolus furfuraceus Pers. ex Fr.	16, 129
Ascobolus geophilus Seaver	16
Ascobolus immersus Pers.	15

Table 3. (cont.)

Name	Sources
Bisporella ciaina (Batsch) Korf & Carpenter	15, 120, 122. 123
Caloscypha fulgens (Pers.) Boud.	2,15,16, 47, 50. 51, 123
Chlorcciboria aeruginascens	120. 123
Coprobia granulata (Fr.) Boud.	16. 123
Coprotus ochraceus (Crouan & Crouanj Larsen	15. 16
Cudonia circinans Fr.	16.59. 120, 122. 123
Cudonia grisea Mains	16.59
Cudonia monticola Mains	6. 16.45, 59, 120
Dasyscyphus bicolor (Fr.) Fuckel	15. 129
Dasyscyphus virgineus (Fr.) Fuckel	2, 3, 15. 129
Discina apiculatula McKnight	3. 15, 16.46
Discina Ieucoxantha Bres.	16, 46, 47, 123
Discina macrospora Bubak	16.59
Discina olympiana Kanouse	15, 59
Discina perlata (Fr.) Fr.	2, 15, 16, 35, 46, 47, 50, 59
Disciotis venosa (Pers. ex Fr.) Boud.	15. 16, 35, 47, 50, 59, 123
Fimaria cervaria (Phill. apud Stevenson) Brumm.	15
Geoglossum fallax Durand	16.59
Geoglossum glabrum Fr.	16, 59
Geoglossum nigritum (Fr.) Cooke	16.43, 59, 120
Geopyxis carbonaria (Pers.) Sacc.	15, 16, 35, 47, 50, 123
Geopyxis vulcanalis (Pk.) Sacc.	15. 16, 47, 50, 120, 123
Gyromitra ambigua Karst.	1, 16. 123
Gyromitra califomica (Phill.) Raitv.	1, 15, 16.47, 50, 120; 123
Gyromitra esculenta Fr.	15, 16, 35, 47, 50, 52, 123
Gyromitra gigas (Krombh.) Quel.	2, 15, 16, 50, 53. 54; 123
Gyromitra infula (Schaeff. ex Fr.) Quel	3. 15, 16, 35, 47, 50, 120, 123
Helvella acetabulum (L. ex St. Ammans) Quel	15. 16, 35, 55, 123
Helvella albella Quel. ss. Dissing non Weber	6
Helvella albipes Fuckel	16
Helvella corium (Weberb.) Massee	16
Helvella crispa Scop. ex Fr.	16. 35.42, 47, 55
Helvella elastica Bull. ex SL Amans	15, 16, 42, 47, 50, 55, 120, 122
Helvella griseoalba Weber	5, 16
Helvella lacunosa Afz. ex Fr.	15, 16, 35, 47, 50, 120
Helvella leucomelaena (Pers.) Nannf.	3. 5. 16, 42, 47, 55
Helvella macropus (Pers. ex Fr.) Karst.	16, 35.42, 55. 120
Helvella maculata Weber	6
Helvella queletii Bres.	16, 42, 47, 55, 123
Helvella villosa (Hedw. ex Kuntze) Dissing & Nannfeldt	16
Herpotrichia coulteri (Pk.) Bose	15
Humaria hemisphaerica (Wigg. ex Fr.) Fuckel	16, 120. 129
Iodophanus carneus (Pers.) Korf	2, 15, 16
Lachnellula agassizi (Berk. & Curt.) Dennis	2, 15
Lachnellula arida (Phill.) Dennis	1, 15. 129
Lachnellula fuscosanguinea (Rehm) Dennis	15. 129
Lachnellula subtillissima (Cooke) Dennis	15, 129
Lachnellula suecica (DeBary ex Fuckel) Nannf.	1. 15. 129
Lamprospora crec' hquerault ii (Cr.) Boud.	16

Table 3. (cont.)

Same	Sources
Lamprospora spinulosa Seaver	16
Lasiobolus ciliatus (Fr.) Boud.	16
Lasiobolus equinus (Mull.) Karst.	3
Lasiobolus pilosus (Fr.) Sacc.	15
Lasiobolus ruber (Quel.) Sacc.	15
Leotia lubrica Fr.	16, 35, 45, 120
Leucoscypha rutilans (Fr.) Dennis & Rifai	16
Meladina lechitina (Cke.) Svrcek	16
Melastiza chateri (W. G. Smith) Boud.	16, 122
Mitrula abietis Fr.	16, 35.44
Mitrula gracilas Karsten	16
Mollisia cinerea (Batsch) Karst	15,129
Morchella angusticeps Pk.	3, 16. 50, 52
Morchella conica Per-soon var. costata Vent.	10
Morchella crassipes (Vent) Pers.	16
Morchella crassistipa Snyder	9
Morchella elata Fr.	15, 16, 35, 47
Morchella esculenta Pers. ex St Ammans	15. 16. 35, 47, 50
Morchella esculenta St. Amans: Pers. var. atrotomentosa Moser	5
Morchella semilibra D. C. ex Fr.	15, 16. 35, 50, 52
Nannfeldtiella aggreqata Eckbl.	3, 15
Neolecta irregularis (Pk.) Korf	10, 122, 123
Neournula pouchetii (Berthet & Riousset) Padcn	16, 47, 48
Octospora leucoloma Hedwig ex S. F. Gray	16
Otidea abietina (Fr.) Fuckel	16. 131
Otidea alutacea (Fr.) Massee	9, 16, 40, 47, 120, 131
Otidea cantharella (Fr.) Ricken	9
Otidea concinna (Pers.) Sacc.	16. 131
Otidea grandis (Pers.) Rehm.	16
Otidea leporina (Batsch) S. F. Gray	15. 16. 40, 47
Otidea onotica (Fr.) Fuckel	16. 120
Otidea smithii Kanouse	16, 40. 47,, 120
Pachyella babingtonii (Berk.) Boud.	16. 131
Paxina recurvum Snyder	16, 47, 50, 54. 123
Perrotia flammea (Fr.) Boud.	15
Perrotia populina (Seaver) Dennis	15
Peziza domiciliana Cooke	16, 129
Pithya cupressina (Batch ex Fr.) Fuckel	16. 123
Pithya vulgar-is Fuckel	16, 35, 47, 50
Plectania melastoma (Sow ex Fr.) Fuckel	16. 35.47, 50, 123
Plectania milleri Paden & Tylutki	16, 47, 48, 123
Plectania nannfeldtii Korf	2, 15. 16, 47, 50
Plicaria endocarpoides (Berk.) Rifai	16, 35.47, 50, 123, 126
Plicaria trachycarpa (Curr.) Boud.	16. 35.47. 50, 123
Pseudocollema cartilagineum Kan. & Smith	2, 15
Pseudoplectania melaena (Fr.) Bond	16.47, 50
Pseudoplectania nigrella (Pers. ex Fr.) Fuckel	15. 16, 35, 47, 50, 123
Psilachnum inquilinum (Karst.) Dennis	15
Psilopezia nummularia Berk.	16

Table 3. (cont.)

Name	Sources
Pulvinula archeri (Berk.) Rifai	16, 123
Pyronema domesticum (Sowerby ex Fries) Saccardo	13, 129
Pyronema omphaloides (St Amansj Fuckel	16, 129
Rhizina undulata Fr.	15. 16. 35, 47, 50, 120, 123
Saccobolus depauperatus (Berk. & Br.) Hansen	16
Saccobolus glaber (Pers.) Lamb.	3, 15
Saccobolus versicolor (Karst) Karst.	16
Sarcoscypha coccinea (Fr.) Lambotte	16
Sarcosoma latahensis Paden & Tylutki	16, 47, 49
Sarcosoma mexicana (Ellis & Holway) Paden & Tylutki	15. 16, 47, 48, 53, 123
Sarcosphaera crassa (Santi ex Steadl) Pouz.	1, 15, 16, 35.47
Sclerotinia caricisampullacae Nyborg	15
Scutellinia erinaceus (Schw.) Kuntze	16, 123
Scutellinia scutellata (L. ex Fr.) Lambotte	1, 15, 16. 120. 122
Scutellinia umbrarum (Fr.) Lamb.	16. 34, 47, 50
Spathularia flavida Fr.	16, 35, 44, 120. 122
Spathularia velutipes Cooke & Farl.	16. 123
Sprageola irregularis (Pk.) Nannfeldt	10. 16
Stictis mollis Pers.	15
Tarzetta cupularis (Linnaeus: Fr.) Lambotte	9, 16. 35, 36. 37.37
Thecotheus cinereus (Crouan & Crouan) Chenant.	15. 16
Thelebolus polysporus (Kant) Sacc.	15, 129
Trichogiossum hirsutum (Fr.) Boudier	16. 35, 43, 120, 129
Trichoglossum velutipes (Pk.) Durand	16.59
Verpa bohemica (Krombh.) Boud.	15. 16, 47, 50, 129
Verpa conica Swartz ex Fr.	16, 35.47, 50, 123
Vibrissea truncorum Fr.	16.45. 123
Wynnella silvicola (Beck. ex Sacc.) Nannf.	16
Ascomycotina	
Saprouophic	
Pyrenomycetes	
Byssonectria aggregata (Rogers. & Korf)	3, 15, 123
Daldinia concentrica (Bolt ex Fr.) Ces and de Not.	120, 123, 129
Hypomyces lateritius (Fr.) Tul.	15
Podospora curvula Niessl	15
Ascomycotina	
Unknown	
Cup Fungi	
Peziza ammophila Durieu & Montagne	16. 129
Peziza arvernensis Boud.	3, 15. 16.47. 50. 123. 129
Peziza badia Pers. ex. Merat	16, 35, 38, 50, 120129
Peziza badioconfusa Korf	16, 35, 38.47, 50
Peziza brunneoatra Desm.	16, 35, 47, 50
Peziza echinospora Karst.	16, 129
Peziza fimeti (Fuckel) Seaver	5, 35
Peziza melaleucoides Seaver	16
Peziza petersii Berk. & Curt	16.35, 123
Peziza phaeotheca McKnight & Dublin	2, 15

Table 3. (cont.)

Name	Source5
Peziza praetetvisa Bres.	16, 35. 47, 50, 122, 129
Peziza repanda Persoon	9, 16. 35, 47. 50
Peziza varia (Hedw.) Fr.	16. 35, 47, 129
Peziza vesciculosa Bull.	15, 16. 35.47. 50, 129
Peziza vioiacea Pers.	15. 16. 35, 47, 50, 120
Tricharina gilva (Boud.) Eckblad	16. 129
Trichophaea abundans (Karst.) Boud.	16. 113
Trichophaea boudierii Grel.	16. 39. 41, 47, 123
Trichophaea gregaria (Rehm) Boud.	5. 15, 129
Ascomycofina	
Parasitic	
Pyrenomycetes	
Cordyceps capitata (Holmsk. ex Fr.) Link	122, 123.129
Cordyceps ophioglossoides (Ehrh. ex Fr.) Link	120, 123, 129
Hypomyces lactifluorum	120. 123
Hypomyces luteovirens	120
Zygomycotina	
Ectomycorrhizal	
Sporocarpic	
Endogone lactiflua Berk. & Broome	14
Zygomycotina	
Endomycorrhizal	
Asporocarpic	
Acauiospora elegans	113
Acaulospora gerdmannii	113
Acaulospora lactis	109
Acaulospora laevis	113
Acaulospora scrobiculata	109
Acaulospora spinosa	1 1 3
Entrophospora infrequens	112
Glomus caledonium	113
Glomus claroideum	113
Glomus etunicatum	113
Glomus fasciculatum	109, 111, 112, 113
Glomus macrocarpum	109, 111.113
Glomus microcarpum	109, 111, 112, 113
Glomus monosporum	113
Glomus mosseae	111, 112,113
Glomus scintillans	107. 108
Glomus tenuis	109

Table 4. A list of 264 species found within or near the boundaries of the Eastside Ecosystem Management Project that are of special concern and which should be assessed individually. ? which appear with states under Distribution denote fungi that have been reported close to the arbitrary boundaries imposed by EEMP.

Same Distribution / Habitat	Sources
Basidiomycotina Ectomycotrhizal Boletes	
Phylloporus rhodoxanthis ID on ground under conifers (pine)	120, 121, 123
Basidiomycotina Ectomycorrhizal Gilled Mushrooms	
Amanita alba Gill. WY, ID under pine	6. 121
Amanita farinosa Schw. OR? in forests or at their edges	32. 123
Amanita silvicola ID under conifers (Douglas-fir)	121, 123
Catathelasma imperialis (Fr.) Singer WY, ID under spruce, fir	15, 120. 121
Chroogomphus pseudovinicolor Miller ID on ground under conifers	120, 121, 122. 123
Chroogomphus **vinicolor (Pk.) 0. K. Miller** WY, ID lodgepole pine	1. 15, 120, 121, 1'2
Cortinarius armillatus ID underbirch	120. 121, 123
Cortinarius biformis ID under conifers	120, 121. 123
Cortinarius boulderensis ID in conifer ahd mixed forests	120, 121. 123
Cortinarius brunneus Fr. WY, ID under conifers	6. 120, 121, 123
Cortinarius clandestinus Kauffm. WY, ID under conifers	3. 15, 120, 121, 123
Cortinarius cliduchus Fr. WY, ID under conifers (spruce)	15, 120, 121
Cortinarius diiutus Fr. WY, ID under conifers	13, 15. 120, 121. 123
Cortinarius distans Pk. WY, ID under oak and ponderosa pine	1, 120, 121. 123
Cortinarius evernius Fr. WY, ID 'under conifers, often in moss	1, 122. 123
Cortinarius gentiiis (Fr.) Fr. WY, ID, MT under conifers, often in moss	1. 8, 15, 120. 121. 122. 123
Cortinarius largus ID lmderhardwoods	120, 121, 123
Cortinarius leucopus (Bull. ex Fr.) Fr. ID mossy coniferous woods	120, 121, 126
Cortinarius mioiatopus ID under conifers	120, 121, 123

Table 4. (cont.)

Name Distribution Habitat	Sources
Cortinarius multiformis Fr. WY, ID under conifers (spruce)	15,120, 121. 123
Cortinarius mutabilis Smith WY, ID under high elevation conifers	15, 120, 121, 122, 123
Cortinarius oricbalceus Fr. WY. ID under conifers	1.15, 120,121, 123
Cortinarius pallidifolius Smith WY, ID under fir	15, 120, 121, 123
Cortinarius pbolideus (Fr. ex Fr.) Fr. ID with birches, often on or near rotten logs	120, 121, 122. 123, 126, 128
Cortinarius plumiger ID under conifers	120, 121, 123
Cortinarius purpurascens ID under high elevation conifers	120, 121, 123
Cortinarius superbum Smith ID, MT under conifers	120, 121. 123. 126. 128
Cortinarius torvus (Bull. ex Fr.) Fr. WY under beech-maple or hemlock	1, 15, 123. 126, 128
Cortinarius umidicola (Kauffm.) ID damp coniferous woods	120.121.126
Cortinarius vibratilis (Fr.) Fr. ss. Moser WY, ID under conifers	15.120. 121, 122, 123
Cortinarius violaceus (Fr.) Fr. WY. ID under old-growth conifers, on rotting wood	1, 15, 59, 120, 121. 122
Inocybe fastigiata (Scbaeff. ex Fr.) Quel. WY, ID under conifers (lodgepole pine)	1, 15. 120. 121
Laccaria striatula ID under pine and spruce in boggy areas	120, 121, 123
Lactarius aspideoides Burlingbam WA? under hardwoods & conifers	20
Lactarius fallax var. concolor Smith & Hesl. ID. OR?, WA? Abies	20.120.121
Lactarius fuliginosus ID under hardwoods	121,123
Lactarius bibbardae Pk. ID on s[illegible]iferous and mixed woods, often among Sphagnum moss	120,121
Lactarius [illegible]s ID [illegible]fers	120, 121,123
L[illegible] jettensis Smith ID spruce, fir, alder, aspen	15, 20, 120, 121
Lactarius piperatus (L. ex. Fr.) S. F. Gray ID under hardwoods	121.123.126
Lactarius trivialis (Fr.) Fr. WY, ID, WA? under conifers	15, 20, 120,121. 123
Lactarius uvidus var. pailescens ID under mixed conifer and hardwood forests	120, 121, 123
Lactarius zonarius (St. Amans) Fr. sensu Neuboff ID under conifers	120. 121, 123

Table 4. (cont.)

Name Distribution Habitat	Sources
Leucopaxillus paradoxus ID under conifers	121. 123
Limacella glioderma (Fr.) R. Mre. ID under hardwoods, occasionally under confiers	120, 121, 1 2 3
Limacella illinita (Fr.) Earle WY, ID under conifers (Douglas-fir), mixed woods	5. 121
Martellia fulvescens Singer and Smith ID under Picea and Abies	124, 1'5
Russula bicolor ID on ground under conifers (lodgepole pine)	121, 123
Russula lutea ID under conifers, birch aspen	120. 121, 123
Russula nauseosa (Pers. ex Schw.) Fr. ss. Bres. **ID mountain** coniferous woods with spruces and especially larches	120, 121. 126
Russula pectinata ID under conifers (pine, Douglas-fir)	120, 121, 123
Russula pectinatoides ID under 'conifers (pine, Douglas-fiij	121. 1'3
Tricholoma sulphurescens Bres. WY, ID under hardwoods, and in mixed woods	6, 120, 121, 123, 126
Basidiomycotina Ectomycorrhizal False Truffles	
Alpova mollis (Lloyd) Trappe WY hypogeous under conifers	114
Gymnomyces ferruginascens Singer & Smith ID hypogeous under Picea Engelmannii and Abies lasiocarpa	124, 125
Macowanites acris Singer and Smith ID Hypogeous under Picea	124
Macowanites albidigleba Singer and Smith ID hypogeous under Abies grandis	124
Macowanites americanus Singer and Smith ID under conifers (Abies, Picea, Pseudotsuga)	120, 124, 125
Macowanites citrinus Singer and Smith LD under Pinus contorta	124, 125
Macowanites fuscoviolaceus Singer and Smith ID under Abies lasiocarpa, Picea. Pinus	124. 125
Macowanites lilacinus Smith ID under spruce and fir	124
Macowanites nauseosus Smith ID under fir	124
Macowanites pinicola Smith ID under Pinus contorta	124
Macowanites pseudoemeticus Smith ID underspruce	124
Macowanites subolivaceus Smith ID under spruce	124
Macowanites subrosaceus Smith ID under spruce and fir	124

Table 4. (cont.)

Name Distribution Habitat	Sources
Macowanites vinicolor Smith ID under conifers	124
Martellia foetens Singer and Smith ID hypogeous under lodgepole pine	124
Martellia fragrans Smith ID hypogeous under Abies	124
Martellia fulvispora Smith ID hypogeous under conifers	124
Martellia idahoensis Singer and Smith ID hypogeous under Picea Engelmannii and Abies lasiocarpa	124
Martellia monticola (Hark.) Singer and Smith ID,WY hypogeous under Abies lasiocarpa	124
Martellia olidus Smith ID under mixed conifers	124
Martellia subalpina Smith ID hypogeous under Abies lasiocarpa	124
Martellia subochracea Smith ID hypogeous under Abies	124
Rhizopogon brunneicolor Smith ID hypogeous under conifers	118
Rbizopogon luteolus Fr. & Nordholm ID, WA? P. contorta	118
Rhizopogon oswaldii Smith OR?, WA? hypogeous under conifers	1 1 8
Badiomycotina	
Ectomycorrhizal	
Polypores	
Albatrellus confluens (Alb. & Schw.: Fr.) Kotl. & Pouz. ID, MT?, OR?, WA, WY pine, spruce-fir. Douglas fir, Rocky Mountain maple, P. pinc, Pseudotsuga	6, 17. 120. 115, 122
Albatrellus dispansus (Lloyd) Canfield & Gilbertson ID under western conifers	17.99, 120. 123
Albatrellus ellisii (Berk.) Pouz. ID, WY under conifers	17, 105, 115, 120. 122
Boletopsis subsquamosa (Fr.) Kotl. & Pouz. ID, MT, OR, WA, WY on ground under conifers and hardwoods	3. 15, 17.71, 100, 102. 115, 116. 120, 122
Hydnum fumosum (Banker) Hall ID on soil in duff, in coniferous forests	17, 87.90, 120
Polyozellus multiplex (Underw.) Murr. ID on the ground under conifers (spruce and fir), aspen	17, 68, 70, 71, 73, 120. 123
Radiigera atrogleba Zeller ID hypogeous in conifer (pine) duff	120, 121, 123
Ramaria abietina Pers.:Fr. ID, OR, WA on humus under conifers	17.74, 77
Ramaria fennica var. violaceibrunnea Marr & Stuntz ID in humus in conifer forests	17.77
Ramaria formosa (Fr.) Quel. ID on the ground under conifers	17, 74, 77, 120
Ramaria purpurissima Petersen and Scates ID Abies, Tsuga, Pseudotsuga	127

Table 4. (cont.)

Name Distribution Habitat	Sources
Ramaria rubribrunnescens Marr & Stuntz ID, OR. WA in humus under conifers	17, 77
Basidiomycotina Sapronophic Gilled Mushrooms	
Agaricus benesii Pilat. ID in woods	59. 120. 126
Agaricus bisporus ID organic debris, manure, rich soil	121. 123
Agaricus cervinifolius Zeller ID on rich humus at edges of conifer forests and along roads. especially where horses have been pastured	59, 120. 121
Agaricus crocodilinus ID grassy areas	120, 121, 123
Agaricus diminutivus ID humus under conifers or mixed woods	120. 121, 123
Agaricus silvaticus ID, WY hardwoods and coniferous forests	15. 120. 121. 123
Alboleptonia sericella ID damp soil in woods	121. 123
Armillaria caligata ID under conifers (spruce)	120, 121, 123
Calocybe carnea (Bull. ex Fr.) Donk ID, MT grassy areas and meadows, more rarely woods	121. 123. 126
Cantharellula umbonata (Gmel. ex Fr.) Sing. ID in mossy bogson moss	**120,** 121. 122, 123
Clitocybe fellea Pk. ID, OR?, **WA?** Polytrichum, hemlock, pine	24, 120, 121
Clitocybe gibba var. maxima ID on ground in conifer woods	120, 121, 123
Clitocybe irina Fr. var. irina ID in woody areas	121. 123
Clitocybe squamulosa ID high elevation conifer forests	120, 121.123
Clitocybe subsocialis Pk. ID. WA? under conifers	**24**
Clitocybe vibecina ID on leaves of beech, birch or maple in mixed woods or needles of pine and spruce	120.121
Clitocybula abundans ID on rotting conifers	**120,121**
Clitopilus prunulus **ID under** pine in open woods	**121, 122, 123**
Collybia asema (Fr.) Gillet WY, ID under conifers (pine), occasionally hardwoods	15, 120, 121. 123
Collybia butyracea (Bull. ex Fr.) Kumm. WY, ID humus under pine	1, 15, 120. 121, 122, 123
Collybia distorta ID under conifers in **humus** or on rotten wood	120. 121, 123

Table 4. (cont.)

Name Distribution Habitat	Sources
Coprinus bisporus J. Lge. ID dung	121. 126
Coprinus‘ cinereus (Schff. ex Fr.) S. F. Gray ID on organic and woody debris	121. 123, 126
Coprinus lagopus ID on organic and woody debris	120, 121, 123
Cystoderma gruberianum Smith ID on decaying conifer logs	120. 128
Entoloma mammosum (Fr.) Hesler ID grassy places under conifers	121, 123. 126
Entoloma serrulatum (Pers. ex Fr.) Hesler ID on humus in conifer forests (western red cedar), grassy edges of woods, acid meadows	120, 121. 123. 126
Galerina borealis Smith & Singer ID in mossy bogs	25
Galerina cinnamomea Smith & Singer WA?, OR? on wood chips, slash and hardwood logs	25
Galerina oregonensis Smith OR?, WA? on mossy rocks and wood	25
Galerina subbadia Smith & Singer OR? on wood of conifers, rarely on moss	25
Galerina subochracea Smith ID. OR scattered on wet woody debris	25
Hypholoma sublateritium (Fr.) Quel. WY, ID hardwood stumps and logs	1, 15, 120, 123. 126
Lentinellus cochleatus (Fr.) Karst. . WY, MT under hardwoods	5, 121, 123
Lentinellus vulpinus **ID on stumps and debris of hardwoods**	120, 121, 123
Lepiota felina Quel. WY, ID on organic debris	6. 120. 121, 123
Lyophyllum semitale ID under conifers	120, 121. 123
Macrocystidia cucumis (Pers. ex Fr.) Heim ID woods, pasture, edges of streams	120, 121. 126
Marasmius globularis Fr. ID coniferous and deciduous woods	121, 126
Marasmius splachnoides Fr. ID on needles and leaves	121, 126
Melanophyllum echinatum (Roth ex Fr.) Sing. ID rich boggy soil under hardwoods and conifers, and on burnt ground among Funaria moss	120. 121. 123. 126
Microcollybia racemosa (Pers. ex Fr.) Lennox ID on decaying mushrooms (Russula albonigra)	62, 120. 12, 123
Micromphale perforans (Hofm. & Fr.) Sing. ID on damp spruce needle humus, often on needles	121. 126
Mycena albidula (Pk.) Smith WA?, ID leaves and bark of hardwoods	27. 120, 121, 123
Mycena alcalina (Fr.) Kumm. WY, OR?, WA?, MT?, ID larch	1, 15, 27. 120. 121

Table 4. (cont.)

Same Distribution Habitat	Sources
Mycena amabilissima (Pk.) Saccardo WY, OR?, WA?. ID on needles under conifers	9.27, 119. 120. 121, 122. 123
Mycena aurantiidisca Murr. ID, WA?, OR? Douglas fir. pine	27, 120, 121, 1'2
Xlycena bisphaerigera Lange OR?, WA?, ID under conifers in boggy areas	27, 120, 121
Mycena clavicularis (Fr.) Gillet OR?, WA?, ID on duff under conifers	27, 120. 121, 1'3
Xlycena corticalis Smith OR? Thuja plicata	27
Mycena delicatella P k . ID, WA?, OR? fallen needles and twigs of conifers	27.120.121
Mycena epipterygioides Pearson OR?, WA?, ID ponderosa pine	27, 120, 121
Mycena filopes (Fr.) Quel. OR?, WA? on conifer needles, humus, mossy areas in hardwoods	27
Mycena iodiolens Lundell WA?, ID on decaying conifer logs or needles	27, 120, 121
Mycena leptocephala (Fr.) Gillet OR?, WA?, ID in decaying conifer logs or needles or grass	27,121. 122,123
Mycena occidentalis Murrill OR?, WA?, ID in decaying conifer logs or needles	27,120, 121,123
Mycena odorifera (Pk.) Sacc. WA? fallen conifer needles	27
Mycena purpureafusca (Pk.) Sacc. ID. WA, OR on conifer wood and debris, pine cones	27, 120, 121. 123
Mycena stannea (Fr.) Quel. ID, WA?, OR? on needle duff under conifers	27,120, 121.123
Mycena tenella (Fr.) Quel. OR?, WA?, ID on organic debris in low areas	27,120. 121
Mycena viridimarginata Karsten WA? alder	27
Naematoloma squalidellum ID in humus and debris under conifers	120, 121, 123
Omphalina chrysophylla ID on rotting conifers	121, 122, 123
Omphalina epichysium (Pers. ex Fr.) Quel. WY, ID, MT mixed woods and under conifers	15, 120, 121. 123
Omphalina postii (Fr.) Sing. ID in moss, sphagnum, on burnt soil in humus-rich woods	120, 121, 123. 126
Oudemansiella radicata (Relhan ex Fr.) Sing. ID near hardwood stumps and roots	121, 123
Panaeolus campanulatus (Bull. ex Fr.) Quel. WY, ID, MT on dung, grass where cattle have grazed, occasionally on compost	1, 15, 120, 121, 123
Panaeolus solidipes ID on dung (horse) and manured grass	121,123
Paxillus panuoides Fr. ID on conifer logs, stumps and debris	119, 120, 121. 123

Table 4. (cont.)

Name Distribution Habitat	Sources
Phoiiota abietis ID on conifer (fir) wood	120, 121, 123
Pholiota alnicola ID on rotting hardwood stumps, logs and debris	120, 121. 123
Pholiota astragaiina (Fr.) Singer ID, OR?. WA? on rotting conifers	26, 120, 121, 122,123
Phoiiota brunnescens Smith ID, OR? on wood or soil in recently burned areas	26, 119, 120, 121, 123
Phoiiota carbonaria Smith ID, OR?, WA?, WY on burned soil, exposed roots	5. 26, 120, 121. 122
Phoiiota crassipedes Smith & Hesier WA? on hardwood logs	26
Pholiota flammans (Fr.) Kumm. ID, WA, WY, MT on conifer logs and stumps	5, 26. 120. 121
Phoiiota malicoia (Kauff.) Smith ID on rotting logs, stumps and debris	119, 120. 121, 123
Phoiiota rubronigra Smith and Hesier ID on conifer logs (pine, redwood)	26, 120, 121
Pholiota serotina Smith and Hesier ID onsoilinwoods	120, 121
Pieurotus dryinus (Pers. ex Fr.) Kummer ID on rotting hardwood logs, branches and debris	121. 122. 123
Pieurotus elongatipes Pk. WY, ID. MT logs and limbs of hardwoods and shrubs	1, 121
Piuteus granularis Pk. ID on rotting wood of conifers or hardwoods	59. 120. 121
Piuteus pellitus (Fr.) Kumm. WY, ID, MT dead hardwoods	5, 121. 123
Pluteus tomentosuius Pk. **WY, ID. MT on wood** of conifers and hardwoods	9, 59, 121
Psathyrelia fibriiiosa (Fr. ex Persoon) Maire OR?, WA?. ID on debris in mixed conifer hardwood forests	103. 120. 121
Psathyreila fragiiissima (Kaufman) Smith ID, OR on decayed leaves in mixed forests	103, 120. 121
Psathyreiia frustuienta (Fr.) Smith ID, OR, **WA under ferns on conifer needles**	103. 120, 121
Psathyreiia iongistriata (Murr.) Smith ID, OR?, WA? under Alnus	103, 120. 121
Psathyrelia obtusata (Fr.) Smith ID, OR? oak	103, 120, 121
Psathyrelia seminuda Smith ID onrottenwoodofaspen	1 2 0 . 1 2 1
Psathyrella sphagnicoia (Maire) Favre ID sphagnum **moss**	103
Psathyrelia subpurpurea Smith **WY on conifer debris**	5
Psiiocybe caeruiipes ID on hardwood logs and debris	120, 121. 123

Table 4. (cont.)

Name Distribution Habitat	Sources
Psiiocybe strictipes ID on conifer or hardwood woody debris	120, 121, 123
Rhodocoiiybia oregonensis (Smith) Lennox ID on well decayed conifer stumps and humus	62, 120, 121, 123
Rickeneiia fibuia (Fr.) Kuhner ID, OR? on moss in moist areas	27. 120, 121
Strobiiurus aibipilatus (Pk.) Wells and Kempton ID on pine cones	62. 120. 121, 123
Stropharia stercoraria ID on dung, manure or rich soil	120.121
Voivarieila surrecta (Knapp) Sing. ID on decaying agarics	120. 121, 126
Basidiomycotina Saprorrophic Polypores	
Abortiporus biennis (Bull.: Fr.) Sing. WA?, OR? on ground around hardwood stumps and trees, occasionally under conifers	115, 123
Anomoporia aibolutescens (Rom.) Pouz. ID, OR?, WA? Abies. Larix, Picea, Pinus, Pseudotsuga. Thuja, nrcly Betula & Acer	115
Antrodiella semisupina (Berk. & Curt.) **Ryv.** ID, OR?, MT? Betula, Alnus, Populus. Fomes, Fomitopsis. Trichaptum. rarely Abies. Picea. Pinus,	17, 115
Auriporia aurea (Pk.) Ryv. OR? on dead conifers and hardwoods	115
Bankera carnosa ID under conifers, usually pine	120, 123
Bankera fuligineoaiba (Schw. ex Fr.) Pouz. WY under conifers, usually pine	15. 123
Caivatia booniana Smith **WY, ID open areas, prairies,** under sagebrush	2. 15, 120, 121. 123
Ceriporiopsis subvermispora (Pil.) Gilbn. & Ryv. MT? on conifer wood, occasionally on hardwoods	115
Cyathus olla Batsch.; Pers. ID on soil, dung, manure. other organic debris, more rarely wood	120, 123. 131
Daedaiea quercina Fr. OR? Quercus, Castanea, Fagus, Fraxinus, Juglans, Populus, Prunus, Ulmus	115
Datronia stereoides (Fr.) Ryv. ID, OR, WA on or near dead hardwoods (Fagus)	17. 115. 129
Dichomitus campestris (Quel.) Doman. & Orli. ID on dead wood of Alnus. Quercus	17, 115
Fomitopsis spraguei (Berk. et Curt.) Gilbn. & Ryv. OR?, WA? on hardwoods (Quercus, Castanea)	115
Geastrum coronatum ID on humus and organic debris	120, 121. 123
Geastrum iimbatum Jungh. ID on soil in waste places	59, 121, 123
Geastrum rufescens Pers. WY, ID under conifers (juniper)	15, 121, 123
Gloeophyllum odoratum (Fr.) Imaz. ID, MT, OR, WA, WY on dead conifer wood	15, 17, 115

Table 4. (cont.)

Name Distribution Habitat	Sources
Hapalopilus nidulans (Fr.) Karst. ID. WA? on hardwoods and conifers (pine, Douglas-fir)	17,115
Hydnellum aurantiacum (Batsch ex Fr.) Karst. WY, ID on soil under pines, other conifers	1. 15, 17.91. 120, 131
Hydnellum auratile (Britz.) Mass G. ID, OR, WA on soil in mixed hardwood - conifer forests	17,131
Hydnellum caeruleum (Horn. ex Pers.) Karst. WY, ID on soil in woods - pines, other conifers	1, 15. 17.91, 93. 59. 120, 131
Hydnellum mirabile (Fr.) Karsten ID. OR, WA on soil, in duff, under conifers	. 17, 93, 131
Hydnellum peckii Banker ID on soil among mosses, under conifers. pine, fir	15. 17. 120, 122, 131
Inonotus glomeratus (Pk.) Murr. ID, MT?, OR?, WY? on hardwoods (Acer, Fagus, Populus)	115, 17
Junghuhnia nitidia (Fr.) Ryv. ID, OR?, WA? on dead hardwood logs and branches	115
Junghuhnia separabilima (Pouz.) Ryv. WY? on hardwoods (Acer, Populus, Betula)	115
Lenzites betulina (Fr.) Fr. ID. MT?. OR?, WA? on hardwoods (Betula) and conifers (Pica. Pinus, Tsuga, Thuja)	17, 115
Oligoporus hibernicus (Berk. & Br.) Gilbn. & Ryv. ID on wood of Abies. Picea	116
Osteina obducta (Berk.) Donk. ID on dead conifers, stumps, rarely birch, Larix,	17, 120, 131
Phellinus gilvus (Schw.) Pat. ID, Ml?, OR, WA? on hardwoods (Quercus, aspen), rarely on conifers	17. 116
Phellinus viticola (Schw. : Fr.) Donk ID. MT?. WA?, OR?. WY? on dead wood of conifers (Picea) and hardwoods	17, 116
Polyporus brumalis Pers. ex Fr. WY, ID, WA, OR on dead wood of hardwoods	15.17, 116, 120
Polyporus squamosus Huds.: Fr. ID. Ml?, WA Aspen	116. 17. 120
Polyporus umbellatus Fr. ID, WA, MT? on downed conifer (Picea) stumps and logs, and occasionally on hardwoods	17, 116
Pseudocraterellus pseudoclavatus (Smith) Corner ID, OR, WA under hardwoods	17
Wrightoporia lenta (Overh. & Lowe) Pouz. WA? on conifer wood	116
Basidiomycotina Unknown Gilled Mushrooms	
Entoloma nidorosum (Fr.) Quél. ID deciduous (rarely coniferous) woods	120, 121, 126
Inocybe obscura (Pers. ex Pers.) Gill. ID conifer woods	120, 121, 126
Inocybe olympiana ID under conifers	120, 121, 123
Phaeocollybia chrystinae ID on the ground under conifers	121, 123

Table 4. (cont.)

Name / Distribution / Habitat	Sources
Phaeocollybia fallax	121. 123
ID on the ground under conifers	
Basidiomycotina	
Unknown	
Coral Fungi	
Clavulina castaneoppes var. iignicola Petersen	17, 79
ID, OR, WA' on decaying wood and bark or woody litter	
Basidiomycotina	
Lichen former	
Coral Fungi	
Multiclavula mucida (Fr.) Petersen	17, 59, 74, 81, 120
ID, OR, WA on decaying wet usually decorticated wood covered by algae in moist coniferous and mixed forests	
Multiclavula vernalis (Schw.) Petersen	17
ID, WA, OR on soil with turf of algae or moss, in coniferous forests & clearings	
Basidiomycotina	
Parasitic	
Gilled Mushrooms	
Entoloma byssisedum (Pers. ex Fr.) Donk.	5, 120, 121, 126
WY, ID on rotten wood or on ground: also parasitizing subterranean fungi	
Microcollybia tuberosa (Bull. ex Ft.) Lennox	1. 15. 62. 120, 121. 122, 123
WY. ID on remains of old mushrooms (esp. Russula and Lactarius) in conifer woods	
Basidiomycotina	
Parasitic	
Polypores	
Inonotus cuticularis (Bull.: Fr.) Karst.	115.131
WA? living hardwoods (Acer, Castanea, Quercus. Ulmus)	
Phellinus ribis (Schrum.:Fr.) Quel.	17.131
ID on living hardwoods (Ribes)	
Basidiomycotina	
S aprowphic, Parasitic	
Polypores	
Meripilus gigaateus (Fr.) Karst.	17, 116, 131
ID. OR?, WA? on stumps, rarely weak parasite on living Fagus, Abies: on soil. buried wood	
Ascomycotina	
Ectomycorrhizal	
False Truffles	
Hydnotrya cerebriformis Harkaess	16.56. 123
ID hypogeous in rotten wood under conifers	
Ascomycotina	
Saprotrophic	
Cup Fungi	
Ascobolus creaulatus Karst.	16, 129
ID on dung	
Discina leucoxaatha Bres.	16, 46, 47, 123
ID under conifers and hardwoods	
Disciotis venosa (Pers. ex Fr.) Boud.	15. 16. 35, 47, 50, 59, 123
WY, ID low hardwood forests, damp soil or humus	

Table 4. (cont.)

Name Distribution Habitat	Sources
Geoglossum nigritum (Fr.) Cooke ID on wet soil & among mosses	16.43. 59, 120
Helvella queletii Bres. ID on humus or rotting wood of hardwoods	16.42, 47, 55, 123
Humaria bemisphaerica (Wigg. ex Fr.) Fuckel ID on damp soil & very rotten wood	16, 120. 129
Lachnellula fuscosanguinea (Rehm) Dennis WY dead branches of Pinus mugo	15.129
Leotia lubrica Fr. ID on soil, duff, very rotten wood under conifers, hardwoods	16, 35, 45, 120
Neournula pouchetii (Berthet & Riousset) Paden ID, WY under conifers (pine, cedar) in duff	16, 47, 48
Paxina recurvum Snyder ID, MT, WA? on ground under conifers	16, 47, 50, 54, 123
Perrotia flammea (Fr.) Boud. WY dead twigs & branches of hardwoods. willow, aspen	15
Plectania milleri Padea & Tylutki ID. OR? on ground under conifers	16, 47, 48, 123
Plicaria trachycarpa (Curr.) Boud. ID on burnt ground and old campfire sites	16. 35.47. 50, 123
Pseudocollema cartiiagineum Kan. & Smith WY on rodent dung in meadows following snowmelt	2. 15
Rhizina undulata Fr. **WY, ID growing under conifers** on burnt ground	15. 16, 35.47, 50, 120, 123
Sarcosoma mexicana (Ellis & Holway) Paden & Tylutki WY, ID? on humus under conifers	15, 16.47.48, 53. 123
Trichoglossum hirsutum (Fr.) Boudier **ID in boggy meadows in moss**	16, 35, 43, 120. 129
Verpa conica Swartz ex Fr. **ID in moist riverbottoms with cottonwood** and willow	16, 35, 47, 50, 123
Vibrissea truacorum Fr. ID on sticks in cold running water	16.45. 123
Ascomycotina Unknown Cup Fungi	
Peziza petersii Berk. & Curt. **ID** on **ground in spruce-fir** zone	16.35. 123
Peziza violacea Pers. WY. ID on **burnt ground**	15, 16, 35, 47, 50, 120
Zygomycotina Endomycorrhizal Asporocarpic	
Acauiospora laevis WY grasslands, prairies, shrub steppe	113
Glomus caledonium WY grasslands, prairies, shrub steppe	113
Glomus claroideum WY grasslands, prairies. shrub steppe	113

Table 5. A list of 1,760 species found within or near the boundaries of the Eastside Ecosystem Management Project for which there is not adequare information on which to base special concern status. ? which appear with states under Disuibudon denote fungi that have been reported close to the arbitrary boundaries imposed by EEMP.

Name Distribution Habitat	Sources
Basidiomycotina	
Ectomycorrhizal	
Boletes	
Boletus abieticola Thiers ID, OR, WA under conifers (fir)	17, 123
Boletus appendiculatus Schff. ex Fr. ID, OR, WA under hardwoods and mixed woods	17, 126
Boletus barrowsii Thiers & Smith ID, OR, WA under both hardwoods and conifers (spruce and fir)	17. 123
Boletus calopus Fr. **ID coniferous** and mixed woods	59, 120, 126
Boletus calopus var. frustosus (Snell & Dick) Miller & Watling ID, OR, WA coniferous and mixed woods	17.58
Boletus **coniferarum Dick & Snell** ID under conifers	17, 59, 120, 123
Boletus **edulis Bull. ex Fr.** WY, ID favors conifers (pine. spruce. hemlock, fir) but grows with hardwoods (oak, birch)	1, 15, 61, 65, 120. 123
Boletus edulis ssp. pinicola (Vitt.) Konr. & Maubl. ID, OR, WA under spruce in mountains	17, 123
Boletus erythropus (Fr. ex Fr.) Pers. WY, ID deciduous and coniferous woods. especially on low chalk soils	13. 17, 126
Boletus fibrillosus Thiers ID, OR, WA **on ground** in **mixed** woods and under conifers	17. 123
Boletus haematinus Hailing ID. OR, WA **under** western mountain conifers	17, 123
Boletus mirabilis Murrill ID on or near rotting conifers (especially hemlock)	17, 61, 65, 120, 123
Boletus mottii Thiers ID favors conifers (pine, spruce, hemlock, fir) but grows with hardwoods (oak, birch)	17, 120, 123
Boletus pallidus Pk. WY under hardwoods	15, 123
Boletus piperatus Fr. WY, ID on ground in woods, mainly conifers	5, 17. 120. 123
Boletus porosporus (Imler) Watling ID, OR, WA in woods and under trees, often near trails or on roadbanks	17, 123
Boletus pulcherrimus Thiers & Halling ID in mixed woods and under conifers	17.66. 120. 123
Boletus pulverulentus Opatowski ID, OR, WA coniferous and deciduous woods	17, 123
Boletus radicans Pers. ex Fr. ID deciduous woods	120, 126
Boletus regius Kromb. ID, OR, WA on ground in woods under conifers and live oak	17, 65, 123
Boletus rubripes Thiers ID associated primarily with conifers	17.65, 120. 123

Table 5. (cont.)

Name Distribution	Habitat	Sources
Boletus smithii Thiers ID associated with conifers		17, 65, 120, 123
Boletus spadiceus Fr. **ID** on ground in woods with a varier;. ... sts		17, 120, 123
Boletus subglabripes Pk. ID. OR, WA on or near wood or in sawdu... ...v coniferous)		17, 123
Boletus subtomentosus Fr. **WY, ID on ground in woods with** a variety of		15, 17. 120, 123
Boletus truncatus (Singer, Snell & Dick) Pou... ID. OR, **WA** in woods and under trees, often near tr... ...oadbanks		17.65, 123
Boletus zelleri Murr. **WY. ID on ground or rotten wood, under** alder		1, 17, 65, 120. 123
Fuscoboletinus aeruginascens (Sec.) Pomerleau & Smith ID under mountain conifers, associated with larch		120, 123.128
Fuscoboletinus ochraceoroseus (Snell) Porn. & Smith ID under mountain conifers, associated with larch		17, 61, 120, 123
Leccinum aurantiacum (Bull. ex St-Amans) S. F. Gray WY, ID duff under aspen & pines		1, 15. 17. 61.65, 120
Leccinum discolor Smith, Thiers, & Watling ID on soil under aspen		17. 63, 65. 120
Leccinum insigae Smith, Thiers, & Watling ID. OR, WA under aspen		17. 123
Leccinum scabrum (Fr.) S. F. Gray WY, ID under birch		15. 17. 57. 61. 120. 123
Leccinum vulpinum Watling ID, OR, **WA under spruces**		17. 126
Suillus albidipes (Pk.) Singer **WY, MT,** ID. **WA,** OR, P. contorta. P. monticola		15. 17, 21, 61, 65, 120
Suillus albivelatus Smith, Thiers, & Watling **ID under white pines**		17. 120
Suillus appendiculatus (Pk.) Smith & Thiers WA under fir		17.21
Suillus borealis Smith, Thiers, & Miller **ID under conifers (white pine, larch,** grand fir)		17, 64, 65, 120
Suillus brevipes (Pk.) Kuntze ID under conifers (2-, 3-needle pines. spruce)		21, 120, 123
Suillus brevipes (Pk.) Kuntze var. brevipes ID. OR?, **WA?, WY** P. contorta		21, 105, 1, 15, 17. 57. 65
Suillus brunnescens Smith & Thiers **WY, ID under pine**		10.21, 120
Suillus caerulescens Smith & Thiers OR?, **WA?,** ID **Douglas fir,** lowland fir, hemlock, redwood with larch present		17.21, 122
Suillus cavipes (Opat.) Smith & Thiers MT. ID, OR, WA Larix laricina, Larix occidentalis		17, 21, 57, 61, 120
Suillus flavogranulatus Smith, Thiers, & Miller ID, OR, WA under pines		17.64, 123
Suillus glandulosipes Thiers & Smith **WY under conifers (lodgepole pine)**		15.21

Table 5. (cont.)

Name Distribution Habitat	Sources
Suillus granulatus (Fr.) Kuntze WY, ID pine	15, 17, 21, 57, 65, 120
Suillus grevillei (Klotzsch) Singer ID Larix laricina	17. 21. 57. 61, 120
Suillus hirtellus (Pk.) Kuntze WY under conifers (pine)	15.21
Suillus imitatus Smith & Thiers WA? spruce, fir	17, 21
Suillus lakei (Murr.) Smith & Theirs WY, ID, OR?, WA? Pseudotsuga, hemlock, pine, fir, P. ponderosa	3, 15, 17, 21, 65, 120.
Suillus lakei (Murr.) Smith & Thiers var. pseudopictus Smith & Thiers ID, WA? Douglas fir, Abies, Picea	17.21
Suillus luteus (Fr.) S. F. Gray ID, OR, WA under conifers (pine)	17, 57. 65, 21
Suillus pallidiceps Smith & Thiers ID P. contorta	17, 21.121
Suillus ponderosus Smith & Thiers OR?, WA? Douglas fir, P. contorta, hemlock	17.21
Suillus pseudobrevipes Smith & Thiers WY, ID P. contorta	1. 15. 17, 21.65
Suillus punctatipes (Soell & Dick) Smith & Thiers WA?, OR? MT?. WY?. ID? Douglas fir, hemlock, fir	17.21
Suillus ruber Singer & Sipe, ex Singer ID, OR? P. engelmannii	21
Suillus sibiricus (Sing.) Sing. WY, ID. OR, WA P. monticola	15. 17, 21, 65, 120
Suillus subolivaceous Smith & Thiers . ID. OR, WA under conifers (white 'pine)	17, 21, 65, 120
Suillus tomeotosus (Kauff.) Sing., Snell & Dick WY, ID, OR, WA? under 2-needle pines	1, 15. 17, 21, 57, 61, 65
Suillus umbonatus Dick & Snell WY, ID, WA, OR P. contorta	1, 15, 17.21, 120
Tylopilus amylosporus (Smith) Smith ID, OR, WA under red alder	17
Tylopilus iodecisus (Pk.) Murrill ID, OR, WA mixed woods under hardwoods (oak)	17. 123
Tylopilus pseudoscaber (Secr.) Smith & Thiers ID, OR, WA in open mixed woods	17. 57, 61, 65, 59
Basidiomycotina Ectomycorrhizal Gilled mushrooms	
Amanita brunnescens Atk. WY under hardwoods	15
Amanita cokeri (Cilb. & Kuhoer) Gilbert ID under oak and pine	32, 123
Amanita constricta Thiers & Ammirati ID, OR, WA, WY, MT in woods associated mainly with oaks	32, 123
Amaoita francheti (Boud.) Fayod. ID, OR, WA on ground in mixed forests	32, 120, 121, 122

Table 5. (cont.)

Name Distribution Habitat	Sources
Amanita gemmata (Fr.) Gillet WY, ID under conifers	13, 32, 121. 122
Amanita inaurata Secr. WY underhardwoods	1, 15
Amanita muscaria (L. ex Fr.) Hook. WY, ID under conifers (pine, spruce, fir) and hardwoods (birch, aspen); often accompanied by Boletus edulis	1, 15, 121
Amanita muscaria (Linnaeus ex Fr.) Pers. ex S.F. Gray var. alba WY, ID, WA? in forests at edges: mycorrhizal hosts include pine, spruce, fir, birch, aspen	13, 31, 32, 120. 123
Amanita muscaria var. muscaria (L. per Fr.) Hooker OR, WA?, ID in forests at edges; mycorrhizal hosts include pine, spruce, fir, birch, aspen	31.32, 120, 123
Amanita pachycolea Thiers & Ammirati **WY, ID under mixed woods,** conifers	5, 122
Amanita paotherioa (DC. ex Fi.) Secr. WY, ID under conifers	1, 15, 120. 121
Amanita pantherina (DC: Fr.) var. velatipes (Atk.) Jenkins **WY** on **ground in mixed** forests	5, 32
Amaoita pantherina var. pantherina (DC. per Fr.) Krombh. **ID. OR, WA** on **ground in** mixed forests	32
Amanita pantherina var. pantherinoides (Murr.) Jenk. WY, WA on ground in mixed forests	3.32 .
Amanita phalloides (Fr.) Link. in Wildenow OR, WA on ground in mixed forests, especially under oak; wide range of mycorrhizal hosts	32, 123
Amanita porphyria (Alb. & Schw. ex Fr.) Secr. WY. OR?, WA?, ID under conifers	15, 32, 120. 121. 122
Amanita rubesceos (Pers. ex Fr.) S. F. Gray WY coniferous and deciduous woods	1, 15, 126
Amaoita vagioata (Fr.) Vitt. WY under conifers (pine. spruce, fir)	1, 15. 32
Amanita vaginata var. alba ID coniferous and deciduous woods	120, 123
Amanita velosa (Pk.) Lloyd. OR? live oak	32
Catatbelasma ventricosa (Pk.) Singer **WY under conifers (mainly spruce** and fir)	**105, 123**
Chroogomphus leptocystis (Sing.) Miller ID on ground under conifers (hemlock, fir, Douglas fir, pine)	**120, 121, 123**
Chroogomphus ochraceus (Kauff.) 0. K. Miller ID on ground under **conifers** (particularly pine)	120, 121, 123
Chroogomphus rutilus (Schaeff. ex Fr.) 0. K. Miller WY, ID. MT lodgepole pine	15, 120, 121
Chroogomphus tomentosus (Murr.) Miller ID, MT on ground under conifers (hemlock, fir, Douglas fir, pine)	**120. 121. 122. 123**
Cortinarius adalberti Favre ex Moser WY spruce woods	10, 13. 126
Cortinarius ahsii McKn. & Dubiin WY under lodgepole pine	2. 3, 8, 15
Cortinarius alboviolaceus ID in forest humus, mainly hardwoods	120.121, 123

Table 5. (cont.)

Name Distribution Habitat	Sources
Cortinarius allutus (Secretan) Fr. WY coniferous woods, to edge	10, 126
Cortinarius alpinus Boud. WY alpine meadows, shrubby heaths	6, 126
Cortioarius anomalous Fr. WY, ID under conifers and hardwoods	15. 120, 121, 122
Cortinarius armeniacus (Schaeff.: Fr.) Fr. WY under conifers	6, 10
Cortinarius arquatus Fr. WY, ID coniferous woods	3, 15, 120, 126
Cortinarius atkinsonianus Kauffm. WY under conifers	15
Cortinarius aureofulvus Moser WY under hardwoods	10. 123
Cortioarius aureopulverulentus Moser WY coniferous woods	13. 126
Cortinarius balteatus (Fr.) Fr. WY, ID under conifers and hardwoods, often ericaceous shrubs	15, 120, 123
Cortinarius bivelus Fr. WY under conifers	9, 123
Cortioarius boudieri R. Henry WY under beeches	15, 126
Cortinarius bovious Fr. WY coniferous woods	5. 126 .
Cortinarius brunneo-fulvus Fr. WY coniferous and deciduous woods	15, 126
Cortinarius cacaocolor ID western coniferous forests	120, 121, 123
Cortioarius callisteus Fr. WY under lodgepole pine	8. 123
Cortinarius calochrous Fr. WY under conifers and hardwoods	15. 123
Cortinarius calochrous Fr. var.. coniferarum Moser WY coniferous and mixed woods	10,126
Cortioarius calopus Karst. WY coniferous woods	13. 126
Cortinarius camphoratus Fr. ID coniferous and deciduous woods	120, 121, 122, 126
Cortinarius caninus (Fr.) Ft. WY, ID under hardwoods and conifers	6, 120, 121, 123
Cortinarius cedretorum Maire WY under aspen, spruce and fir	13, 123
Cortinarius ciooamomeus (L. ex Fr.) S. F. Gray WY, ID under conifers (pine)	1, 15, 120, 121. 123
Cortinarius claricolor Fr. ID spruce woods	122, 126
Cortinarius collinitus var. collinitus f. caeruliipes Smith WY under aspen and conifers	15, 123

Table 5. (cont.)

Name Distribution Habitat	Sources
Cortinarius collinitus var. collinitus (Fr.) S. F. Gray WY, MT under aspen and conifers	15. 121,123
Cortinarius, collinitus var. olympiana Smith WY under aspen and conifers	15. 123
Cortinarius collinitus var. trivialis f. repandus Karst. WY under aspen and conifers	15. 123
Cortinarius collinitus var. trivialis (Lange) Smith WY under aspen and conifers	15, 123
Cortinarius cotoneus Fr. ID especially under beeches	120. 121. 126
Cortinarius crassus Fr. WY, ID under conifers, lodgepole pine	15. 121. 123
Cortinarius croceofolius ID under mountain conifers (especially pine)	12. 123
Cortinarius deceptivus Kauffm. WY coniferous woods	15, 126
Cortinarius delibutus Fr. WY under conifers and ericaceous shrubs	1, 15. 123
Cortinarius diosmus Kuehner WY coniferous woods	10, 126
Cortinarius duracinus (Fr.) Fr. WY under conifers (spruce)	6, 123
Cortinarius elegantior Fr. WY under hardwoods	15. 123
Cortinarius elegantulus (Moser) Moser WY coniferous woods on chalk	13. 126
Cortinarius elotus Fr. WY especially coniferous woods	10, 126
Cortinarius erythrinus (Fr.) Fr. WY coniferous woods	10, 126
Cortinarius favrei Mos. ex Henderson WY alpine meadows and shrubby heaths	6. 126
Cortinarius flexipes Fr. ss. Kuehoer, 1961 WY coniferous woods	6, 126
Cortinarius fragrans Smith WY, ID under conifers	15, 120. 121, 122, 123
Cortinarius fraudulosus Britz WY especially with spruces	10. 126
Cortinarius fulmineus Fr. ID beech woods. mixed woods	120, 121. 126
Cortinarius fulvoochrasceos Henry WY coniferous woods (spruce)	10, 126
Cortinarius fuscoperonatus Kuehner WY coniferous and mixed woods (spruce, fir)	13. 126
Cortinarius glaucopus Fries. var. olivaceus Moser WY under conifers (especially spruce)	10, 123, 126
Cortinarius glaucopus (Schaeff. ex Fr.) S. F. Gray WY, ID under conifers (spruce)	1, 15. 120, 121, 123

Table 5. (cont.)

Name Distribution --- Habitat	Sources
Cortinarius griseoluridus Kauffm. WY under mountain conifers	6, 123
Cortinarius hemitrichus (Pers. ex Fr.) Fr. WY, ID under birches, less often conifer woods	1, 15. 120, 126
Cortinarius hercynicus (Pers.) Moser WY under conifers and mixed woods	6, 123
Cortioarius herpeticus Fr. ID acidspruce woods	120, 121, 1'6
Cortinarius humboldtensis Ammirati & Smith WY under pine	6
Cortinarius iliopodius Fr. WY alder bogs	15. 126
Cortinarius infractus Fr. WY, ID under hardwoods and conifers	3, 15. 120, 121. 122, 123
Cortinarius iodioides Kauffm. WY under conifers and ericaceous shrubs	15, 123
Cortinarius laniger Fr. WY, ID under spruce	1, 15, 120, 121. 122, 123
Cortinarius lucorum (Fr.) Lge. **ID coniferous woods**	120, 123. 126
Cortinarius metarius Kauffman ID, WY under spruce and fir	15, 120. 121, 123. 128
Cortinarius montanus Kauffman ID under old-growth western mountain conifers	120. 121. 123. 128
Cortinarius mucosus (Fr.) Fr. WY, ID under conifers (2-needle pines and spruce)	15, 59, 120. 121. 122, 123
Cortioarius obtusus Fr. WY, ID under pine and spruce	6, 120. 123
Cortinarius ochrophyllus Fr. **WY coniferous woods with** birches	10. 126
Cortinarius olympianus Smith WY, ID under conifers (spruce, fir, hemlock)	5, 120, 123
Cortinarius orellanus Fr. WY under conifers, often in moss	1, 123
Cortinarius paleaceus Fr. WY in mossy bogs under spruce,	6, 123
Cortinarius papulosus Fr. WY mixed and coniferous woods	13, 126
Cortinarius percomis Fr. **WY, ID under conifers**	1, 15, 120. 121. 122, 123
Cortinarius phoeniceus var. occidentalis Smith **WY, ID under conifers**	15, 120, 121, 122, 123
Cortinarius pinetorum (Fr.) Kauffman ID under pine and spruce in mountains	120. 121, 128
Cortioarius pluvius (Fr.) Fr. **WY with birches, also** coniferous woods	'6,126
Cortinarius porphyropus Fr. ID beechwoods	120. 126

Table 5. (cont.)

Name Distribution Habitat	Source
Cortinarius prasinus Fr. ss. Lge. ID under conifers	120, 121, 123, 126
Cortinarius pseudoarquatus ID associated with conifers (especially spruce)	120, 121, 123
Cortinarius raphanoides (Fr.) Fr. WY under pine	8, 15, 123
Cortinarius renidens Fr. WY coniferous woods	6, 8, 126
Cortinarius rigidus Fr. ss. Fr., Lge. WY with birches in mossy places, mixed coniferous woods	15, 126
Cortinarius rufoolivaceus Fr. WY, ID deciduous woods or mixed woods on chalky soil	1, 15, 120. 126
Cortinarius salor Fr. ID coniferous or deciduous woods	120. 121. 122, 123, 126
Cortinarius scandens Fr. WY under pine and spruce	., 15, 123
Cortinarius scutulatus Fr. **WY coniferous and mixed woods**	6. 126
Cortinarius semisanguineus (Fr.) Gill. WY, ID under conifers, often with ericaccous shrubs	15, 120,, 121, 122. 123
Cortinarius splendidus Pk. WY, ID associated with conifers	15, 120, 121. 123
Cortinarius subarquatos (Mos.) Mos. WY deciduous **and coniferous woods**	15. 126
Cortinarius subbalteatus Kuehn. **WY grassy coniferous woods**	15, 126
Cortinarius subfoetens Moser & McKnight nom. prov. **WY under hemlock and fir**	13, 123
Cortinarius subfoetidus Smith ID in duff and moss under conifers, especially hemlock and/or fir	120, 121. 122, 126,
Cortinarius subpurpureus Smith WY under conifers, often in moss	15, 123
Cortinarius tophaceus (Fr.) Fr. **WY, ID especially with beeches'**	15. 120. 126
Cortinarius traganus (Weinm. ex Fr.) Fr. WY, ID under conifers, often in mossy areas; often with Rozites caperata	1, 15. 120. 121, 122, 123
Cortinarius triformis Fr. **WY under conifers and hardwoods**	6. 123
Cortinarius triumphans Fr. WY, ID under hardwoods	15. 120, 123
Cortinarius trivialis Lge. ID under hardwoods (aspen)and conifers	120, 121, 123, 126
Cortinarius turgidus Fr. WY beech woods	15, 126
Cortinarius uraceus Fr. **ID coniferous woods**	120, 121, 126
Cortinarius vanduzerensis Smith & Trappe WY under conifers (spruce)	5, 123

Table 5. (cont.)

Name Distribution Habitat	Sources
Cortinarius variicolor Fr. WY under conifers (spruce)	15, 123
Cortinarius varius Fr. WY under conifers (spruce)	10, 123
Cortinarius venetus (Fr. ex Fr.) Fr. var. montanus Moser WY montane to subalpine woods	6, 126
Cortinarius virentophpllus Kauffm. WY under hardwoods	15, 123
Cortinarius zakii ID under conifers, especially pine	122. 123
Gomphidius glutinosus (Schaeff. ex Fr.) Fr. WY, ID under spruce, fir and Douglas-fir	1, 15, 120, 123
Gomphidius maculatus (Scop.) Fr. ID associated with Larix, and the fungi Suillus cavipes and Suillus grevillei	120. 123. 126
Gomphidius oregonensis Pk. ID Douglas fir & other conifers, often Suillus spp.	120. 123, 128
Gomphidius subroseus Kauffm. WY, ID under Douglas-fir. spruce, hemlock	3, 15, 120
Hebeloma aipinicola Smith, Evenson & Mitchel ID Pinus albicaulis	18
Hebeloma areolatum nom. prov. ID P. contorta	104
Hebeloma clavatum nom. prov. ID P. ponderosa	104
Hebeloma crustuliaiforme (Bull. ex Fr.) Quel. WY, ID under conifers. cottonwood and willow	1, 15, 120
Hebeioma decolorans nom. prov. ID pine	104
Hebeloma fastibile (Pers.: Fr.) Kummer ID, WY? in conifer woods	18, 120
Hebeloma flavidum nom. prov. ID hemlock, pine	104
Hebeloma idahoense Smith, Evenson & Mitchel ID, WY Engelmann spruce	5. 18
Hebeioma latisproum Smith, Evenson & Mitchel ID hemlock	18
Hebeloma luteolosporium nom. prov. OR? yellow pine, cedar	104
Hebeloma lutesceatipes Smith, Evenson & Mitchel OR? on humus at edge of beaver pond	18
Hebeloma marginatulum (Favre) Bruchet var. marginatulum ID alder	18
Hebeloma mesophaeum (Fr.) Quel. WY, ID under conifers	15, 122
Hebeloma mesophaeum (Fr.) Quelet var. mesophaeum ID? spruce	18
Hebeloma mesophaeum var. subobscurum Sm., Even. and Mit. ID on soil in conifer woods	18

Table 5. (cont.)

Name Distribution Habitat	Sources
Hebeloma microcysticum nom. prov. OR? spruce	104
Hebeloma nigromaculatum Smith, Evenson & Mitchel OR? pine, **hemlock**	18
Hebeloma occidentale Smith, Evenson & Mitchel OR? Alnus	18
Hebeloma odorum nom. prov. ID lodgepole pine	104
Hebeloma ollaliense Smith, Evenson & Mitchel **OR? Abies lasiocarpa**	18
Hebeloma oregonense Smith, Evenson & Mitchel var. oregonense OR? on humus	18
Hebeloma parcivelium Smith, Evenson & Mitchel OR? alder	18
Hebeloma payettense var. glutinosum nom. prov. ID spruce, fir.	104
Hebeloma perigoense Smith, Evenson & Mitchel ID under conifers	18
Hebeloma pinetorium Smith, Evenson & Mitchel OR? Gaultheria shallon, lodgepole pine	18
Hebeioma pseudofastibile var. distans Smith, Evenson & Mitchel ID on sandy soil	18
Hebeloma pungensSmith, Evenson & Mitchel OR? pine	18
Hebeloma sacchariolens Quel. ID under hardwoods (alder. willow)	120, 126
Hebeioma salmonense Smith, Evenson & Mitchel **ID in brushy areas**	18
Hebeloma sinapizans (Fr.) Gill. WY, ID under hardwoods (aspen), conifers (pine)	15. 120
Hebeioma stanleyease Smith, Evenson & Mitchel **ID pine**	18
Hebeioma strophosum (Fr.) Sacc. ID under conifers	120. 126
Hebeloma strophosum (Fr.) Sacc. var. occidentale Sm., Even. & Mitch. ID Engelmann spruce	18
Hebeloma subviscidum nom. prov. ID spruce, fir	104
Hebeloma velatum Pk. **WY under cottonwood**	5
Hebeloma vinaceogriseum Smith, Evenson & Mitchel **ID on wet soil in horse corral**	18
Hebeloma vinaceoumbriaum Smith **WY under alder**	5
Hygrophorus agathosmus (Fr.) Fr. WY,ID, WA?,OR under conifers (spruce)	1, 15.19, 120
Hygrophorus albiflavus Smith & Hesl. OR? on soil	19

Table 5. (cont..)

Name Distribution Habitat	Sources
Hygrophorus amarus Smith & Hesl. WY, ID, WA? spruce, Douglas fir	1, 15, 19, 120
Hygrophorus bakerensis Smith & Hesl. ID, OR?, WA? under conifers	19, 120
Hygrophorus borealis Pk. f. borealis WA?, OR?, WY?, ID on soil under conifers & deciduous trees	19
Hygrophorus burgdorfensis Smith & Hesl. ID lodgepole pine	19
Hygrophorus calophyllus Karst. ID, OR?, WA? fir, pine	19
Hygrophorus camarophyllus (Fr.) Dumee, Grandjean. et Marie ID. WY. OR?, WA? pine, spruce	10,19, 120
Hygrophorus capreolarius (Kalchbr.) Sacc. ID, OR?, WA? with spruce, in sphagnum bogs	19, 120
Hygrophorus chrysodon (Fr.) Fr. WY, ID under conifers (lodgepole pine)	3. 15, 19, 120
Hygrophorus cossus Fr. ID oak	1 9
Hygropborus cremicolor (Murr.) Murr. ID on soil in woods	19
Hygrophorus discoideus (Fr.) Fr. WY, ID, OR? sphagnum	15, 19
Hygrophorus eburneus (Fr.) Fr. ID. OR?, WA? on soil in woods, oak-pine, grassy areas. mycorrhizal with hardwoods	19, 120
Hygropborus ellenae Smith and Hesler ID pine, fir	19
Hygrophorus erubescens (Fr.) Fr. WY, ID under spruce, pine	1, 15, 120
Hygrophorus erubescens (Fr.) Fr. var. erubescens ID. OR?, WY? pine, spruce	19
Hygropborus erubescens var gracilis Smith & Hesl. OR?, WA? pine	19
Hygrophorus flavodiscus Frost apud Pk. ID, OR? pine	19
Hygrophorus fuscoalboides Hesler & Smith WY, ID on soil in woods	10.19
Hygrophorus fuscoalbus (Lasch) Fr. WY under conifers (pine)	15
Hygrophorus fuscoalbus (Lasch) Fr. var. fuscoalbus ID, OR?, WA? on soil	19
Hygropborus gliocyclus Fr. WY, ID, OR? under conifers (spruce, pine)	15, 19, 120
Hygrophorus glutinosus Pk. OR? on soil in deciduous woods	19
Hygrophorus goetzii Smith and Hesler OR? under conifers (hemlock, fir, spruce) near melting snow	19
Hygrophorus graveolens Smith & Hesl. OR? cedar, alder	19

Table 5. (cont.)

Name Distribution Habitat	Sources
Hygrophorus hypothejus (Fr.) Fr. WY, ID, OR?, WA? under pine	15. 19. 122
Hygtophorus inocybiformis Smith WY, ID spruce, balsam fir	15. 19, 120
Hygrophorus karstenii f. minor Bres. WA? Populus aichocarpa, Thuja plicatilis, Tsuga hcterophylla, Pseudotsuga taxifolia	19
Hygrophorus marzuolus (Fr.) Bres. WY, ID under conifers near melting snow	15. 19
Hygrophorus megasporus Smith & Hesl. OR? on humus or mossy areas. coniferous woods	19
Hygrophorus monticola Smith and Hesler ID under conifers (larch, spruce, fir)	19
Hygrophorus morrisii Pk. ID on soil under conifers	19
Hygrophorus niveus Fr. OR?, WA?, ID on humus & soil in deciduous & coniferous woods	19. 120
Hygrophorus nordmanensis Smith and Hesler ID hemlock	19
Hygrophorus occidentalis Smith & Hesl. OR? oak-pine	19
Hygrophorus odoratus Smith & Hesl. ID, OR? moist soil under conifers	19
Hygrophorus olivace'oalbus (Fr.) Fr. WY, ID under conifers (spruce, lodgepole pine)	1, 15. 120
Hygrophorus olivaceoalbus (Fr.) Fr. var. olivaceoalbus OR?. ID redwood, spruce	19
Hygrophorus olivaceoalbus var. gracilis Maire OR? under conifers (fir, pine. Douglas fir)	19
Hygrophorus pacificus Smith & Hesl. ID, WA? spruce	19
Hygrophorus penarius Fr. WA? hardwoods	19
Hygrophorus piceae Kuhn. & Romagn. ID, OR?, WA? spruce	19. 120
Hygrophorus pratensis (Fr.) Fr. var. pallida Kauffman WY, ID in open grass at forest edge	9, 120
Hygrophorus pratensis (Fr.) Fr. var. pratensis ID?, WA? on grassy areas	19
Hygrophorus pudorinus (Fr.) Fr. WY, ID under conifers (spruce, pine)	3, 120
Hygrophorus pudorinus var. fragrans (Murr.) Smith & Hesl. WY,OR? spruce, hemlock, redwood	15,19
Hygrophorus purpurascens (Fr.) Fr. WY, OR?, WA?, ID spruce, pine	1, 15, 19, 120
Hygrophorus pusillus Pk. ID, WY, OR? under conifers	5, 19
Hygrophorus pustulatus (Fr.) Fr. WY, ID, WA? fir, redwood	15, 19

Table 5. (cont.)

Name Distribution Habitat	Sources
Hygrophorus recurvatus Pk. ID, WA?, OR? under conifers, in pastures	19
Hygrophorus russula (Fr.) Quel. WA?, ID oak, oak-pine	19, 120
Hygrophorus saxatilis Smith & Hesl. ID, OR?, WA? under conifers	19, 120
Hygrophorus siccipes Smith & Hesl. OR? pine barren	19
Hygrophorus speciosus Pk. ID on humus, in bogs, under conifers, esp. larch, pine	120. 127
Hygrophorus speciusus Pk. var. speciosus ID, OR?, WA? under larch	19
Hygrophorus subalpinus Smith WY, ID, OR?, WA? under conifers	2, 15, 19, 120
Hygrophorus subpungens Smith & Hesl. OR? on wet soil near beaver pond	19
Hygrophorus subviolaceus Pk. ID, OR?, WA? on soil in swamps, deep humus. deciduous & coniferous woods	19. 120
Hygrophorus tephroleucus Fr. WY, ID under conifers	1, 15, 120
Hygrophorus tephroleucus (Fr.) Fr. var. tephroieucus ID, OR? sphagnum	19
Hygrophorus variicolor Murr. OR?, WA? on soil	19
Hygrophorus velatus Hesl. & Sm. ID on soil under conifers	19
Hygrophorus veraalis Smith WA? under conifers, near snow banks	19
Hygrophorus vinicolor Hesl. & Sm. ID on mossy bank	19
Inocybe boltonii Heim WY, ID in deciduous or coniferous woods	6, 120
Inocybe calamistrata (Fr.) Gill. WY, ID on the ground under conifers	6, 121. 123
Inocybe calospora Quelet WY on soil	13
Inocybe geophylla (Sow. ex Fr.) Kumm. WY under lodgepole pine, Douglas-fir	3. 15
Inocybe geophylla var. geophylla Kuyper ID, MT Quercus. Fagus, Carpinus, Tilia, Betula, Picea, Pinus, Larix	120. 121
Inocybe geophylla var. lilacina ID, WY under lodgepole pine, Douglas-fir	5, 21, 120
Inocybe griseolilacina Lange WY Fagus, Quercus, Castanea, Corylus	6, 133
Inocybe lacera (Fr.) Kummer var. heterocystis Favre WY under aspen	6
Inocybe lanuginosa (Bull. : Fr.) Kummer WY, ID under conifers	10,120, 121

Table 5. (cont.)

Same Distribution Habitat	Sources
Inocybe maculata Boud. **ID** in woods	121
Inocybe praetervisa Quelet WY coniferous woods	10
Inocybe pudica Kuhner WY, ID under pine, Douglas-fir	10,121
Inocybe sororia Kauffm. WY, ID under hardwoods, in mixed woods, live oak, pine	6, 15. 120. 121
Inocybe terrigena (Fr.) Kuhner WY under conifers and aspen	6
Laccaria amethystina **ID, MT** on **soil in** forests & at edges	121
Laccaria laccata (Scop. ex Fr.) Cke. WY, ID, MT under pine, spruce, fir	1, 15. 120. 121, 122
Laccaria laccata var. pallidifolia (Pk.) Pk. ID Pinaceae, Fagaccae, Betulaceae	106
Laccaria montana Singer ID, MT?, WA? Pinaceae, Betula, Salix	106
Laccaria nobilis Smith apud G. M. Mueller ID. WA? infrequently Pinaceae	106
Laccaria proxima (Boudier) Patouillard ID Pinaceae. Sphagnum	106
Lactarius affinis var. viridilactis (Kauffm.) ID? suspected mixed conifers	20
Lactarius alnicola Smith WY under conifer (spruce), and mixed woods with alder	15
Lactarius alnicola Smith var. alnicola ID, OR?, WY?. (W.U.S.) alder	20
Lactarius alpinus Pk .var. alpinus ID, OR?. WA? alder	20
Lactarius alpinus var. mitis ID, OR?, WA? alder	20
Lactarius aspideus (Fr.) Fr. **WA?, ID on soil in woods**	20, 120. 121
Lactarius auraatiacus (Fr.) S. F. Gray **WY, ID hardwood forests,** under red beech	15.120.121
Lactarius caespitosus WY, ID, WA? spruce-fir	1, 15.20
Lactarius carbonicola Smith ID on old burns, mossy soil, dried-up woodland pools	20
Lactarius cascadensis OR? alder	20
Lactarius circellatus var. borealis ID, OR?, WA? birch	20, 122
Lactarius controversus (Fr.) Fr. WY, ID, OR?. MT Populus, Salix	15.20. 120, 121
Lactarius deliciosus (L. ex Fr.) S. F. Gray WY, ID under lodgepole pine, Engelmann spruce	1, 15. 120. 121, 122

Table 5. (cont.)

Name Distribution Habitat	Sources
Lactarius deliciosus var. areolatus Smith ID, WY mixed conifers	3, 15.20
Lactarius deliciosus var. oiivaceosordidus Hesl. & Smith WY under sitka spruce	15
Lactarius deliciosus var. piceus F. Smotl. WY on fallen needles of Picea excelsa & moss	15
Lactarius deterrimus Groger WY under spruces	13, 136
Lactarius fallax ID under conifer esp. fir occas. rotting wood	120
Lactarius fallax Smith & Hesl. var. fallax OR?. WA?, ID under conifers	20, 121
Lactarius fragiiis var. rubidus Hesler and Smith OR?, WA? rotting conifer wood	20
Lactarius glyciosmus (Fr.) Fr. ID birch, alder	20, 120. 121, 122
Lactarius gossypinus Hesler & Smith (1979) WY pine, fii	1, 2, 15.20
Lactarius helvus Fr. WY with coniferous woods or birches	15. 126
Lactarius hepaticus Plowright **ID, WA? hemlock**	20
Lactarius hysginus Fr. var. hysginus **ID** under conifers	20
Lactarius hysginus var. americanus Hesler and Smith **ID? sequoia redwood**	20
Lactarius kauffmanii Sm. & Hesl. var. kauffmanii ID, WA?, OR? **on soil under** conifers	20
Lactarius lepidotus Hesler and Smith **WA?** Alder	20
Lactarius lignyotus Fr. var. canadensis **N.A.** sphagnum bogs under spruce	20
Lactarius lignyotus Fr. var. lignyotus **N.** A. **sphagnum,** damp conifer forests	20
Lactarius luculentus Burlingham var. luculentus **OR?** Douglas fir	20
Lactarius nanus Favre WY Salix herbacea	7, 126
Lactarius necator (Fr.) Karst. ID under conifers & birch	121
Lactarius occidentalis Smith OR?, WA? Thuja, Alnus	20
Lactarius olivaceo-umbrinus Hesl. & Sm. ID, OR?, WA? on soil, under conifers	20
Lactarius olympianus Hesl. & Smith **WY,** WA?, ID sitka spruce	15.20, 122
Lactarius pallescens Hesl. & Sm. var. pallescens **ID,** OR?, **WA?** on soil, **humus, moss** in conifers	20

Table 5. (cont.)

Same Distribution Habitat	Sources
Lactarius pseudodeceptivus Hesl. & Sm. WA?, OR? on soil under conifers	20
Lactarius pseudomucidus Hesl. & Sm. ID, OR?, WA? under conifers	20
Lactarius pubescens Fr. WY, ID under hardwoods (birch) and conifers (lodgepole pine)	15. 120. 121. 122
Lactarius pubescens Fr. var. pubescens ID. OR? bitch	20
Lactarius representaneus Britz. WY, ID spruce-fir zone	15.20. 120
Lactarius resimus Fr. ID birches, coniferous & deciduous woods	120. 121. 126
Lactarius resimus (Fr.) Fr. var. resimus Fr. WY, ID, OR under hardwoods (birch. aspen) and conifers (fir, pine)	15.20
Lactarius resimus var. regalis Pk. **ID aspen**	20
Lactarius rubrilacteus Hesl. & Smith WY, ID, OR?, WA? under Douglas-fu and pine	15.20
Lactarius rufus (Scop. ex Fr.) Fr. WY, ID, MT under lodgepole pine, Engelmann spruce	1, 15. 120. 1'1, 122
Lactarius rufus var. parvus var. Hesler and Smith ID Thuja plicata	20
Lactarius sanguifluus (Paulet ex Fr.) Fr. ID under pines	120. 121, 126
Lactarius scrobiculatus (Scop. ex Fr.) Pers. **WY. ID under** conifers (lodgepole pine)	15, 120, 121
Lactarius scrobiculatus var. canadensis Smith **ID under conifers**	20. 122
Lactarius semisanguifluus Heim & LeClair WY, ID on damp grassy calcareous soil under pines or in peat moss	1.120. 121
Lactarius subdulcis (Pers. ex Fr.) S. F. Gray WY. ID under conifers, hardwoods (aspen, cottonwood, willow, alder	1, 15. 121
Lactarius thyinos Smith WY, ID under pine. spruce	1, 15. 121
Lactarius torminosus (Fr.) S. F. Gray var. torminosus ID Betula	20
Lactarius torminosus (Schaeff.) Fr. WY, ID under aspen, birch and conifers (lodgepole pine)	15, 120, 121
Lactarius torminosus var. nordmanensis Smith ID aspen, birch, hemlock	20. 122
Lactarius uvidus Fr. WY, ID under aspen, birch and conifers (lodgepole pine)	15. 122
Lactarius uvidus (Fr.) Fr. var. montanus **ID under conifers**	20
Lactarius uvidus (Fr.) Fr. var. uvidus **ID mixed & conifer woods**	120, 121
Lactarius vietus (Fr.) Fr. **ID birch**	20

Table 5. (cont.)

Name Distribution Habitat	Sources
Leucopaxillus **amarus (Alb. & Schw. ex Fr.)** Kuhn. WY, ID conifers (pine), live oak	15, 119 120 171-122
Leucopaxilius giganteus (Fr.) Sing. WY, ID mixed forest, spruce and fir	15. 120,121
Limacella glishra (Morg.) Murr. ID rich soil in woods	120. 127
Paxillus atrotomentosus (Batsch: Fr.) Fr. ID around conifers, usually dead	120, 121, 122, 131
Paxillus involutus Fr. WY, ID, MT undermixed woods	15. 120. 121, 122
Rozites caperata (Pers. ex Fr.) Karst. WY, ID under conifers or hardwoods	1, 15. 120, 121
Russula adusta (Pers.) Fr. WY under conifers (pine, spruce)	15, 126
Russula aeruginea Lindbl. ex Fr. WY, ID under conifers (lodgepole pine, spruce) or hardwoods (live oak, aspen birch)	1. 15. 120, 121
Russula albonigra (Krombh.) Fr. WY, ID under conifers and hardwoods	15. 120, 121
Russula aipina (Blytt) Moel. & Schff. WY in alpine areas with dwarf willows	6, 126
Russula brevipes Pk. WY, ID under conifers (lodgepole pine, spruce)	1.120. 122
Russula chamaeleontina Fr. WY in mixed forest	15
Russula claroflava Grove **WY under** conifers (lodgepole pine), hardwoods (birch, aspen)	5
Russula consobrina Fr. **WY under spruce**	15. 126
Russula cyanoxantha Schff. ex Fr. **ID under conifers and hardwoods**	121, 126
Russula decolorans Fr. WY, ID under conifers (lodgepole pine)	15, 120, 121
Russula densifolia (Secr.) Gill. **WY, ID on acid ground** under conifers and hardwoods	15. 120. 121. 122, 126
Russula emetica (Schaeff. ex Fr.) S. F. Gray WY, ID under conifers (pine, spruce) or mixed woods, with Sphagnum	1. 15. 120, 121
Russula firmula J. Schff. WY under conifers	10, 126
Russula foetans Fr. WY, ID, MT under conifers or hardwoods	6, 120, 121
Russula fragilis (Pers. ex Fr.) Fr. **WY, ID under conifers and hardwoods**	1, 15, 121, 126
Russula laurocerasi Melzer ID in mixed deciduous woods	120, 121, 122, 134
Russula nigricans (Bull.) Fr. **ID under conifers**	120. 121, 122, 123, 126
Russula obscura Romagn. **WY under conifers**	15, 123

Table 5. (contj

Name Distribution Habitat	Sources
Russuia occidentalis **ID under conifers**	120, 121, 122. 123
Russula olivacea (Schff. ex Secr.) Fr. **ID under conifers (spruce)** and hardwoods	120, 121, 126
Russula pelargonia Niolle JD under deciduous trees	120, 122, 126
Russula placita ID under conifer woods	**120.123**
Russula queletii Fr. WY under conifers (spruce)	**13. 105**
Russula rosacea Pers. ex S. F. Gray **ID under conifers** and hardwoods	**121.122.126**
Russuia variata Banning WY under hardwoods (oak. **aspen),** mixed woods	**15**
Russula veternosa Fr. WY under conifers and in mixed woods	**15.123**
Russula virescens Fr. WY under hardwoods (birch, oak) and mixed woods	**15**
Russula xerampelina (Schaeff. ex Secr.) Fr. WY, ID under conifers (hemlock, Douglas-fir, lodgepole pine, spruce)	1, 15. 120, 121, 123
Tricholoma albobruoneum (Fr.) Kummer **WY, ID under conifers** (lodgepole pine)	**9,120, 121,123**
Tricboloma atroviolaceum Smith **ID under conifers**	**28.120, 121,123**
Tricholoma aurantium (Schaeff. ex Fr.) Ricken WY under conifers (Engelmann spruce) or hardwoods (aspen), in mixed woods	**1, 15**
Tricholoma cheilolaminum Overbo ID under conifers	**28, 123**
Tricholoma cystidiosum Smith OR? P. ponderosa	**28**
Tricholoma flavobrunneum(Fr.) Kumm.' WY hardwoods or mixed woods. esp. with birch	**15. 123**
Tricholoma flavovirens (Pers. ex Fr.) Lund. **WY, ID under** pine, spruce. aspen	**15.28, 120.121, 122**
Tricholoma focale (Fr.) Ricken **WY conifers (lodgepole pine)**	**1, 2, 15.28, 120, 122, 123**
Tricholoma guttatum (Schaeff.: Fr.) Sacc. WY grassy conifers and mixed woods	**6,126**
Tricholoma imbricatum (Fr.) Kumm. **WY, ID under conifers** (lodgepole pine, spruce)	**15,** 120, 121, 123
Tricholoma inamoenum (Fr.) Kumm. **WY, ID under conifers**	15, 120, 123
Tricholoma leucophyllum Over. & Tylut. WY, ID under aspen	1. 15.28, 123
Tricholoma myompces (Pers.) Lange WY under lodgepole pine, Douglas-fir	**2, 15, 123**
Tricholoma nigrocystidium Overbo **ID under conifers**	28

Table 5. (cont.)

Name Distribution Habitat	Sources
Tricholoma pardinum Quel. WY, ID under conifers (fir), mixed woods	15.28, 120, 121
Tricholoma ponderosum (Pk.) Sacc. WY, ID under conifers (lodgepole pine)	2, 15, 119. 120, 121, 122
Tricboloma populinum Lange ID, WA Populus	28
Tricholoma portentosum (Fr.) Quel. WY, ID under conifers (pine), and hardwoods	15.28, 120.121, 123
Tricholoma saponaceum (Fr.) Kumm. WY. ID under conifers (lodgepole pine, spruce), mixed woods	1, 15. 28, 120. 121, 123
Tricboloma scalpturatum (Fr.) Quel. WY underhardwoods	1, 123
Tricholoma sejunctum Quel. ID in conifer woods	28,120, 121,122, 126
Tricholoma sulphureum (Bull.: Fr.) Kumm. WY under conifers and hardwoods	5,123
Tricholoma terreum (Schff. ex Fr.) Kummer ID, MT coniferous and deciduous woods on limestone	120, 121. 126
Tricholoma vaccimum (Pers. ex Fr.) Kumm. WY, ID under conifers (spruce, pine, fir)	1, 15, 28, 120, 121, 123
Tricholoma virgatum (Fr.) Kumm. WY, ID under conifers, mixed woods	15, 28, 120,122
Tricholoma virgatum (Fr.) Kummer var. vinaceum Overbo ID under conifers	28
Tricholoma zelleri (Stuntz & Smith) Overbo & Tylutki WY, ID under conifers (lodgepole pine)	2. 10.15, 28, 2, 15, 120, 121. 122
Basidiomycotina Ectomycorrhizal False truffles	
Alpova diplophloeus f. diplophloeus (Zeller & Dodge) Trappe & Smith OR?, WA?, WY? hypogeous under or near alder	114. 123
Alpova diplophloeus (Zeller & Dodge) Trappe & Smith WY, OR, WA hypogeous under or near alder	14. 118
Brauniellula nanceyae Smith WY in duff under conifers (especially fir and pine)	14, 15. 123
Chamonixia brevicolumna Smith & Singer ID spruce-fir	117
Gastroboletus turbinatus (Snell) Smith & Sing. var. turbinatus ID, OR?, WA? under high elevation Abies	117
Gastroboletus turbinatus (Snell) Smith & Singer ID. OR, WA under conifers, high elevation Abies	17.60, 65, 67
Gastroboletus turbinatus var. flammeus Smith ID under conifers, high elevation Abies	117
Gautieria graveolens Vitt. WY, ID in duff under conifers	3. 15. 120, 123
Gautieria monticola (Harkn.) Harkn. WY in duff under conifers	13, 14, 123

Table 5. (cont.)

Same Distribution	Habitat	Sources
Hymenogaster subochraceous Smith		3, 15, 123
WY	on soil or duff under conifers esp. fir, spruce, lodgepole or ponderosa pine	
Hysterangium coriaceum Hesse		122, 123
	ID in humus or soil, usually buried, under hardwoods & conifers	
Leucogaster rubescens Zeller & Dodge		14
WY	conifers, Douglas fir	
Rhizopogon abietis Smith		118
ID, WY?	spruce, fir	
Rhizopogon albidus Smith		118
	ID P. albicaulis, Abies	
Rhizopogon albiroseus Smith		118
	ID Abies lasiocarpa	
Rhizopogon alpestris Smith		118
	ID Abies. Picea	
Rhizopogon anomalus Smith		118
	ID larch, pine, hemlock	
Rhizopogon arenicola Smith		118
	ID lodgepole pine	
Rhizopogon argillaceus Smith		118
	ID spruce	
Rhizopogon argillasens Smith		118
	WA P. contorta	
Rhizopogon atroviolaceus Smith		118
	ID pine, spruce, fir	
Rhizopogon aurantiacus Smith		118
	ID spruce, fir	
Rhizopogon bacillisporus Smith		118
	OR? hypogeous under conifers	
Rhizopogon brunneifibrillosus Smith		118
	ID. OR? hypogeous under mixed conifers	
Rhizopogon brunneiniger Smith		118
	OR? Alnus, Tsuga	
Rhizopogon butyraceus Smith		118
	ID Douglas fir	
Rhizopogon cinerascens Smith		118
	ID hypogeous under mixed conifers	
Rhizopogon clavitisporus Smith		118
	ID hypogeous under conifers	
Rhizopogon cokeri Smith		118
	ID white pine	
Rhizopogon colossus Smith var. colossus		118
	OR?, WA? lodgepole pine	
Rhizopogon cusickiensis Smith		118
	WA Douglas fir	
Rhizopogon cylindrisporus Smith		118
	ID hypogeous under conifers	
Rhizopogon deceptivus Smith		118
	ID hypogeous under conifers	

Table 5. (cont.)

Name Distribution Habitat	Sources
Rhizopogon defectus Smith ID hypogeous under conifers	118
Rhizopogon diabolicus Smith ID in a roadside under conifers	118
Rhizopogon evadens Smith WY hypogeous under conifers (lodgepole pine)	14
Rhizopogon evadens Smith var. evadens OR?, ID lodgepole pine	118
Rhizopogon evadens var. subalpinus Smith ID Pinus albicaulis	118
Rhizopogon fallax Smith ID, WY? P. contorta	118
Rhizopogon flavofibrillosis Smith ID hypogems under conifers	118
Rbizopogon florencianus Smith ID Abies. Picea	118
Rhizopogon fragrans Smith ID hypogeous under conifers	118
Rhizopogon griseogleba Smith ID, WY spruce	15, 118
Rhizopogon hawkeri Smith ID hypogems in rotten wood under conifers	118
Rhizopogon hysterangioides Smith ID hypogems under conifers	118
Rhizopogon inquinatus Smith ID cedar, hemlock	118
Rhizopogon kauffmanii Smith & Zeller ID hypogeous under conifers	118
Rhizopogon lactiflavus Smith ID Abies, Pinus	118
Rhizopogon luteoalboides Smith ID Picea engelmannii, Pinus albicaulis. Abies lasiocarpa	118
Rhizopogon luteoalbus Smith ID lodgepole pine	118
Rhizopogon luteoloides Smith ID P. albicaulis	118
Rhizopogon luteorubescens Smith ID hypogeous under conifers	118.120
Rhizopogon lutescens Smith ID hypogeous in rotten wood under conifers	118
Rhizopogon masonae Smith OR? hypogeous under conifers	118
Rhizopogon milleri Smith ID larch, pine	118
Rhizopogon molligleba Smith ID P. albicaulis, Abies	118
Rhizopogon monticola Smith ID Abies, Picea	118

Table 5. (cont.)

Same Distribution Habitat	Sources
Rhizopogon obscurus Smith ID P. contorta	118
Rhizopogon occidentalis Zeller & Dodge WY, ID, OR?, WA hypogeous under conifers (lodgepole pinej	11, 118, 120, 122
Rhizopogon ochraceisporus Smith **ID, WA?** fir	118
Rhizopogon ochraceobrunnescens Smith ID hypogeous under conifers	118
Rhizopogon ochraceorubens Smith WY, ID, OR? pine, lodgepole pine	13. 118. 120
Rhizopogon ochroleucoides Smith **ID, WA?** hypogeous under conifers	118
Rhizopogon ochroleucus Smith ID. OR? hypogeous under conifers	118
Rhizopogon odoratus Smith WA? P. ponderosa	118
Rhizopogon olivaceofuscus Smith ID spruce, fir, white pine	118
Rhizopogon olivaceoluteus Smith ID Abies	118
Rhizopogon oregonensis Smith OR? hypogeous under conifers	118
Rhizopogon parksii Smith OR?, ID sitka spruce	118, 122
Rhizopogon parvulus Smith ID Douglas fir, Abies. Larix	118
Rhizopogon pedicellus Smith ID, OR?, **WA?** pine	118
Rhizopogon ponderosus Smith OR? lodgepole & ponderosa pine	118
Rhizopogon proximus Smith **WA** Douglas fir, larch	118
Rhizopogon pseudoaffinis Smith **ID** fir, spruce	118
Rhizopogon pseudoalbus Smith ID spruce, fir	118
Rhizopogon pseudoroseolus Smith ID Pinus, Abies, Picea	118
Rhizopogon quercicola Smith OR? chinquapin oak	118
Rhizopogon rogersii Smith OR hypogeous under conifers	118
Rhizopogon roseolus Corda sensu Smith ID P. contorta	118
Rhizopogon rubescens (Tul.) Tulasne var. rubescens Smith ID, WA, WY hypogeous under conifers (lodgepole pine)	15. 118, 120, 122
Rhizopogon rubescens var. ochraceous Smith ID P. albicaulis	118

Table 5. (cont.)

Name Distribution Habitat	Sources
Rhizopogon rubescens var. pallidimaculatus Smith ID fir, pine	1 1 8
Rhizopogon rubescens var. rileyi Smith WY lodgepole pine	11, 14, 15, 118
Rhizopogon rudus Smith ID Douglas fir	118
Rhizopogon salebrosus Smith ID fir, pine	118
Rhizopogon semireticulatus Smith **WY, WA** Douglas fir, larch	11. 15. 118
Rhizopogon separabilis Zeller OR? hypogeous under lodgepole pine	118
Rbizopogon sordidus Smith WA. ID P. ponderosa	118
Rhizopogon subareolatus Smith OR? pine	118
Rhizopogon subcaerulescens Smith var. subcaerulescens Smith WY, ID hypogeous under conifers (lodgepole pinej	14
Rhizopogon subcaerulescens Smith var. viridescens Smith ID. OR, WA hypogeous under conifers (hemlock)	118
Rhizopogon subcaeruiescens var. subpannosus Smith ID hypogeous under conifers	118
Rhizopogon subcipnamomeus Smith ID hypogeous under conifers	118
Rhizopogon subcitrinus Smith ID hypogeous under conifers	118
Rhizopogon subclavitisporus Smith **ID hypogeous under mixed conifers**	118
Rhizopogon subcroceus Smith ID pine	118
Rhizopogon subgelatinosus Smith ID pine; spruce. fir, lodgepole pine	118
Rhizopogon sublateritius Smith **ID P. ponderosa**	118
Rhizopogon subolivascens Smith ID hypogeous under conifers	118
Rhizopogon subpurpurascens Smith ID, WY hypogeous under conifers (lodgepole pine, fir)	15, 118
Rhizopogon subradicatus Smith WA? P. ponderosa	118
Rhizopogon subsalmonius Smith var. subsaimonius ID, WY? balsam, spruce	118
Rhizopogon subsalmonius var. griseolilascens Smith ID Abies lasiocarpa	118
Rhizopogon subsalmonius var. persicinus Smith ID spruce	118
Rhizopogon subsalmonius var. roseitinctus Smith ID Pinus albicaulis, Abies lasiocarpa	118

Table 5. (cont.)

Name Distribution Habitat	Sources
Rhizopogon subsaimonius var. similis Smith ID spruce, fir	118
Rhizopogon udus Smith ID Picea, Pinus contorta	118
Rhizopogon umbrinoviolascens Smith ID, WA Douglas fir, larch	118
Rhizopogon variabiliosporus Smith ID spruce, fir'	118
Rhizopogon ventricisporus Smith ID spruce, white- bark pine	118
Rhizopogon vesiculosus Smith ID, WA? lodgepole pine	118
Rhizopogon villescens Smith- ID fir, pine	118
Rhizopogon villosulus Zeller ID, OR? hypogeous in rotten wood under conifers	118
Rhizopogon vinicolor Smith WY, ID Douglas fir. hemlock, Abics	15. 118
Rhizopogon viridis Zeller & Dodge ID pine	118
Rhizopogon vulgaris (Vitt.) M. Lange ID hypogeous under conifers	118. 122
Rhizopogon zelleri Smith ID, OR? hypogeous under conifers	118
Thaxterogaster pingue (Zeller) Singer & Smith Wf. ID hypogeous under high elevation fir	14, 15. 120
Truncocolumella citrina var. separabilis Smith ID Douglas fir	117
Truncocolumella citrina Zeller ID, OR, WY Douglas fir	117, 3. 15
Basidiomycotina Ectomycorrhizal polypores	
Albatrellus cristatus (Fr.) Kotl. & Pouz. ID, WA, OR under hardwoods	17. 123
Albatrellus flettii (Morse) Pouz. WY, ID on ground in mixed woods, under conifers (pine)	1, 6. 15, i7. 120, 123
Albatrellus ovinus (Fr.) Kotl. & Pouz. ID on ground in mixed woods and under conifers (spruce)	17.59. 71. 100. 120. 123
Albatrellus pescaprae (Fr.) Pouz. ID, WA, OR on ground in woods	17. 59, 71, 102. 123
Albatrellus sylvestris Pouzar ID, OR, WA under conifers	17. 123
Cantharellus cibarius Fr. WY, ID on ground in conifer woods	1, 15, 17, 68, 69, 71, 120, 122, 123
Cantharellus infnndibuliformis Fr. ID in moss and humus and on rotting wood in cold damp coniferous forests and bogs	17, 120. 122, 123
Cantharellus subalbidus Smith & Morse ID on ground under second-growth conifers	17, 71, 73, 120. 122, 123

Table 5. (cont.)

Name Distribution Habitat	Sources
Cantharellus tubaeformis Fr. ID, OR, WA in moss and humus and on rotting wood in cold damp coniferous forests and bogs	17, 68, 71, 73, 123
Cantharellus xanthopus (Pers.) Duby ID, OR, WA in moss and humus and on rotting wood in cold damp coniferous forests and bogs	17. 123
Clavulina cristata (Fr.) Schroet. **WY, ID under pine**	2, 15, 17. 120. 122, 123
Dentinum repandum (L. ex Fr.) S. F. Gray WY, , ID under mountain conifers	15. 17, 59, 89, 122, 123
Dentinum repandum var. album ID under conifers, especially Sitka spruce	120. 123
Gomphus bonari (Morse) Singer ID with mountain conifers	17, 120, 123
Gomphus clavatus (Fr.) S. F. Gray ID with conifers	17, 68, 71, 72, 120. 122. 123
Gomphus floccosus (Schw.) Singer ID rich humus in conifer forests (hemlock)	120. 122. 123
Gomphus kauffmanii (Smith) Petersen ID with conifers	17, 68, 71, 120, 123
Hydnum calvatum K. Harrison ID on soil in mixed woods & under conifers, spruce	17, 120
Hydnum fuscoindicum K. Harrison ID on soil in woods - conifers, hemlock. pine	17, 90.94, 120
Hydnum imbricatum L. ex Fr. WY, ID on soil in woods. conifers, spruce, fir	1, 15. 17, 105, 120
Lindtneria thujatsugina M. J. Larsen ID Thuja plicata, Tsuga heterophylla	116
Ramaria apiculata (Fr.) Donk **WY, ID on wood, woody debris under conifers**	5, 17, 77, 85, 119. 120
Ramaria araiospora var. araiospora Marr & Stuntz ID, OR, WA on the ground under western hemlock	17. 134
Ramaria aurea (Fr.) Quel. WY, ID on soil in hardwood forests	15.120. 131
Ramaria botrytis (Fr.) Ricken WY, ID on soil in hardwood forests	5. 17, 120, 131
Ramaria celerivirescens Marr & Stuntz ID, OR, WA on duff under conifers	17.77
Ramaria concolor f. tsugina (Pk.) Petersen ID, OR, WA on well rotted logs in conifer forests	17.77, 85
Ramaria conjunctipes var. tsugensis Marr & Stuntz ID, OR, WA on duff or moss in conifer forests (cedar, hemlock)	17.77
Ramaria cystidiophora var. citronella Marr & Stuntz ID in deep humus in mossy areas under conifers (cedar, hemlock)	17.77. 122
Ramaria flavigelatinosa Marr & Stuntz ID, OR, WA on the ground under western hemlock	17
Ramaria flavobrunnescens (Atk.) Corner WY. ID on soil under hardwoods and mixed wood	1,131
Ramaria geltinosa var. oregonensis Marr & Stuntz ID on the ground in conifer forests	17, 76, 77, 122

Table 5. (cont.)

Same Distribution Habitat	Sources
Ramaria graciiis (Fi.) Quel.	17,131
ID, OR, WA. on the ground under conifer forests	
Ramaria largentii Marr and Stuntz	15, 17.77
WY,? on the ground under conifer forest	
Ramaria longispora Marr & Stuntz	17, 122, 131
ID on the ground under western hemlock	
Ramaria magnipes Marr & Stuntz	17.77
ID, OR, WA in conifer and mixed woods	
Ramaria pusilla (Pk.) Corner	17.77
ID, OR, WA in humus under conifers	
Ramaria rasiiispora var. scatesiana Marr & Stuntz	17, 77
ID, OR, WA in humus under conifers	
Ramaria rubricarnata Marr & Stuntz	17, 77
LD, OR, WA in humus and litter under conifers	
Ramaria rubrievanescens Marr & Stuntz	17. 77
ID, OR, WA in deep duff	
Ramaria sandaracina Marr & Stuntz	17.77
ID. OR, WA on ground in duff under conifers	
Ramaria sanguinea (Pers. ex Secr.) Quel.	120. 131
ID in litter in mixed forests	
Ramaria strasseri (Bres.) Corner	17. 134
ID, OR, WA on the ground under western hemlock	
Ramaria stricta (Fr.) Quel.	17, 77, 82. 120. 131
ID in rotting conifer wood under conifer forests	
Ramaria testaceo-flava (Bres.) Corner	122, 134
ID under hemlock and mixed conifers	
Ramaria veiocimutans Marr & Stuntz	17.77, 122
ID in duff under conifers (cedar, hemlock)	
Ramaria vinosimaculans Marr & Stuntz	17.77, 122
ID in duff under conifers (cedar, hemlock)	
Sarcodon fuiigineo-vioiaceum (Kaichb.)	13, 131
WY under conifers	
Sarcodon imbricatus (L.:Fr.) Karst.	122,131
ID under conifers (spruce, pine)	
Thelephora terrestris Ehrh. ex Fr.	15, 120, 131
WY, ID on soil under conifers	
Basidiomycotina	
Saprouophic	
Gilled mushrooms	
Agaricus abruptibulbus Pk.	122. 126
ID sprucewoods	
Agaricus albolutescens Zeller	15, 121, 123
WY, MT hardwoods	
Agaricus augustus Fr.	1, 15, 120, 123
WY, ID hardwood and conifer woods, disturbed areas	
Agaricus campestris L. ex Fr.	2, 15, 120, 121, 122. 123
WY, ID grasslands	
Agaricus hondensis Murr.	1, 15, 123
WY hardwoods and coniferous forests	

Table 5. (cont.)

Name Distribution Habitat	Sources
Agaricus hortensis (Cke.) Pilat. ID in compost, manure, mushroom cultures	59, 120, 126
Agaricus macroporus (Moeii. et **Schff.)** Pilat. MT woody grassland, pasture	121, 126
Agaricus meleagris J. Schaeff. WY. ID, MT along roads in hardwoods and coniferous forests	10, 121, 122. 123
Agaricus nivescens (Moell.) Moell. ID meadows, pasture	121. 122. 126
Agaricus perrarus Schulz. WY, ID in coniferous woods	6, 120, 123
Agaricus rodmani Pk. WY hardpacked soil	15, 123
Agaricus semotus Fr. WY hardwoods and coniferous forests	10, 123
Agaricus silvicola (Vitt.) Pk. WY, ID in coniferous woods	1, 15. 120, 121, 123
Agaricus suhrutilescens (Kauff.) Hots. & Stuntz WY in conifer woods	2. 15. 123
Agaricus xanthoderma Gen. ID woods, meadows, gardens	121. 126
Agrocybe acericola (Pk.) Sing. WY on decayed hardwood wood	2, 15, 123
Agrocybe erebia (Fr.) Kuhner apud Sing. WY, ID on ground in hardwoods and coniferous forests	1, 120. 121, 123
Agrocybe pediades (Pers. ex Fr.) Pa yod WY, ID in grassy areas	1. 15, 122, 123
Agrocybe praecox (Pers.; Fr.) Fayod WY, ID on wood chips and in woods	6, 121, 123
Agrocybe semiorbicularis (Bull. ex Fr.) Fay. ID meadows, pasture	121, 126
Armillaria aiboianaripes Atk. WY, ID in conifer woods. along paths	2, 119, 120. 121, 122, 123
Armillaria albolaoaripes f. albolanaripes Atk. WY under mountain conifers	15, 123
Armillaria buibosa (Barla) Kiie & Watling WY growing from rots or buried wood	9. 123
Armiliaria fusca Mitchei & Smith WY in conifer woods. along paths	15, 123
Armillaria pitkinensis Mitchel & Smith WY in conifer woods, along paths	15. 123
Armillaria straminea var. americana Mitchel & Smith WY in conifer woods, along paths	15. 123
Armiliarieila meiiea (Vahi ex Fr.) Karst. WY, ID growing from roots or buried wood	1, 15. 120, 121. 122, 123
Auriscalpium vuigare S. F. Gray ID on rotting, often buried cones of conifers (Douglas fir) or on debris of decaying cones	17, 89, 119, 123
Baeospora myosura (Fr.) Singer ID cones (often buried) of Douglas-fir or spruce or pine	12, 62, 120, 126

Table 5. (cont.)

Name Distribution Habitat	Sources
Baeospora myriodophylla (Pk.) Singer WA well decayed wood in moist mixed woods	62
Bolbitius vitellinus Fr. WY, ID, MT dung, manured grass	15, 121. 123
Cheimonophyllum candidissimum (Berk. & Curt.1 Sing. ID, MT on dead deciduous twigs	119, 120, 121. 122. 123. 126
Clitocybe adustiterricola Bigelow OR on burned earth	23
Clitocybe albidula Pk. WY under pines or in mixed woods	15.23
Clitocybe albirhiza Bigelow & Smith WY, ID Engelmann spruce	1, 15, 23
Clitocybe aiexandri (Gillet) Gillet WA? spruce	23
Clitocybe alnicoia Bigeiow WA Alnus	24
Clitocybe aiutaceotincta Bigelow WY on humus under conifers	24
Clitocybe **americana Bigeiow** OR?, WA? hardwoods	23
Clitocybe angustifolia (Kauffm.) Bigelow WA? under or near conifers	23
Clitocybe arvaiis Bigelow WA? on ground in cultivated field	24
Clitocybe atrobrunnea Bigelow ID, WY? on sandy soil or moss	24
Clitocybe atroviridis Bigeiow WA in **open** on thin soil or moss, grass, lichens. coniferous woods	23.24, 59. 126
Clitocybe aveiianeiaiba Murr. ID, OR?, WA? in humus or on very decayed logs under conifers	23, 120. 121, 122. 123
Clitocybe **aveiianeifolia Bigeiow.** WA? on moss or needles under conifers	24
Ciitocybe badioferruginea Bigelow WA? on moist soil and humus near conifers	24
Clitocybe **candicans (Fr.) Kumm.** ID, OR?, WA? on ground under hardwoods, sometimes conifers	23, 123, 126
Ciitocybe caperata Bigeiow **ID under conifers**	23
Clitocybe catervata Bigeiow ID under conifers, rarely hardwoods	23
Ciitocybe ceiata Bigeiow WY on ground among herbaceous plants	2 3
Ciitocybe cereoceps Bigelow WA? Douglas fir	23
Clitocybe cerussata (Fr.) Kumm. ID, OR?, WA? spruce, pine	23
Ciitocybe clavipes (Pers. ex Fr.) Kummer ID, OR, WA under conifers, occasionally hardwoods or mixed woods	23. 120, 121. 122,126

Table 5. (cont.)

Same Distribution Habitat	Sources
Clitocybe **coacta Bigelow** WA on humus in mixed woods	24
Clitocybe **concava (Scop. ex Fr.) Giliet** OR?, WA? on needles under conifers	24, 126
Clitocybe **coniferophila Bigelow** WY, WA? pine, spruce	2, 15, 23
Clitocybe **crassa Bigelow & Smith** ID spruce	23
Clitocybe crenulata Bigelow ID. OR? on soil and moss	24
Ciitocybe cyathiformis (Fr.) Kumm. ID. OR?, WA? on or near logs or stumps of conifers or hardwoods, sometimes on soil or humus	24, 123
Clitocybe dealbata (Fr.) Kumm. ssp. sudorifics (Pk.) Bigelow OR?, WA? grassy areas	23
Clitocybe dealbata (Sow. ex Fr.) Kummer ID, MT under conifers and mixed woods	121, 123, 126
Clitocybe deceptiva Bigelow ID, WA, OR, MT damp places under conifers	23, 121. 122. 133
Clitocybe densifolia (Favre) Bigelow & Smith ID. WA? in **mixed** woods or under conifers	23
Ciitocybe diatreta (Fr.) Kumm. ID, WY pine, rarely aspen, birch	15.23
Clitocybe dilatata Pers. ex Karst. WY, ID, OR, WA in open on bare soil or in low vegetation, often on roadsides	10, 23. 120, 21, 122. 123
Clitocybe ditopa (Fr. ex Fr.) Gillet ID, WA on soil under conifers (pine)	24, 120. 121 126
Clitocybe epichysium (Fr.) Bigelow ID, OR?, WA?, WY mixed woods and under conifers	3, 24, 123
Clitocybe epigaea Bigelow ID on wet soil	24
Clitocybe fasciculata Bigeiow & Smith ID on **ground along roads**	23, 123
Ciitocybe flaccida (Fr.) Kumm. OR, WA spruce, **aspen, alder,** birch	24, 121
Ciitocybe geotropa (St. Amans) Quel. **ID hemlock, spruce, fir, maple,** aspen	24
Clitocybe gerardiana (Pk.) Sacc. WA? sphagnum	24
Clitocybe gibba (Fr.) Kummer var. gibba ID on leaves and humus usually under hardwoods. sometimes mixed woods or conifers	24, 120, 121
Ciitocybe gigantea (Fr.) Quélet ID, WA? under conifers	23
Clitocybe gilvaoides Kauffm. ID under conifers (spruce)	24
Ciitocybe glaucocana (Bres.) Bigelow & Smith WA? cedar swamp?	23
Clitocybe giutiniceps Smith OR?, WA? pine	23

Table 5. (cont.)

Name Distribution Habitat	Sources
Clitocybe gracilis (Bigelow & Smith) Harmaja OR? grassy woods, spruce woods, old fire sites	24, 126
Clitocybe griseifolia Murr. WA? on humus in woods	23
Clitocybe harperi Murr. **OR?, WA? on humus under mixed woods,** hardwoods, or conifers (often spruce)	23, 123
Clitocybe idahoensis Bigeiow **ID spruce**	23
Ciitocybe impoiita Bigelow **WY? aspen. spruce, lodgepole pine**	23
Ciitocybe inornata ssp. occidentalis Bigeiow **ID. WA? under hardwoods or conifers**	23
Clitocybe intermedia Kauffm. **ID, OR? along trails, roadways,** or open woods	24, 120, 121
Ciitocybe inversa (Fr.) Quél. ID on ground under mixed conifers	24, 120, 121, 123
Clitocybe irina (Fr.) Bigelow & Smith WY, ID **spruce**	1. 15.23. 120
Clitocybe irina var. luteospora Bigelow & Smith **ID hemlock.** spruce. aspen	23
Clitocybe kalchbrenneri (Bres.) Raitheihuber **ID, OR, WA** on soil and needles under conifers or exposed soil in roadway	24, 126
Clitocybe ieopardina Bigelow **OR?** pine, oak	23
Ciitocybe leptoloma (Pk.) Pk. **WY** on **spruce logs**	23
Ciitocybe madefacta Bigeiow ID **hemlock,** pine	24
Clitocybe martiorum Favre **ID, WA pine, hemlock, yew, spruce**	24
Clitocybe maxima (Fr.) Kumm. **ID, WA?. WY? aspen, alder**	24, 120. 121, 122
Clitocybe metachroa (Fr.) Kumm. **ID, OR pine**	24
Clitocybe mitis Bigeiow **ID, OR?. WA?, WY spruce, larch**	15, 24
Ciitocybe muiticarpa Bigelow **ID, WA spruce, hemlock, pine**	24
Ciitocybe murina Bigelow **WA on needle bed under conifers**	24
Clitocybe mutabiis Bigelow WY, ID OR?, WA? on soil and **needles** under conifers, occasionally in mountain meadows or at edges of snowbanks	2, 15, 24
Ciitocybe nebularis (Fr.) Kumm. WY, ID, OR?, WA? **under hardwoods** and conifers	15, 23, 120, 121, 123
Ciitocybe nuda (Fr.) Bigeiow & Smith **WY, OR?, WA? on organic debris in woods**	2, 15.23, 123
Clitocyhe obsoleta (Fr.) Quél. ID, OR?, WA?, WY? damp places under conifers	23, 123

Table 5. (cont.)

Name Distribution Habitat	Sources
Clitocybe odora (Bull. ex Fr.) Kumm. WY under mountain conifers	15, 121. 123
Clitocybe odora (Fr.) Kumm. var. odora WY?, ID usually under hardwoods on leaves and humus, sometimes mixed woods, rarely under conifers	23. 120
Clitocybe odora (Fr.) Kummer var., pacifica Kauffman WY, ID, OR?, WA? under conifers	10, 23, 120, 121
Clitocybe onisca (Fr.) Raithelhuber ID, OR, WA Polytrichum	24
Clitocybe oregonensis Murr. OR on ground in mixed woods	2 4
Clitocybe pallidipes Bigelow ID on wood	24
Clitocybe patelliformis Bigelow OR?, WA?. ID in arcs under conifers	23
Clitocybe payettensis Bigelow ID on moss and algae on wet rocks	24
Clitocybe peltigerina (Pk.) Sacc. ID on soil and old lichens	24
Clitocybe phyllophila (Fr.) Kumm. WA? P. resinosus, birch	23
Clitocybe praemagna (Murr.) Bigelow & Smith WY, ID prairie and sagebrush'	3. 15. 23, 123
Clitocybe profundidisca Bigelow ID on soil in open or under conifers	24
Clitocybe pseudodicolor Raithelhuber ID, OR? on needle beds under conifers	24
Clitocybe pseudoirina Bigeiow & Smith WY spruce	2, 15, 23
Clitocybe pseudomarginella Bigelow ID, WA?, WY? on needles under conifers, under alders near conifers	3, 15.33
Clitocybe pubescenetipes Bigeiow ID on soil or moss, greenhouse pots	24
Clitocybe pungens Bigelow ID on soil under conifers	24
Clitocybe pyxidata (Fr.) Singer ID, OR, WA usually on moss in open, sometimes wet sand or gravel	24
Clitocybe rainierensis Bigelow WA on soil or moss of wet road banks	24
Clitocybe ramigena Bigelow ID, OR? on moss, mossy logs and stumps of both conifers and hardwoods, sometimes on humus	23
Clitocybe robusta Pk. WY, ID on humus, in open hardwoods or under conifers	2, 15. 23, 120, 123, 126
Clitocybe saeva (Fr.) Bigelow & Smith OR? in woods, pastures	23. 123
Clitocybe sclerotoidea (Morse) Bigelow WA?, ID pine	23. 120
Clitocybe senilis (Fr.) Gillet ID, OR? under conifers, sometimes hardwoods or mixed woods	23, 121

Table 5. (cont.)

Same Distribution Habitat	Sources
Clitocybe septentrionaiis (Sing. & Smith) Bigelow ID, OR under conifers (ponderosa pine)	23. 123
Clitocybe sinopica (Fr.) Kumm. var. sinopica OR?, WA?, WY?, ID on sandy soil along road sides and paths, sometimes open woods, burnt ground, rarely on wood	24, 121.
Clitocybe smithii Bigelow ID, OR? spruce, fir	23
Clitocpbe sparsivestita Bigelow WA on moss	24
Clitocybe squamulosa (Fr.) Kummer var. montana Bigelow WY, ID, WA? Alnus	9, 24
Clitocybe squamulosa var. sicca Bigelow ID, WA?, WY? alder rarely	24
Clitocybe squamulosa var. squamulosa (Fr.) Kumm. WY in conifer forests	15. 123
Clitocybe subalpina Bigelow & Smith WA on sandy soil along road or edges of woods near conifers	2 3 . 1 2 3
Clitocybe subcanescens Bigelow ID hemlock, cedar. pine	23
Clitocybe subclavipes Murr. OR, WA on humus in hardwoods, rarely on needles under conifers	23
Ciitocybe subconnexa Murr. ID, OR?, WA?, WY in conifer and hardwood woods, forest edges	23, 105, 120, 121. 123
Clitocybe subditopoda Pk. OR? pine, spruce	24
Clitocybe sublutea Smith OR, WA under alder	23
Clitocybe subsalmonea Lamoure **MT? on soil in road through hardwoods or mixed woods, alpine zones with Dryas**	24, 126
Clitocybe subvelosa Smith & Stuntze ID. WA cedar, hemlock alder	24
Clitocybe tarda Pk. Bull. ID, OR?, WA? on soil of cultivated or fertilized areas, compost piles , manure, sawdust heaps; or on soil under pine	23. 123
Clitocybe tarda var. tarda Pk. WY grassy areas	**15, 123**
Clitocybe tenuissima Romagnesi ID, OR spruce, pine	23
Clitocybe thujana Bigelow ID, OR?, WA? Thuja	23
Clitocybe trullaeformis (Fr.) Quél. ID, OR?, WA? on humus under conifers and hardwoods (alder)	23
Clitocybe umbrinipes Bigelow & Smith WA? aspen	23
Clitocybe variabilis Murr. ID, OR?, WA? spruce, fir, pine	23
Clitocybe variispora Bigelow ID on ground	24
Clitocybe vermicularis subsp. americana Bigelow WA? on needles under conifers	23

Table 5. (cont.)

Name Distribution Habitat	Sources
Clitocybula atrialba (Murrill) Singer ID in rich humus or on rotting hardwoods	24. 120. 121. 123
Clitocybula familia (Pk.) Sing. WY, ID on rotting conifers	6, 120, 121. 122, 123
Collybia acervata (Fr.) Kumm. WY, ID. MT on rotting conifers	1, 15, 120, 121, 123
Collybia alkalivirens Singer **ID** on or near **very rotten conifer wood**	120, 121. 122, 128. 138
Collybia confluens (Pers. : Fr.) Kummer ID, MT on humus, decayed leaf litter under conifers, sometimes mixed woods or hardwoods	120, 121, 122, 123, 126. 138
Coliybia cookei (Bres.) Arnold MT on blackened fungal remains, rich humus or rotten wood in mixed forests	121. 123. 138
Collybia dryophila (Fr.) Quel. WY, ID on humus **or** well-decayed wood in conifer or mixed forests	6, 15, 119, 120, 121, 123. 138
Conocybe lactea (Lge.) Metr. ID lawns. baseball fields. grassy places	121, 123, 126
Conocybe tenera (Schaeff.: Fr.) Kuhn. WY, ID in grassy areas	5, 121, 122, 123
Coprinus atramentarius (Fr.) Fr. WY. ID,, MT roadsides, around old cottonwood roots and stumps	15, 120, 121, 122, 123
Coprinus comatus (Muller ex Fr.) S. F. Gray WY. ID, MT roadsides, grassy areas. hard ground	1, 120, 121, 122, 123
Coprinus fimetarius (L.) Fr. WY dung, manured grass	15, 123
Coprinus micaceus (Fr.) Fr. WY, ID, MT grassy areas on roots or buried wood of cottonwood	15, 120, 121, 122, 123
Coprinus narcoticus (Batsch ex Fr.) Fr. **WY manure**	15, 123
Coprinus niveus (Pers. ex Fr.) Fr. **WY, ID on dung**	15, 121. 123
Coprinus patouillardi Quél. WY on dung	15, 126
Coprinus plicatilis (Curt. ex Fr.) Fr. **ID grassy places. waysides**	122, 126
Coprinus radiatus ID on dung, compost and manure	121
Coprinus stellatus Buller **WY on horse.** dung	15
Crepidotus amygdalosporus Kuehner WA? on plant remains	22, 126
Crepidotus applanatus (Pers.) Kumm. var. applanatus sensu Joss. ID on hardwoods, rarely conifers	22
Crepidotus cinnamomeus Hesler & Smith ID birch	22
Crepidotus circinatus Hesler & Smith WA on hardwood twigs	22
Crepidotus contortas Hesler & Smith WA Acer circinatum, Populus	22

Table 5. (cont.)

Name Distribution Habitar	Sources
Crepidotus **crocophyilus (Berk.) Sacc.** ID, WA? on deciduous, rarely coniferous wood	22. 126
Crepidotus ellipsoideus Hesler & Smith ID on deciduous, rarely coniferous wood	22
Crepidotus fimbriatus Hesler & Smith ID, WY? fir	22
Crepidotus fusisporus var. fusiporus Hesler & Smith WA on hardwood sticks, branches and logs	22
Crepidotus fusisporus var. simplex Hesler & Smith OR? on sticks	22
Crepidotus herbarum (Pk.) Sacc. OR? grassy spruce woods, deciduous logs and twigs, herbaceous stems	22. 126
Crepidotus lagenicystis Hesler & Smith WA on wood	22
Crepidotus lanuginosus Hesler & Smith **ID on** conifer sticks and branches	22
Crepidotus malachius var. trichiferus Hesler & Smith OR, WA, ID pine, hemlock	22
Crepidotus mollis (Fr.) Staude var. mollis ID, OR?, WA? on bark of deciduous. more rarely coniferous trees	22
Crepidotus montanensis Hesler & Smith MT birch	22
Crepidotus occidentalis Hesler & Smith WA Alnus	22
Crepidotus ocbraceus Hesler & Smith OR Alnus	22
Crepidotus pallidoluteus Hesler & Smith MT hemlock	22
Crepidotus payettensis Smith **WY, ID lodgepole pine**	.5, 22
Crepidotus pseudoflammeus Hesler & Smith WA? Alnus	22
Crepidotus pubescens Bres. sensu Kuhner & Romagn. ID, OR on fallen twigs and leaves of deciduous and coniferous trees	22
Crepidotus rainierensis Hester & Smith **WA?** on conifer logs	22
Crepidotus regularis Hesler & Smith ID, WA. OR on hardwoods, rarely conifers	22
Crepidotus stratosus Hesler & Smith ID hardwood and coniferous wood	22
Crepidotus subapplanatus Hesl. & Smith WY on branches and twigs of fallen hardwoods	15, 123
Crepidotus submollis Murr. WA?, OR? on fallen hardwood twigs and branches	22
Crepidotus subsphaerosporus (Lange) Kuehner & Romagn. ID. WA? deciduous wood or bark	22, 126
Crepidotus sububer Hesler & Smith ID Populus	22

Table 5. (cont.)

Name Distribution Habitat . --	Sources
Crepidotus subverrucisporus Pilat var. subverrucisporus OR? on hardwoods	22
Crepidotus subverrucisporus var. roseifolius Hesler & Smith OR? on hardwoods	22
Crepidotus variabilis var. trichocystis Hesler & Smith **ID on** hardwoods and conifers and debris	22
Crepidotus villosus Hesler & Smith **WY?, ID, WA? on hardwoods** and conifers and debris	22
Cyptotrama chrysopeplum (Berk. & Curt.) Sing. WY logs and sticks of aspen	15,123
Cystoderma amianthinum (Scop. ex Fr.) Fay. var. rugoso-reticulatum ID on soil needles, moss beds under conifers	120. 123, 126
Cystoderma amianthinum (Scop. ex Fr.) Fayod **WY, ID under conifers,** spruce, often in moss	15, 119, 120, 123
Cystoderma cinnabarinum (A. & S. ex Secr.) Fayod WY on decayed wood, needles, humus, moss under conifers	15,126, 128
Cystoderma fallax Smith & Sing. WY, ID under conifers sometimes on rotting wood	15, 120, 123
Cystoderma granulosum (Batsch ex Fr.) Fayod WY, ID under conifers	3, 15. 119, 120, 123
Entoloma sericeum (Bull. ex Mérat) Quél. ID grassy places, more rarely woods	15, 120. 121. 126
Entoloma sinuatum (Bull. ex Fr.) Kummer WY, ID deciduous woods on loam, field edges, woody meadows	1, 120, 121, 126
Flammulina velutipes (Curt. ex Fr.) Karst. WY. ID, WA. OR stumps, logs and roots of aspen, occasionally wound parasite	1, 15, 62, 120. 123
Galerina acicola Smith & Singer OR on conifer needles	25
Galerina agloea Smith & Singer WA? on conifer needles	25
Galerina anelligera Smith & Singer ID wet duff under conifers	25
Calerina atkinsoniana Smith var. atkinsoniana OR, WA?, ID? on moss carpets under conifers, on mossy logs	25
Galerina autumnalis (Pk.) Smith & Sing. WY. ID rooting wood and debris of aspen and conifers	1, 5, 24, 119, 120. 123
Galerina autumnalis var. angusticystis Smith **WA? on rotting logs of hardwoods**	25
Gaierina badipes (Fr.) Kuhner OR?, WA?, ID? on rotting remnants of conifers	25,126
Galerina brunneimarginata (Murrill) Smith & Singer **WA?** on lawns and organic debris	25
Galerina camerina (Fr.) Kuhn. WA? on remains of wood or peat	25, 126
Galerina camerinoides Smith **OR** on moss on rocks	25
Galerina cascadensis Smith & Singer **WA?** detritus left by avalanches	25

Table 5. (cont.)

Name Distribution Habitat	Sources
Galerina castanescens Smith & Singer ID on conifer logs	25
Galerina cedretorum (Maire) Singer OR?, WA?, ID in humus or debris under conifers	25, 120, 123, 126
Galerina cedretorum var. bispora Smith & Singer OR?, WA? on conifer needles	25
Galerina cedretorum var. filiformis Smith & Singer WA? on rotten conifer & herbaceous debris	25
Galerina cerina Smith & Singer ID?, OR?, WA?, WY? on moss (Polytrichum, rarely Sphagnum, Dicranum)	25
Galerina cerina var. brachycystis Smith & Singer WA? on moss (Polytrichum piliferum)	25
Galerina cerina var. bresadolae Smith & Singer WA? on rotten, often mossy wood	25, 126
Galerina cerina var. longicystis Smith & Singer WA? on mossy logs	25
Galerina cerina var. luteovelata f. luteovelata Smith & Sing. WA? on mossy or standing trunks	25
Galerina cerina var. luteovelata f. occidentalis Smith & Sing. WA? on mossy logs	25
Galerina cortinarioides Smith WA? on rich loam, sand and humus	25
Galerina decipiens var. separans Smith & Singer WA? on moss (Polytrichum)	25
Galerina diabolissima Smith ID moss cover over exposed soil	25
Galerina dimorphocystis Smith & Singer WA alpine dwarf shrub heaths	25, 126
Galerina evelata var. fulvipes Smith & Singer WA? on mosses (Polytrichum and Sphagnum)	25
Galerina fallax Smith & Singer WA? on conifer wood	25
Galerina fibrillosa Smith WA? on rich loam, sand and humus	25
Galerina fontinalis Smith ID on wet soil	25
Galerina funariae Smith & Singer WA? on moss (Funaria) on burnt ground	25
Galerina fuscobrunnea Smith OR? on rich loam, sand and humus	25
Galerina heterocystis (Atk.) Smith & Singer OR?, WA?, WY? on conifer needles	25
Galerina insignis Smith WA? detritus left by avalanches	25
Galerina jaapii Smith & Singer ID?, OR?, WA? on rich loam, sand and humus	25
Galerina lacustris Smith WA? among mosses & sedges	25

Table 5. (cont.)

Name Distribution Habitat	Sources
Galerina lateritia (Murr.) Singer WA? ondeadwood	25
Galerina laticeps Smith OR? on conifer wood (Douglas-fir)	25
Galerina latispora Smith & Singer var. latispora WA? on moss	25
Galerina mammillata (Murr.) Smith & Singer ID, OR?. WA? on conifer wood	25. 120
Galerina megalocystis Smith & Singer WY? on conifer wood	25
Galerina minima (Pk.) Smith & Singer ID, WA?, OR? on moss over sterile soil	25
Galerina mniophila (Lasch) Kuhner ID. MT, WA, OR in moss in conifer forest, alders	25. 126
Galerina moelleri Bas WY in moss, esp. marshy places, alpine zones	10. 126
Galerina mollis Smith & Singer var. latifolia Smith WA? on debris of herbaceous material	25
Galerina mollis Smith & Singer var. mollis WA? remains of herbaceous stems	25
Calerina mycenoides (Fr.) Kuhn. ID on marsh mosses & plant remains	120. 126
Galerina nordmaina Smith & Singer ID on moss	25
Galerina occidentalis Smith WA? on rich loam, sand and humus	25
Galerina odora Smith WA? on rich loam, sand and humus	25
Galerina oreina Smith & Singer WA? on moss	25
Galerina paludosa (Fr.) Kuhner ID. OR, WA on moss (Sphagnum)	25
Galerina payettensis Smith & Singer ID wet moss under **conifers**	25
Galerina perplexa Smith ID pine	2 5
Galerina pistillicystis (Atk.) Smith & Singer WA? on rotten logs among moss	25
Galerina pruinatipes Smith WA? on conifer wood	25
Galerina pseudostylifera Smith ID on rotting conifer logs	25
Galerina pteridicola Smith WA? on old fern petioles	25
Galerina pubescentipes Smith & Singer ID on conifer logs	25. 120
Galerina pulchra Smith & Singer **WA?** on **mossy conifer logs**	25

Table 5. (cont.)

Name Distribution Habitat	Sources
Galerina pumila (Pers. ex Fr.) M. Lange ex Sing. OR?, WA? mossy soil. often among lichens	25, 126
Galerina pumila (Pers. ex **Fr.) M. Lange** var. subalpina Smith ID, OR, WA, WY, MT on **moss** beds, especially Dicranum. at high elevation under subalpine fii	25
Calerina rainierensis Smith WA? on wet soil	25
Galerina rudericola Smith WA? on debris left by avalanches	25
Galerina rugisperma Smith WA? on rich loam, sand and humus	25
Galerina semilanceata (Pk.) Smith & Singer ID?, OR?, WA? on lawns and grassy areas	25
Calerina sideroides (Fr.) Kuhner WA?, ID on conifer wood	25. 122
Galerina stylifera (Atk.) Smith & Singer ID, OR, WA, WY, MT on hardwood logs	25
Galerina stylifera var. badia Smith & Singer ID on hardwood logs	25
Galerina stylifera var. velosa Smith & Singer ID on hardwood logs	25
Galerina subdecurrens Smith WA? rich humus under **alder**	2 5
Galerina subfiliformis Smith WA? under conifer wood	25
Galerina subglabripes Smith & Singer WA? on debris	25
Galerina tatooshiensis Smith WA? on moss	25
Galerina tibiicystis ID on moss (Sphagnum)	119
Galerina triscopa (Fr.) Kuhner MT, OR?, WA?, ID? on mossy deciduous & coniferous wood	25
Galerina triscopa (Fr.) Kuhn. var. triscopa f. longicystis Smith & Sing. **ID on decayed mossy conifer log**	25
Galerina tundrae Smith & Singer WA? on rich loam, sand and humus	25
Galerina umbrinipes Smith OR? **on moss under conifers**	25
Galerina unicolor (Fr.) Sing. WY, ID on rotten wood, burnt soil, more rarely moss on stream banks	5.25. 120, 126
Galerina vaccinii Smith WA? on stems of Vaccinium deliciosum	25
Galerina vialis Smith WA? on soil	25
Galerina vittaeformis (Fr.) Moser **WY,** OR?, WA?, ID on moss or mossy wood	10.25, 120, 126
Galerina vittaeformis var. albescens Smith & Sing. WA? on moss over soil **&** logs	25

Table 5. (cont.)

Name Disaibution Habitat	Sources
Gerronema cbrysophyllum (Fr.) Sing. ID on rotting coniferous tree trunks	119, 120. 126
Gerronema marchanteae Singer & Clemoncon WY on living & dead thalli of Marchantia paleacea, alpine zone	13, 126
Gymnopilus flavidellus Murr. WY growing on conifer wood	15, 123
Gymnopilus hybridus (Fr. : Fr.) Singer WY on trunks or dead wood in conifer woods	10, 126
Gymnopilus junonius (Fr.) Orton ID on or around stumps & trees in coniferous woods	120, 123
Gymnopilus liquiritae (Pers. ex Fr.) Karst. WY on trunks or dead wood in coniferous woods	5, 126
Gymnopilus penetrans (Fr. ex Fr.) Murr. ID on trunks or dead wood in coniferous woods	120, 126
Gymnopilus picreus (Pers. ex Fr.) Karst. ID on trunks or dead wood in coniferous woods	120, 126
Gymnopilus punctifolius (Pk.) Sing. WY, ID rotting wood and debris of aspen and conifers	15, 120, 123
Gymnopilus sapineus (Fr.) R. Marie WY, ID rotting conifer (pine) logs and debris	5, 120. 123
Gymnopilus spectabilis (Fr.) Sing. ID fallen deciduous tree trunks	120, 126
Gymnopilus terrestris Hesler WY, ID on ground under conifers	3, 9, 15. 120. 123
Hohenbuebelia petaloides (Bull. ex Fr.) Schulz. **WY, ID rotting or buried wood, woody debris**	15, 120, 123
Hygrophoropsis aurantiaca (Fr.) R. Marie WY, ID humus and rotting wood of conifers	5, 119, 120, 121. 122.123
Hygrophorus acutoconicus (Clements) Smith var. acutoconicus ID, MT?, WY? on soil & humus, in deciduous, coniferous, mixed woods	19
Hygrophorus acutus Smith & Hesl. OR? fir, redwood	19
Hygrophorus albicarneus Smith & Hesl. OR on soil next to melting snow	19
Hygrophorus atro-olivaceus Smith & Hesl. WA? in woods	19
Hygrophorus autoconica (Clements) Singer WY on ground in woods	15, 123
Hygrophorus cantharellus (Schw.) Fr. WY rich humus, soil, decaying logs, moss covered logs, bogs	1, 15
Hygrophorus ceraceus (Fr.) Fr. WA?, OR? on moss & soil	19
Hygrophorus chlorophanus (Fr.) Fr. ID, WA? on soil, open woods	19
Hygrophorus citrinopallidus Smith & Hesl. WA? tundra-like bank	19
Hygrophorus coccineus (Fr.) Fr. sensu Ricken OR? on soil in mixed, conifer, deciduous woods	19 .

Table 5. (cont.)

Name Distribution Habitat	Sources
Hygrophorus conicus (Fr.) Fr. WY, ID, OR? on ground in moist areas	1, 19.15. 120, 123
Hygrophorus cuspidatus Pk. WY?, WA? on humus & soil, deciduous, coniferous, mixed woods	19
Hygrophorus flavescens (Kauffm.) Smith & Hesl. WA? on soil & humus, in deciduous. coniferous, mixed woods	19
Hygrophorus hondurensis (Murr.) Murr. WA? on soil	19
Hygrophorus laetus (Fr.) Fr. ID, OR?, WA? on damp soil, woods. bogs on moss	19, 120
Hygrophorus marginatus Pk. var. marginatus ID, OR? on soil & humus. mixed woods	19
Hygrophorus miniatus (Fr.) Fr. var. miniatus ID on soil, among moss, on rotting logs & humus, deciduous & mixed woods	19, 120
Hygrophorus minutulus Pk. MT?, OR? grassy soil	19
Hygrophorus parvulus Pk. OR?, ID rhododendron	19, 120
Hygrophorus psittacinus (Fr.) Fr. var. psittacinus OR?, WA? in pastures. roadsides, coniferous & deciduous woods	19
Hygrophorus psittacinus (Fr.) Karsten WY, ID damp soil under hardwoods, with 'moss, humus grass	9. 120. 123
Hygrophorus puniceus (Fr.) Fr. WA? under hardwoods & conifers	19
Hygrophorus reai (Maire) J. Lange **WY under conifers**	9,19, 123
Hygrophorus singeri Smith & Hesl. var. singeri Smith and Hesler OR?, on wet bank under herbaceous plants	19
Hygrophorus squamulosus Ellis & Ev. WA? on rotten stumps, very rotten logs	19
Hygrophorus subceraceus (Murr.) Murr. OR? on soil under hardwoods	19
Hygrophorus turundus (Fr.) Fr. var. turundus ID, Ml?. OR?, WA? sphagnum	19, 120
Hygrophorus unguinosus (Fr.) Fr. var. unguinosus **WA? on soil & humus,** in swamps, in conifer & mixed woods	19
Hypholoma capnoides (Fr.) ex Fr. Kumm. **WY, ID on** conifer wood	I. 119, 120, 121, 122, 126
Hypholoma elongatipes Peck ID on marsh mosses	122, 126
Hypholoma fasciculare (Hods. ex Fr.) Kummer ID, MT, WY on logs, stumps of hardwoods and conifers	3, 15, 119 120. 121, 126
Lentinellus montanus 0. K. Miller WY on conifer stumps and debris	2, 15, 123
Lentinellus omphalodes (Fr.) Karst. ID on dead hardwood, rarely conifer wood	120, 121, 122, 135
Lentinellus ursinus (Fr.) Kuhn. ID on rotten, moist, often mossy hardwood	121. 135

Table 5. (cont.)

Name Distribution Habitat	Sources
Lentinus lepideus (Fr. ex Fr.) Fr. WY, ID. MT on conifer stumps and debris	15, 120. 121. 122. 123
Lentinus ponderosus 0. K. Miller WY, ID, MT on conifer stumps and debris	1, 15. 120. 131, 123
Lepiota acutesquamosa (Weinm.) Kumm. WY, ID, MT in woods on rich soil	15. 121. 123
Lepiota clypeolaria (Bull. ex Fr.) Kumm. WY, ID under conifers (Douglas-fir)	3. 15, 120, 121, 1'2. 123
Lepiota cristata (A. & S. ex Fr.) Kummer ID, MT grassy fields, gardens, thickets	120, 121, 122. 126
Lepiota ventriosospora Reid WY coniferous woods	6, 126
Lepista inversa (Scop. ex Fr.) Pat. ID coniferous woods	121, 126
Lepista nuda (Bull. ex Fr.) Cke. ID coniferous, rarely deciduous woods	121. 126
Leucoagaricus naucina ID, MT on grassy areas, along roads, disturbed places, in woods	120. 121. 122.123
Lyophyllum decastes (Fr.) Sing, WY, ID disturbed areas, roads, sawdust piles	5. 119, 120, 121. 123
Lyophyllum fumosum (Pers. ex Fr.) Kuhn. & Romagn. ex Orton ID woods, pasture, often in fairy rings	24, 120. 121. 126
Lyophyllum montanum Miller WY under conifers, pine, spruce. fir	2, 15. 123
Lyophyllum rancidum (Fr.) Sing. ID in hardwood & conifer forests, among needle litter, leaves	120, 135
Macrolepiota rhacodes (Vitt.) Sing. ID on soil under trees, in gardens & compost piles, near stables, on ant hills, in disturbed places, etc.	120, 121, 122, 123
Marasmius androsaceus (L. ex Fr.) Fr. WY, ID on needles, twigs, leaves	1. 6. 119. 120. 121, 122, 123
Marasmius oreades (Bolton ex Fr.) Fr. ID in lawns, grassy meadows	121, 122. 134
Marasmius scorodonius (Fr.) Fr. ID in organic debris, grass stems, twigs, conifer needles etc.	120. 127
Marasmius thujinus Pk. WY under conifers	1, 5. 123
Melanoleuca brevipes (Fr.) Pat. WY in grassy areas	5, 123
Melanoleuca cognata (Fr.) Kuhner & Maire WY, ID, MT in mixed woods, and under conifers	10, 120. 121. 122, 123
Melanoleuca evenosa (Sacc.) Konr. WY, MT in duff under conifers, grassy clearings, forest edges	15, 121, 123
Melanoleuca graminicola (Vel.) Kuhn. & Maire WY ingrassyareas	15, 120. 123
Melanoleuca melaleuca (Pers. ex Fr.) Maire WY, ID. MT lawns, pastures, in straw, wood chips, under trees, along roads, trails	13, 120, 121. 123
Microcollybia cirrhata (Pers. ex Pers.) Lennox ID. WA on remains of decomposing agarics (often in ground)	62, 119, 120. 121. 122

Table 5. (cont.)

Name Distribution Habitat	Sources
Mycena adonis (Bull.: Fr.) S. F. Gray WY, OR?, WA?, MT spruce, hemlock	6, 27, 121
Mycena albicolor Smith OR Thuja plicata	27
Mycena alcaliniformis Murr. OR? P. contorta	27
Mycena algeriensis R. Maire in Kuhner WA? alder, elm	27
Mycena amicta (Fr.) Quel. OR?, WA? conifer debris	27
Mycena atroalboides (Pk.) Sacc. ID. WA? spruce, Douglas fir	2 7
Mycena aurantiomarginata (Fr.) Quel. OR?, WA? under conifers on moss & needle carpets	27
Mycena capillaripes Pk. ID. WA?, OR? in conifer duff	27, 122
Mycena capillaris (Fr.) Quel. ID, OR? on oak, beech leaves	27
Mycena cinerella Karsten OR?, WA? pine, Douglas fir	2 7
Mycena citrinomarginata Gillet OR?, WA? hardwoods	27
Mycena crispula (Quel.) Kuhner OR rhododendron	27
Mycena debilis (Fr.) Quel. **WA?** on sod in pastures or open stands of conifers	27
Mycena delectabilis (Pk.) Sacc. OR?, WA?, ID in needle beds under conifers	27
Mycena elegans (Fr.) Quel. OR?. WA? Thuja plicata	27
Mycena elegantula Pk. ID. WA?. OR? on decayed conifer wood	27, 120, 121. 122
Mycena epipterygia (Scop. ex Fr.) S. F. Gray OR?, WY, ID on **needle duff** under conifers	5, 27. 119. 120. 122, 123
Mycena epipterygia (Scop. ex Fr.) S. F. Gray var. lignicola **I D** on conifer wood	121
Mycena excisa (Lasch) Gillet **WA? fir, alder**	27
Mycena flavoalba (Fr.) Quel. ID, WY, WA?, OR? oak	6, 15.27
Mycena fragillima Smith OR?, **WA?,** ID on fern (Polystichum munitum) debris or soil	27
Mycena galericulata (Scop. ex Fr.) S. F. Gray **WY, ID, WA** on decaying hardwood stumps, logs and debris	15, 27, 120, 121, 123
Mycena gracilis (Quel.) Kuhner ID, MT fir, spruce	27, 121
Mycena griseiconica Kauffm. **WA?. OR? alder, Douglas fir**	27

Table 5. (cont.)

Name Distribution Habitat	Sources
Mycena griseoviridis Smith OR?, ID oak, pine	27, 122
Mycena haematopus (Fr.) Kummer WY, ID, WA?, OR? well decayed wood, mostly hardwoods	5, 27, 119, 120, 121, 122, 123
Mycena hiemalis (Fr.) Quel. ID on tree trunks of soft maple, willow, elm	120
Mycena inclinata (Fr.) Quel. OR?, MT oak	27, 12
Mycena junicola (Fr.) Gillet OR?, WA? sedge	27
Mycena kauffmaniana Smith WA? old sticks, logs, debris of hardwoods	27
Mycena laevigata (Lasch) Quel. OR?, WA? on conifer wood	27
Mycena latifolia (Pk.) Sacc. WA? on needle beds under conifers	27
Mycena lilacifolia (Pk.) Smith WY, ID, OR?, WA? balsam fir, hemlock	15.27, 120
Mycena maculata Karsten OR?, WA?, ID on logs, stumps esp. conifers, Douglas fir	27.120. 121. 132
Mycena magna Murrill WA?, OR? on soil	27
Mycena margaritispora Lange WA? on old wood. chip dirt, debris	27
Mycena margiaella (Fr.) Quel. WA? on conifer logs	27
Mycena metata (Fr.) Quel. ID, OR?, WA? under conifers	27
Mycena misera (Fr.) Smith ID, WA? on humus	27
Mycena monticola Smith OR?, WA? pine	27
Mycena olivaceobrunnea Smith WA? Douglas fir	27
Mycena oregonensis Smith OR?, WA?, ID Douglas fir, spruce, oak, pine	27, 120
Mycena osmundicola Lange WA? in conifer needles, debris of ferns, old leaves of deciduous trees	27
Mycena overholtsii Smith & Solheim WY on conifer logs, stumps near melting snow	2, 15
Mycena parabolica (Fr.) Quel. ID, WY?, OR?, WA? on wood of conifers or hardwoods	27
Mycena pelianthina (Fr.) Quel. WA?, OR?, ID oak-hickory	27, 120
Mycena piceicola Smith OR?, WA? Douglas fir, spruce	27
Mycena plumbea (Fr.) Sacc. ID on spruce needles	120

Table 5. (cont.)

Name Distribution Habitat	Source
Mycena plumbea (Fr.) Sacc. var. robusta Smith OR? Thuja plicata. Alnus rubra	27
Mycena pseudoclavicularis Smith OR? on ponderosa pine	27
Mycena pseudotenax Smith WA?, OR? western red cedar, Douglas fir	27
Mycena pterigena (Fr.) Quel. OR?, ID on decaying fern fronds	27, 12.
Mycena pura (Fr.) Quel. ID, MT, WY, OR?, WA? humus under conifers and hardwoods	1, 15.27, 120, 121. 122
Mycena pusilla Smith OR? Douglas fir	27
Mpcena pusillissima (Pk.) OR? on sticks of conifers	27
Mycena quinaultensis Kauffm. in Smith OR? western red cedar. Douglas fir	27
Mycena rorida (Fr.) Quel. MT, OR?, WA?, ID on soil & debris under conifers. mixed woods	27. 119
Mycena roseipallens Murr. WA? elm, ash. aider	27
Mycena rosella (Fr.) Quel. ID, WA?, OR? in conifer areas	27, 120. 121, 122
Mycena rubromarginata (Fr.) Quel. OR? on branches of fir & spruce	27
Mycena rugulosiceps (Kauffm.) Smith OR?, WA? alder, Douglas fir, rhododendron	2 7
Mycena rutilantiformis Murr. WA? oak, hickory	27
Mycena sanguinolenta (Fr.) Quel. WA? spruce	27
Mycena scabripes Muir. MT?, WA?, OR? oak	27
Mycena speirea (Fr.) Gillet WA? on wet soil, sticks or bark partially buried in mud	27
Mycena strobilinoides Pk. OR?, ID pine	27, 122
Mycena stylobates (Fr.) Quel. ID, WA? debris, fallen oak leaves, conifer needles, small pieces of bark	27
Mycena subaquosa Smith WA?, OR? western red cedar	27
Mycena subcana Smith OR?, WA? alder, tanbark oak, Port Orford cedar, western red cedar	27
Mycena subplicosa Karsten OR?, WA? spruce	27
Mycena subsanguinolenta Smith OR?, WA? Douglas fir, sitka spruce	27
Mycena subvitrea Smith OR? Douglas fir	27

Table 5. (cont.)

Name Disuibution Habitat	Sources
Mycena swartzii (Fr.) Smith WA? in moss or debris	27
Mycena tenax Smith OR?, WA? Douglas fir, Sitka spruce	27
Mycena viscosa (Sec.) Maire OR? oak, pine	27
Mycena vitilis (Fr.) Quel. OR?, WA? Alnus rubra	27
Myxomphalia maura (Fr.) Hora ID on burnt soil and debris, especially under conifers	121.122
Naematoloma dispersum ID, MT on humus, debris under conifers, logged over areas	119, 120, 121, 122.123
Omphalina ectypoides (Pk.) Bigelow ID on rotting conifers	120, 121, 122, 123
Omphalina ericetorum (Pers. ex Fr.) M. Lge. ID, MT on lichen-laden conifer logs, scum covered soil, always assoc. with Botrydina vulgaris	120, 121. 122, 123. 126
Oudemansiella longipes (Bull. ex St. Ammans) Mos. WY on hardwoods (aspen)	15
Panaeoius foenisecii ID, MT in lawns, grassy places	121, 122, 123
Panaeolus semiovatus (Fr.) Lund. & Nannf. ID. WY horse, buffalo dung	15, 120, 121
Panellus mitis (Fr.) Sing. ID dead conifers, Larix	119, 123
Panellus serotinus (Fr.) Kuhner ID dead hardwood logs and branches, occasionally on conifers	119, 120, 121. 122. 123
Pholiota abruptibulba Smith & Hesler OR? on conifer logs	26
Pholiota acutoconica Smith & Hesler OR on conifer wood	26
Pholiota agglutinata Smith and Hesler ID on conifer wood (spruce)	26
Pholiota albivelata Murr. OR?, WA? debris in conifer forests	26
Pholiota atripes Smith & Hesler WY?, ID decayed conifer wood	26
Pholiota aurantioflava Smith & Hesler ID Debris of conifers	26
Pholiota aurea (Fr.) Kummer WA? Alnus	26
Pholiota aurivella (Fr.) Kumm. ID, OR?, WA? hardwoods (elm, cottonwood, aspen)	26,120, 121
Pholiota aurivelloides Overh. WY Alnus, Salix, Betula	15, 26
Pholiota avellaneifolia Smith and Hesler LD on wood of spruce	26
Pholiota bakerensis Smith & Hesler WA? Debris of conifers	26

Table 5. (cont.)

Name Distribution Habitat	Sources
Pholiota baptistii Smith & Hesler ID Debris of conifers	26
Pholiota brunnea Smith & Hesler ID on conifer wood	26
Pholiota canescens Smith & Hesler OR? decayed wood among mosses	26
Pholiota confragosa (Fr.) Karsten OR?, WA? on rotting logs of hardwoods and conifers	26
Pholiota conica Smith & Hesler ID on conifer logs	26
Pholiota curcuma (Berk. & Curt.) Singer, var. curcuma ID, WY? aspen	26
Pholiota decorata (Murr.) Smith & Hesler WY, ID fallen conifer logs, branches and debris	15, 119, 120, 121
Pholiota decorata (Murr.) var. decorata Smith & Hesler WA?, OR?, ID fallen conifer branches and debris	26
Pholiota destruens (Brond.) Gillet ID, OR?, WA?, WY, MT Populus, esp. cottonwood & balsam poplar	1, 15, 26, 119, 120, 121, 122
Pholiota elongatipes (Pk.) Smith & Hesler OR?, WA? on Sphagnum	26
Pholiota ferruginea Smith & Hesler ID, WA?, OR? debris of conifers	26
Pholiota ferrugineo-lutescens Smith & Hesler ID on conifer wood	26
Pholiota fibrillisipes (Murr.) Smith & Hesler MT? on soil, humus or sawdust	26
Pholiota filamentosa (Fr.) Herpel WY, WA Douglas fir	13, 26
Pholiota flavopallida Smith & Hesler ID on conifer wood	26
Pholiota fulviconica (Murr.) Smith & Hesler ID on soil, humus and rotten logs	26
Pholiota fulvodisca Smith & Hesler ID on conifer duff	26
Pholiota fulvozanata Smith & Hesl. WY, ID charred conifer debris	6, 26
Pholiota gruberi Smith & Hesl. ID Larix occidentalis	26
Pholiota hiemalis Smith & Hesl. ID Abies	26
Pholiota highlandensis (Pk.) Smith & Hesl. WY, ID burned soil, charred wood	2, 15, 26, 120, 121, 122
Pholiota humidicola (Murr.) Smith & Hesler ID, OR?, WA? edges of bog or boggy soil	26
Pholiota humii Smith & Hesl. WY, ID rotten conifer logs	5, 26
Pholiota lenta (Fr.) Singer ID humus and debris of hardwoods	119

Table 5. (cont.)

Name Distribution Habitat	Sources
Pholiota limonella (Pk.) Saccardo ID on hardwood logs	119, 120, 122
Pholiota lubrica (Fr.) Sing. **WY, ID, WA on moss** under hardwoods	15, 26, 120, 121, 122
Pholiota luteola Smith & Hesler ID on wet conifer wood	26
Pholiota macrocystis Smith & Hesler ID on conifer logs	26
Pholiota marginella Pk. W. U. S . wood and debris	26
Pholiota milleri Smith & Hesler **ID on soil**	26
Pholiota molesta Smith & Hesler ID on burned ground	26
Pholiota mutabilis (Fr.) Kummer OR?, WA?, ID conifer **and hardwood logs** and stumps	26. 120, 121
Pholiota myosotis (Fr.) Singer WA? **on muck and in bogs**	26
Pholiota nigripes Smith & Hesler LD on conifer logs	26
Pholiota obscura Smith & Hesler **ID on rotten wood**	26
Pholiota occidentalis Smith var. luteifolia Smith & Hesler ID on conifer slash	26
Pholiota occidentalis Smith var. occidentalis ID?, OR?, WA? alder	26
Pholiota oregonensis Murr. OR? Salix	26
Pholiota pallida Smith **ID on conifer logs**	26
Pholiota polychroa (Berk.) Smith & Brodie OR? hardwood logs, stumps and limbs	26
Pholiota pulchella Smith var. brevipes Smith & Hesler **ID along roads in woods**	26
Pholiota pulchella Smith var. pulchella Smith & Hesler ID, OR?, **WA?** on conifer debris and humus	26
Pholiota rivulosa Smith & Hesler ID?, OR?, **WA? on** conifer **duff and** rotted conifer logs	26
Pholiota rufodisca Smith & Hesler ID, OR?, WA? conifer wood and debris	2 6
Pholiota scabella Zeller **OR? on soil in conifer forests**	26
Pholiota scamba (Fr.) Moser ID, WA? on mossy conifer logs and debris	26
Pholiota scamboides Smith & Hesler ID on burned wood in wet areas	26
Pholiota spumosa (Fr.) Singer **ID, MT?, WY, WA, OR? rarely birch,** oak, aspen	10, 26, 119, 120, 121, 122

Table 5. (cont.)

Name Distribution Habitat	Sources
Pholiota squarrosoides (Pk.) Sacc. OR?, **WA?. WY, ID** alder	10, 26, 120
Pholiota subangularis Smith & Hesler, **ID, WY? on burned soil**	26
Pholiota subechinata Smith & Hesler WA? on conifer logs	26
Pholiota subflavida (Murr.) Smith & Hesler LD, WA? on conifer debris	26
Pholiota sublubrica Smith & Hesler **ID, WA? on rotted conifer logs**	26
Pholiota subochracea (Smith) Smith & Hesler ID, OR?, WA? decaying conifer logs	26. 120, 121
Pholiota subpapillata Smith & Hesler ID onchipdirt	26
Pholiota subsaponacea Smith & Hesler ID onburnedarea	26
Pholiota subvelutina Smith & Hesler OR? on fii wood	26
Pholiota terrestris Overholts ID, OR?, **WA?** on soil, roadsides, lawns or buried wood	26, 119, 120, 121, 122
Pholiota tetonsensis Smith & Hesl. & Solheim WY rotting wood	15.26
Pholiota umbilicata Smith ID Thuja plicata	26
Pholiota variabilispora Smith & Hesler MT on garden soil	26
Pholiota velaglutinosa Smith **OR? pine**	26
Pholiota velata (Pk.) Smith & Hesler ID in woods along streams	26
Pholiota vernalis (Pk.) Smith & Hesl. WY, ID, OR?, WA?, MT rotting wood, conifers and hardwoods	1, 15, 26, 121
Pholiota vialis (Murr.) Smith & Hesler OR?, ID on wood	26, 120
Pholiota vinaceobrunea Smith & Hesler **ID, WA? on conifer logs**	26
Pholiotina aporos (Kits v. Wav.) Clc. **WY coniferous and deciduous forests, timber yards. open places**	6. 126
Pholiotina appendiculata (Lange & Kuhner) Singer f. **macrospora** WY grassy places waysides, forest clearings	13, 126
Pholiotina filaris (Fr.) Sing. ID grassy places, in moss, on decayed wood and wood chips	120. 123, 126
Phyllotopsis nidulans (pers. ex. Fr.) Singer **ID on rotting conifers and hardwoods**	119, 120, 121
Pleurocybella porrigens (Pers. ex Fr.) Singer ID on conifer wood	121, 126
Pleurotus ostreatus (Jacq. ex Fr.) Kumm. WY, ID on willow, aspen, cottonwoods, rarely conifers	1. 15. 120, 121

Table 5. (cont.)

Name Distribution Habitat	Sources
Pleurotus ulmarius **ID on old hardwoods**	119. 120, 123
Pluteus atromarginatus (Konr.) Kuhn. ID wood and debris of conifers	120, 121. 123, 126
Pluteus cervinus (Schaeff. ex Fr.) Kumm. WY, ID, MT woody debris, buried wood and roots	1, 15, 120, 121, 122
Pluteus lutescens Fr. WY rotting hardwood logs, sticks and debris	15, 123
Pluteus magnus ID sawdust piles	121, 123
Pluteus nanus (Pers. ex Fr.) Kumm. **WY deciduous tree stumps**	3. 15
Pluteus petasatus (Fr.) Gill. WY sawdust, wood chips or compost	5, 123
Psathyrella abieticola Smith ID, WA? spruce, fir	103
Psathyrella acuticystis Smith ID on wood chip dirt	103
Psathyrella albescens Hesler & Smith ID piles of wood chips	103
'Psathyrella alluviana Smith OR?, WA?, WY? on soil in flood plains	103
Psathyrella alnicola Smith ID alder	103
Psathyrella annulata Smith ID hemlock	103
Psathyrella argentata Smith ID cow dung	103
Psathyrella argillacea Smith **WY? on hardwood debris**	103
Psathyrella atrofolia (Pk.) Smith ID, OR?, WA?, WY? cottonwood	103
Psathyrella avellaneifolia Smith. var. avellaneifolia OR? rotting hardwood logs	103
Psathyrella barlae (Bres.) Smith f. barlae WA? on soil and humus	103
Psathyrella barlowiena Smith OR? alder	103
Psathyrella barrowsii Smith WY? aspen	103
Psathyrella bifrons (Berk.) Smith **WA? wet soil and organic** debris	103
Psathyrella borealis Smith ID sphagnum	103
Psathyrella boulderensis Smith, ID moist earth	103
Psathyrella camptopoda (Pk.) Smith **WA? on rotten hardwood logs**	103

Table 5. (cont.)

Name Distribution Habitat	Sources
Psathyrella canadensis Smith **WA?** on rotten wood	103
Psathyrella candolleana (Fr.) Maire WY near old hardwood stumps or buried wood (cottonwood, elm)	15
Psathyrella candolleana (Fr.) Maire var. candolleana ID, MT?, OR?, WA? elm, cottonwood	103
Psathyrella canoceps (Kauffm.) Smith ID, OR?, WA? alder, cottonwood	103
Psathyrella caputmedusai (Fr.) Konrad & Maublanc **WA?** on conifer wood	103
Psathyrella carbonicola Smith ID, **WA?,** OR? WY? on **burned ground**	103, 122
Psathyrella castaneifolia (Murr.) Smith **WA?** on roadsides in grassy fields	103
Psathyrella caudata (Fr.) Quel. OR? in woods. on humus and grassy soil	103
Psathyrella circellatipes Benoist WY rotten **wood and** humus under aspen, cottonwood	5
Psathyrella circellatipes Benoist var. circellatipes ID. WY? Populus	103
Psathyrella clivensis (Berk. & Br.) Orton **WY humus around beaver ponds**	6. 103
Psathyrella communis Smith ID on humus in conifer woods	103
Psathyrella conopilea (Fr.) Pearson & Dennis ID **on** sticks **and** debris; occasionally dung	103
Psathyrella crassulistipes Smith ID sandy soil in woods	103
Psathyrella deserticola Smith **ID under sagebrush**	103
Psathyrella directa Smith OR? woody debris in mixed forest	103
Psathyrella distans Smith **OR? alder**	103
Psathyrella duplicata Smith OR? alder	103
Psathyrella echiniceps (Atkinson) Smith ID, OR?, WA? on stumps and roots of hardwoods	103
Psathyrella ellenae Smith var., ellenae ID spruce-fir	103
Psathyrella elwhaensis Smith ID on humus	103
Psathyrella equina Smith ID horse dung	103
Psathyrella flexuosipes Smith **OR? alder**	103
Psathyrella foenisecii (Fr.) Smith **MT?, OR?, WA?** in grassy areas	103

Table 5. (cont.)

Name Distribution Habitat	Sources
Psathyrella fragrans Smith ID on conifer debris	103
Psathyrella fulva Smith ID on woody debris	1 0 3
Psathyrella fulvescens (Romagnesi) Moser WA?, WY? logs or woody debris of hardwoods'	103
Psathyrella fulvoumbrina Smith ID aspen, fir	103
Psathyrella fusca (Fr.) Pearson OR?, WA? Alnus	103
Psathyrella fuscafolia (Pk.) Smith OR? soil or decaying wood	103
Psathyrella fuscospora Smith ID on humus or decaying wood	103
Psathyrelia georgiana Smith **WY** on **muck in a bog**	5, 103
Psathyrella gracilis (Fr.) Quel. var. gracilis ID. OR?. WA?, WY? alder, cottonwood	103
Psathyrella grasmerensis Trueblood & Smith ID grassy areas	103
Psathyrella griseopallida Trueblood **ID sandy soil near hardwoods**	103
Psathyrella gruberi Smith OR on soil in burned area	103
Psathyrella hirta Pk. OR?, WA?, ID on manure or fertilized soil	103. 122
Psathyrella hydrophila (Fr.) Maire OR?. WA? on decaying wood of hardwoods.	103
Psathyrella hymenocephala (Pk.) Smith **MT?,** WA?, OR?, ID on **humus** and debris of hardwoods	103. 120
Psathyrella idahoensis Smith **ID** on **disturbed soil**	103
Psathyrella incerta (Pk.) Smith ID, OR?, WA? on damp soil and debris under hardwoods	103
Psathyrella indecorosa Smith **ID on alder logs**	103
Psathyrella iterata Smith var. iterata ID couonwood	103
Psathyrella kauffmanii Smith var. kauffmanii **W Y** hardwoods	103
Psathyrella kauffmanii var. exannulata Smith OR? hardwoods	103
Psathyrella lacrymabunda (Fr.) Moser var. lacrymabunda WA? hardwoods	103
Psathyrella lanatipes Smith WA? Thuja, Alnus	103
Psathyrella lepidotoides Smith **ID cottonwood**	103

Table 5. (cont.)

Name Distribution Habitat	Sources
Psathyrella limicola (Pk.) Smith var. limicola WY? on wet soil in woods	103
Psathyrella longipes (Pk.) Smith OR?, WA? on leaves in woods	103
Psathyrella luteovelata Smith ID, OR? alder, cottonwood	103
Psathyrella maculata (Parker) Moser OR?, WA? on aider stumps and logs	103
Psathyrella mesocystis Smith ID spruce, fir	103
Psathyrella microcystis Smith **ID on** conifer needles and aspen leaves	103
Psathyrella microsperma (Pk.) Smith WY? on old stumps	103
Psathyrella minima Pk. ID, WA? deer dung	103
Psathyrella naucoria Smith ID on well rotted alder wood	120
Psathyrella naucorioides Smith ID, WA? cottonwood	103
Psathyrella nezpercii Smith ID on wet, grassy soil	103
Psathyrella nolitangere (Fr.) Pearson & Dennis ID, WA? on wet soil	103
Psathyrella olympiana Smith OR? alder, cottonwood	103
Psathyrella orbitarum (Romagnesi) Moser **WA?, WY? on wet soil**	**103**
Psathyrella oregonensis Smith OR? on rotten conifer wood	103
Psathyrella owyheensis Smith ID on sandy soil near roadsides	103
Psathyrella pallida Smith ID alder	103
Psathyrella paradoxa Smith var. paradoxa ID, OR? WA? alder	103
Psathyrella payettensis Smith ID on conifer duff	103
Psathyrella polycephala (Fr.) Smith OR?, WA? on **dead hardwood logs** and stumps	103
Psathyrella populorum Trueblood & Smith WY, JD underaspen	**5, 103**
Psathyrella potteri Smith WY? on ground near horse dung	**103**
Psathyrella praetenuis Smith ID cottonwood	**103**
Psathyrella prona (Fr.) Gillet **WA?, WY? on manured straw** and soil	**103**

Table 5. (cont.)

Name Distribution Habitat	Sources
Psathyrella pseudolimicola Smith ID on manured soil	103
Psathyrella pseudotrepida Smith ID on soil in woods	103
Psathyrella psilocyboides Smith ID, WA? in wet mountain meadows	103
Psathyrella rigidipes (Pk.) Smith ID, OR?, WA?, WY damp, grassy areas or near roads	15,103, 119. 120. 121
Psathyrella roothaanensis Smith ID on moss in swampy areas	163
Psathyrella rufogrisea Smith var. rufogrisea OR? on soil	103
Psathyrella rufogrisea var. bonnerensis Smith ID on sticks near stream	103
Psatbyrella rufogrisea var. riparia Smith ID on wet soil near stream	103
Psathyrella salictaria Smith ID willow, dwarf birch	103
Psathyrella semivestita (Berkeley & Broome) Smith WA? on debris in woods	103
Psathyrella senex (Pk.) Smith OR? on decaying wood of hardwoods	103
Psathyrella septentrionalis Smithvar. septenirionalis WA?, WY? aspen	103
Psathyrella similis (Parker) Smith ID on decaying soil near rivet-hank	1 0 3
Psathyrella solheimii McKnight & Smith WY moist areas under aspen, esp. around heaver dams	3, 15
Psathyrella solheimii McKnight & Smith var. solheim ID, MT, WY aspen	103
Psathyrella spadicea (Fr.) Singer ID. OR?, WA?, WY on ground or near stumps of aspen and cottonwood	5,103, 120. 121
Psathyrella spadiceogrisea (Fr.) Maire ID, WA? on wet soil on edges of bogs and pools	103
Psathyrella sphaerocystis Orton ID horse dung	103
Psathyrella squamosa (Karsten) Moser OR? on woody humus and debris	103
Psathyrella subagraria (Atk.) Smith OR? on moist ground in woods	103
Psathyrella subargillacea Smith WA? on rotten hardwoods, logs and stumps	103 ,
Psathyrella subcaespitosa Smith OR? on wet soil	103
Psathyrella subcinnamomea Smith OR?, WA? on disturbed areas near roads and lawns	103
Psathyrella subhepatica Smith OR?, WY? on wet soil in low woods	103

Table 5. (cont.)

Name Distribution Habitat	Sources
Psathyrella sublateritia Smith ID, OR?, WA?, WY? on hardwood logs and stumps	103
Psathvrella sublongipes Smith ID birch	103
Psathyrella subnuda (Karsten) Smith var. subnuda OR?, WA? **alder. cottonwood**	103
Psathvrella subnuda var. velosa Smith ID. OR? cottonwood	103
Psathyrella subradicata Smith ID on soil under fir	103
Psathvrella tahomensis Smith WY? alder	103
Psathvrella tenera Pk. ID, WA? on **moist soil in** open woods	103
Psathyrella trepida (Fr.) Gillet MT?, WA?, WY? on organic debris	103
Psathvrella typhae (Kalchbrenner) Pearson & Dennis WA? Typha. Carex	103
Psathvrella ulignicola Smith & McKnight WY, ID aspen	3, 15, 103
Psathyrella uskensis Smith WA? spruce	103
Psathyrella variata Smith ID cottonwood	103
Psathprella velutina (Fr.) Singer var. velutina ID, OR? rich **humus,** soil or compost	103. 120, 121, 122
Psathyrella verna Smith **WY rich humus and** debris	15
Psathprella vesiculocystis Smith ID on conifer duff	103
Psathvrella wapinitaensis P. Kempton & Smith ID. OR? on conifer logs	103
Psathgrella warrenensis Smith **ID on grassy soil**	103
Psathprella weberi (Murr.) Sing. WY, ID decayed wood in wet areas	5, 103
Psilocybe coprophila (Bull. ex Fr.) Kumm. WY. ID on dung, horse and cow	15, 120, 122
Psilocybe cyanescens Wakefield **ID** on debris, sawdust, mulch **humus** or conifers; rarely alder	119, 123
Psilocybe merdaria (Fr.) Ricken ID on dung	122
Psilocybe montana (Pers.: Fr.) Kumm. **WY** in **Polytrichum moss**	6
Rhodocollybia extuberans (Fr.) Lennnox **ID well decayed conifer wood**	62
Rhodocollybia maculata (Alb. & Schw. ex Fr.) Kumm. **WY, ID on decaying conifers and humus**	1, 15. 120, 123

Table 5. (cont.)

Name Distribution Habitat	Sources
Rhodocollybia maculata Bull.: Fr. var. scorzonerea (Fr.) Lennox WY, ID well decayed conifer wood	5. 62
Rhodocollybia maculata var. fulva Lennox WA on wood	62
Rhodocollybia maculata var. occidentalis (Smith) Lennox WA in conifer forests on thick humus or well decayed wood	62
Rhodocybe nitellina (Fr.) Sing. WY, ID, WA in conifer woods	6, 62, 121, 126
Rickenella setipes (Fr.) Raith. WY in damp, mossy meadows and woods	13. 126
Schizophyllum commune Fr. MT, WY, OR, ID, WA on wood	17
Strobilurus kemptonae ID, MT on rotting conifer cones	120. 121, ‘123
Strobilurus lignitilis Wells and Kempton ID on well decayed, often buried conifer wood, often in moss	62
Strobilurus occidentalis Wells and Kempton ID on buried wood or cones of spruce (Picea glauca)	6 2 , 1 2 0
Strobilurus trullisatus (hiurr.) Lennox ID. WA on conifer (Douglas-fir) cones	62, 122
Stropharia aeruginosa (Curt. ex Fr.) Quel. ID deep litter under conifers and hardwoods	119, 120, 121. 126
Stropharia albo-cyanea (Desm.) Quel. ID in damp marshy places. meadows	122, 126
Stropharia ambigua (Pk.) Zeller WY, ID in coniferous and mixed woods	1, 15. 119, 120. 121
Stropharia coronilla (Fr.) Quel. WY, ID, MT grassy areas	15. 121, 122
Stropharia hornemanni (Fr. ex Fr.) Lundell & Nannf. WY, ID on well decayed conifer woods	1, 15. 119, 120. 121, 122
Stropharia kauffmanii Smith WY, ID on rich humus and woody debris of alder, cottonwood and aspen	15, 120
Stropharia semiglobata (Batsch ex Fr.) Quel. WY, ID on dung or manured fields	3, 15, 120, 121. 122
Stropharia semiglobata var. stercoria (Fr.) Lange WY under conifers or on well decayed conifer wood	15
Stropharia squamosa (Fries) Quelet WY, ID buried wood or woody debris of hardwoods	9, 120
Stropharia thrausta (Schulz. ap Kalchbr.) Sacc. ID on wood chips, sawdust and humus	120. 126
Tricholomopsis decora (Fr.) Sing. WY, ID on coniferous stumps and logs	15, 120, 121, 122
Tricholomopsis flavissima (Sm.) Singer ID, MT on rotting conifers	120, 121, 123, 128
Tricholomopsis platyphylla (Fr.) Sing. WY, ID on hardwood logs, stumps woody debris	9, 15, 28, 120, 121
Tricholomopsis rutilans (Schaeff. ex Fr.) Sing. WY, ID on coniferous wood (pine and spruce)	1, 15. 119, 120. 121

Table 5. (cont.)

Name Distribution Habitat	Sources
Tricholomopsis sulfureoides ID under hemlock	120, 121, 122, 123
Tubaria furfuracea (Pers. ex Fr.) Gill. WY, ID, MT on woody debris	1, 15, 120, 121
Volvariella speciosa (Fr.) Sing. ID meadows, fields, parks and cemeteries	121, 126
Xeromphalina campanella (Batsch. ex Fr.) Kuhner WY, ID, MT on well decayed coniferous stumps, logs	1, 15, 119, 120, 121, 122
Xeromphalina cauticinalis (Fr.) Kuhner & Maire WY, ID, MT on conifer seeds, needles, sticks, occasionally as	5, 6, 12, 120, 121, 122
Xeromphalina cornui (Quelet) Favre WY alpine meadows	12, 126
Basidiomycotina Saprotrophic Cup fungi	
Cheilymenia coprinaria (Cke.) Boud. WY, ID on dung and manure or compost	15, 16, 35, 47, 50, 123
Cheilymenia crucipila (Cke. & Phill.) LeGal ID? on damp soil	16, 123
Cheilymenia stercorea (Pers. ex Fr.) Boud. WY, ID, OR, WA on dung and manure or compost	2, 15, 16, 123
Cheilymenia theleboloides (Fr.) Boud. WY, ID? on dung and manure or compost, sometimes growing on soil, humus, "spent hops"	15, 16, 123
Basidiomycotina Saprotrophic False truffles	
Endoptychum agaricoides Czerniaiev ID on soil, waste lands, pastures, lawns	59, 120, 122
Endoptychum depressum Singer & Smith ID hypogeous becoming epigeous, on soil under conifers, aspen often present	59, 120
Nivatogastrium nubigenum (Harkness) Singer & Smith ID, OR, WA? Pinus contorta, Abies magnifica	117
Basidiomycotina Saprotrophic polypores	
Amylocystis lapponicus (Rom.) Bond. & Singer ID, WY, MT, OR, WA on fallen conifer trees (esp. spruce) near melting snow	5, 17, 115, 120
Anomoporia bombycina (Fr.) Pouz. ID, OR?, WA?, MT?, WY? Abies, Larix, Picea, Pinus, Pseudotsuga, Tsuga	115
Anomoporia myceliosa (Pk.) Pouz. ID, MT?, OR?, WA?, WY? Abies, Larix, Picea, rarely Betula	115
Antrodia albabrunnea (Rom.) Ryv. ID, WA?, OR?, MT?, WY? Pinus	115
Antrodia albida (Fr.) Donk. ID, OR, WA, MT on hardwoods, rarely conifers (junipers)	17, 115, 116
Antrodia alpina (Litsch.) Gilbn. & Ryv. ID, OR?, MT? Pinus, Larix	115
Antrodia carbonica (Overh.) Ryv. & Gilbn. ID, MT?, OR?, WA? Pseudotsuga	115

Table 5. (cont.)

Name Distribution Habitat . .	Sources
Antrodia crassa (Karst.) Ryv. MT, WA on conifer wood, causes brown rot	115
Antrodia ferox (Long & Baxt.) Gilbn. & Ryv. OR? Juniperus	115
Antrodia heteromorpba (Fr.) Donk ID. MT, OR, WA, WY causes brown cubical rot in conifers	17, 115
Antrodia juniperina (Murr.) Niem. & Ryv. MT?. OR? Juniperus	115
Antrodia malicola (Berk. & Curt.) Donk MT?, WA?, WY? causes brown rot in hardwoods	115
Antrodia odora (Pk. ex Sacc.) Gilbn. & Ryv. OR? causes brown rot in conifers, especially ponderosa pine	115
Antrodia radiculosa (Pk.) Gilbn. & Ryv. ID. WA?, MT? causes brown cubical rot in conifers	115
Antrodia serialis (Fr.) Donk ID, OR?, WA?, MT?, WY? causes brown cubical rot in conifers and some hardwoods. especially aspen	17,115
Antrodia sinuosa (Fr.) Karst. ID, OR?, WA?, MT? causes brown cubical rot in conifers. often on burnt logs	115
Antrodia sitchensis (Baxt.) Gilbn. & Ryv. ID, OR?. MT? causes brown cubical rot in conifers	115
Antrodia vaillantii (Fr.) Ryv. ID. OR?, WA? causes brown cubical rot in conifers	115
Antrodia variiformis (Pk.) Donk ID. OR?, MT?. WA?, WY? Betula. Quercus	17,115
Antrodia xaotha (Fr.) Ryv. ID, MT?, OR?, WA?, WY? Salix	115
Antrodiella americana Ryv. & Gilbn. OR? Fagus, Hymenochaete sp.	115
Antrodiella overholtsii Ryb. & Gilbn. ID. OR?, WA?, MT? Picea	115
Antrodiella romellii (Donk) Niem. ID, OR?, WA?, MT? Populus	115
Aporpium caryae (Schw.) Teix. & Rogers ID, WA? causes white rot of hardwood logs and slash	115
Auricularia auricula (Hook.) Underw. WY, ID on logs, dead branches and stumps of both hardwoods and conifers	15, 120. 122, 123
Bjerkandera adusta (Willd.: Fr.) Karst. ID, OR?, WA?, MT?, WY? Aspen	17, 115, 122
Bjerkandera fumosa (Pers.: Fr.) Karst. ID, MT?, OR?, WA? Ulmus	17, 115, 120
Bondarzewia berkleyi (Fr.) Sing. ID, OR, WA at base of trees in hardwood forests. causes white stringy rot of heartwood	15. 17
Bondarzewia montana (Quel.) Sing. ID, MT?, OR?, WA? Abies, Larix, Picea, Pinus, Pseudotsuga, Tsuga	17, 59, 71, 98, 115, 120
Bovista pila Berk. and Curt. ID, MT, WY cultivated and manured soil, grass, pastures, open woods	120, 121, 123, 131, 141
Bovista plumbea Berk. & Curt. WY, ID pastures, lawns, golf courses, cemeteries	15, 121, 123

Table 5. (cont.)

Name Distribution Habitat	Sources
Byssoporia terrestre (DC.: Fr.) Lars. & Zak ID, MT?, OR?, WA?, WY? Populus, Quercus	115
Calbovista subsculpta Morse WY, JD open and grassy places and at edges of woods in western mountains	15, 120, 121, 123
Calocera viscosa (Fr.) Fr. ID on or beside rotting conifer wood	59, 120. 123. 131
Calodon suaveolens (Scop. ex Fr.) Karst. WY, ID conifers. spruce, fir; alpine pastures	15, 1[illegible]20, 131
Caloporus dichrous ID mainly on hardwoods	120, [illegible]3
Calvatia bovista (Pers.) Kambly & Lee WY, ID in pastures, on esposed soil and open woods	1, 120, 123
Calvatia craniformis (Schw.) Fr. ID in open brushy places, often low areas, hardwood forests	59. 122. 123
Calvatia cyathiformis (Bosc) Morg. WY in pastures and other grassy areas	2. 15, 123
Calvatia fumosa Zeller WY, ID in duff, sometimes buried under spruce, fir and other mountain conifers	1. 15. 120, 123
Calvatia sculpta (Hark.) Lloyd ID under conifers, sometimes in open, in western mountains	59, 120, 123
Calvatia subcretacea Zeller WY, ID under mountain conifers	2. 15, 120, 123
Calvatia tatrensis Hollós ID under sagebrush and other waste places, occasionally under conifers	59, 122,123
Ceriporia excelsa (Lund.) Parm. MT?, OR?, WA? white rot of dead hardwoods, rarely on conifers	115
Ceriporia purpurea (Fr.) Sonk ID. MT?. OR?, WA? white rot of dead conifers and hardwoods	115
Ceriporia reticulata (Pers.: Fr.) Dom. ID, MT?, OR?, WA?, WY? Aspen	115
Ceriporia spissa (Schw.: Fr.) Rajch. ID, OR?, WA? white rot of dead conifers and hardwoods	115
Ceriporia viridans (Berk. & Br.) Donk ID, MT?, OR?, WA? white rot of dead hardwoods, rarely on conifers	115
Ceriporiopsis ancirina (Sommerf.: Fr.) Dom. ID, MT?, OR?, WA?, WY? Aspen	115
Ceriporiopsis mucida (Pers.: Fr.) Gilbn. & Ryv. ID, MT?, OR?. WA? on rotten wood of both hardwoods and conifers, white rot	115
Ceriporiopsis pannocincta (Rom.) Gilbn. & Ryv. ID, MT? Aspen	115
Ceriporiopsis rivulosus (Berk. & Curt.) Gilbn. & Ryv. ID?, M-I?, OR?, WA? redwood. western red cedar	115
Clavaria apiculata Fr. WA on dead coniferous wood	29
Clavaria appalachiensis Coker ID, OR, WA on humus and very rotten wood	17.59
Clavaria argillacea Pers. ID in heath bogs	120

Table 5. (cont.)

Name Distribution - Habitat .	Sources
Clavaria corbierei Bourdot & Galzin ID, OR, WA on soil, **duff or wood**	17
Ciavaria globospora Kauffman ID, OR, WA on **ground** in needles or in moss under conifers	17
Clavaria gracillima Pk. ID, OR, WA on humus in deciduous and mixed forests	17
Clavaria longispora Corner ID, OR, WA on soil, duff or wood	17
Clavaria nebulosoides Kauffm. ID, OR, WA on ground in needles or moss under conifers	17
Clavaria neonigrita Petersen ID, OR, WA on soil, duff or wood	17
Clavaria pinicola Burt. ID P. contorta	29, 120
Clavaria purpurea Fr. WY, ID on wet soil in needles or moss under conifers (spruce fii)	1, 15. 17. 78, 86, 120. 123
Clavaria rosea Fr. ID on moist earth, moss and humus in woods	59, 120, 123
Clavaria stricta Pers. ID birch, maple, oak	29
Clavaria vermicularis Fr. WY. ID on ground in duff under conifers	9, 17.78, 123
Clavaria zollingeri Lev. ID, OR, WA on wet soil in needles or moss under conifers (spruce, fir)	17. 123
Clavariadelphus borealis Wells & Kempton WY, ID in duff under conifers	5, 17.59. 83,120, 123
Clavariadelphus ligula (Fr.) Donk **WY, ID in humus under conifers** at high elevations	5, 17. 119. l-20. 123
Clavariadeiphus lovejoyae Wells & Kempton **WY, ID in duff under conifers**	5. 6. 17
Clavariadelphus mucronatus Wells & Kempton ID in humus under conifers	17, 59, 120
Clavariadelphus pistillaris (Fr.) Donk ID on ground under hardwoods and in mixed woods	17, 120, 123
Clavariadelphus sachalinensis (Imai) Corner ID in humus under conifers	17, 59 120, 122, 123
Clavariadelphus subfastigiatus Wells & Kempton ID, OR, WA in duff or on well-rotted wood under conifers	17, 59, 84, 123
Clavariadelphus truncatus (Quel.) Donk WY, ID in duff or moss under conifers	2, 15. 17, 120. 122; 123
Ciavicorona pyxidata (Fr.) Schroet. WY, ID, MT on dead hardwoods, especially aspen, willow, cottonwood	15, 17, 123
Clavicorona taxophila (Thorn.) Doty ID on twigs, needles and other debris of conifers	17, 120, 123
Clavulina mutabilis Petersen ID, OR, WA on ground in forests	17
Clavulina rugosa (Fr.) Schroet. ID, OR, WA on ground or in moss in coniferous or mixed forests	17, 123,

Table 5. (cont.)

Name Distribution Habitat	Sources
Clavulinopsis corniculata ID on ground or dead wood in forests and at their edges, in -grassy areas	120, 123
Clavulinopsis fusiformis ID in grass or humus	120, 123
Clavulinopsis laeticolor (Berk. & Curtis) Petersen ID in duff and needle litter, often moss, in coniferous forests	17, 120, 123
Climacocystis borealis (Fr.) Kotl. and Pouz. WY, ID, MT, OR, WA on conifer wood (Abies, Larix. Picea. Pinus, Pseudotsuga, and Tsuga). rarely hardwoods (Fagus, Acer, Populus, Quercus)	1, 15, 115, 116, 120
Coltricia cinnamomea (Pers.) Murr. MT?, OR?, WY, ID on ground or moss under hardwoods. rarely on rotten wood	15, 17, 115. 120, 123
Coltricia montagnei (Fr.) Murr. OR? on ground in hardwood forests, rarely coniferous forests, often on exposed soil, paths, clay banks	115, 123
Coltricia perennis (Fr.) Murr. ID, Ml?. OR?, WA?, WY on ground in coniferous forests, often on exposed soil of paths, roadbanks, clearings or on charred ground	15, 17, 102, 115. 120, 122
Columnocystis abietinum (Fr.) Pouz. ID on stumps and ends of spruce logs, silver fir logs	122, 131
Coniophora **corrugis Burt Solheim** WY on conifers (fir. spruce, pine)	15
Coriolopsis gallica (Fr.) Ryv. ID, MT?, OR?, WA?, WY? Salix. Populus	115
Coriolus abietinus (Dicks.) Q[illegible]. WY on spruce wood	5.139
Crucibulum laeve (Huds. ex Relh.) Kambly ID, WY on lignin-rich and vegetable debris, manure	15.59, 120, 123
Cryptoporus volvatus (Pk.) Shear. WY, ID, MT?, OR?, WA? Pinus, Abies, Pseudotsuga	1, 5,17,98,102, 115, 120
Cyathus striatus Huds. ex Pers. WY, ID on soil, organic debris	5, 120, 122, 123. 131
Dacrymyces deliquescens (Merat) Duby WY decaying wood	2. 15. 123
Dacrymyces palmatus (Schw.) Bres. ID on conifer wood	120, 122, 123
Datronia mollis (Sommerf.: Fr.) Donk ID, MT?. OR?, WA?, WY? on dead hardwoods, also conifers: causes white rot	17, 115, 123
Datronia scutellata (Schw.) Gilbn. & Ryv. MT, WA, OR, ID on hardwoods (alder, oak)	17, 115
Datronia stereoides (Fr.) Ryv. ID. MT? Betula, Populus	115
'Dichomitus squalens (Karst.) Reid ID, MT?, OR?, WA? Abies, Larix, Picea, Pinus, Pseudotsuga, Tsuga	115
Diplomitoporus crustulinus (Bres.) Dom. ID, MT, WY on dead conifers, rarely hardwoods	115
Diplomitoporus lenis (Karst.) Gilbn. & Ryv. ID, MT, OR, WA, WY on dead conifers, rarely hardwoods	115
Diplomitoporus lindbladii (Berk.) Gilbn. & Ryv. ID, MT?. OR?, WA? pine	115
Diplomitoporus rimosus (Murr.) Gilbn. & Ryv. ID, OR? Juniperus	115

Table 5. (cont.)

Name Distribution Habitat	Sources
Echinodontium tinctorium (Ell. & Ev.) Ell. & Ev. ID, MT?, OR?, WA?. WY? Abies. Tsuga	17. 88, 115, 120, 122
Exidia saccharina (Fr.) Solheim WY erumpent from bark of conifer wood	15, 139. 140
Fomitopsis cajanderi (Karst.) Kotl. & Pouz. ID, WY, MT. WA, OR on dead conifers (Douglas fir), rarely hardwoods (aspen, birch, Prunus)	17, 115, 120, 123
Fomitopsis meliae (Underw.) Gilbn. & Ryv. MT, WA, OR, ID mainly on hardwoods, occasionally on conifers	115
Fomitopsis pinicola (Fr.) Karst. WY, ID, MT?, OR?, WA?, Black cherry, aspen, birch	1, 15, 17, 98, 102, 115, 120, 122
Fom'itopsis rosea (Alb. et Schw.: Fr.) Karst. ID, MT?, OR?, WA?, WY? Douglas fir, spruce, aspen	15, 17, 115
Fuscocerrena portoricensis (Fr.) Ryv. WA on dead hardwoods	115
Ganoderma applanatum (Pers.:Wallr.) Pat. WY, ID, MT?. OR?, WA?, Populus tremuioidcs	1, 5, 17.98, 101, 102. 115, 120, 122
Ganoderma lucidum (W. Curt.: Fr.) Karst. OR? Quercus	115. 17
Ganoderma oregonense Murr. ID, MT?, OR?, WA? Abies, Tsuga	17. 101, 102, 115
Ganoderma tsugae ID on conifers, particularly hemlock	120
Geastrum minimum Schw. WY on waste sandy soil	15.59, 123
Geastrum pectinatum Pers. WY in humus with conifers	9. 123
Geastrum triplex Jungh. ID in humus usually with hardwood, aspen	59, 120, 121, 123
Gloeophyllum carbonarium (Berk. & Curt.) Ryv. ID, MT?, OR?, WA? Chamaecyparis, Larix, Pinus, Pseudotsuga, Sequoia, Thuja, Tsuga	115
Gloeophyllum protractum (Fr.) Imaz. ID, MT?, OR?, WA?, WY? Alnus, Betula, Taxodium, Pseudotsuga. Thuja, Tsuga, Populus, Quercus	115
Gloeophyllum saepiarium (Fr.) Karst. WY, ID, MT, OR, WA on dead conifers (juniper. larch, spruce, pine) or occasionally hardwoods (aspens, Prunus, Salix, Crataegus	1, 17, 59, 98, 102, 115, 120. 122. 123
Gloeophyllum trabeum (Pers.:Fr.) Murr. ID, MT?. OR? on dead hardwoods, occasionally conifers, wood work of cars	17, 115, 120, 123
Gloeoporus dichrous (Fr.) Bres. WY, MT?. WA?, ID Betula	15, 17. 115
Gloeoporus taxicola (Pers.: Fr.) Gilbn. & Ryv. ID, MT?, OR?, WA?, WY? Pinus, Picea, rarely Populus	115
Grifola frondosa (Dicks.: Fr.) S. F. Gray ID, MT?, WA? Nyssa, Larix, Quercus, Ulmus, Acer, Pinus, Pseudotsuga	17, 115
Guepiniopsis alpinus (Tracy and Earle) Brasfield WY on logs, sticks and debris of conifers at snowmelt	1. 15
Hericium abietis (Weir) K. Harrison ID on dead wood of conifers (fir. Douglas-fir)	17, 89.92, 119, 120. 122
Hericium americanus Ginns ID, OR, WA on hardwood logs	17

Table 5. (cont.)

Same Distribution Habitat	Sources
Hericium coralloides (Scop.) Pers. etc. ID hardwoods	30.120
Hericium ramosum (Bull. ex Merat) Let. WY, ID fallen hardwood branches, logs and stumps (aspen)	1, 15. 17, 89.92, 120
Hydnellum scrobiculatum (Fr.) Karst. ID on soil under conifers & mixed conifer - hardwood for:. s	17, 120. 131
Hymenochaete tabacina (Sow. : Fr.) Lev. ID on dead wood of shrubs & broadleaved trees- Corylus. Salix, etc.	120, 122, 131
Inonotus andersonii (Ell. & Everh.) Cerny. OR? Quercus, Carya	115
Inonotus circinatus (Fr.) Gilbn. ID, MT, OR, WA, WY on conifers (Pinus)	15. 115. 116, 120. 122
Inonotus dryadeus (Pers.: Fr.) Murr. OR? Abies, Quercus	115, 17
Inonotus dryophilus (Berk.) Murr. OR?, ID Quercus	115, 122
Inonotus obliguus (Pers.: Fr.) Pilat ID, MT? Betula. rarely Ulmus, Fagus, Ostrya	115
Inonotus radiatus (Sow.:Fr.) Karst. ID, MT?, OR?, WA? Betula. Alnus, Fagus, Acer	17, 115
Inonotus rheades (Pers.) Bond, et Sing. ID, MT? Populus tremuloides, P. grandidentata	115. 17
Inonotus subiculosus (Pk.) Erikss. et Strid. MT? Abies, Pseudotsuga. Thuja	115
Inonotus tomentosus (Fr.) Teng ID. MT, OR, WA, WY on wood of conifers (pine, spruce)	3, 17, 115, 116, 120. 122
Ischnoderma resinosum (Fr.) Karst. ID, **MT?,** OR?, **WA? Abies,** Larix. Picea, Pinus, Pseudotsuga. Thuja	17, 98, 102. 115. 120, 122
Junghuhnia collabens (Fr.) Ryv. ID, Ml?, OR? on dead wood of conifers, rarely hardwoods	115
Junghuhnia fimbriatella (Pk.) Ryv. WA? Populus	115
Junghuhoia luteoalba (Karst.) Ryv. ID, MT?, OR? Abies, Larix, Pinus, Pseudotsuga. Tsuga	115
Junghuhnia zonata (Bres.) Ryv. ID, **MT?, WA? Abies,** Larix, Pseudotsuga. Tsuga	115
Laetiporus sulphureus (Fr.) Murr. ID, Ml?. OR?, WA? Quercus	17.98, 102, 115, 120, 122
Lentaria byssiseda (Fr.) Corner ID, OR, WA on wood, conifers, lignin-rich humus	17, 123
Lentaria pinicola (Burt.) Petersen ID on wood, conifers, lignin-rich humus	17. 119, 122. 123
Leptoporus mollis (Pers.: Fr.) Pil. ID, MT?, OR?, WA?, WY? Abies, Pinus, Picea, Pseudotsuga	17, 115
Lycoperdon foetidum Bon. WY, ID on soil in hardwood & coniferous woods, in humus & debris	15.121, 173,131
Lycoperdon marginatum' ID, MT in sandy soil, waste places. oak, pine	121, 123

Table 5. (cont.)

Name Distribution Habitat	Sources
Lycoperdon **perlatum Pers. ex Pers.** WY, ID, MT on soil in woods, conifers or mixed conifer-hardwoods	15, 120. 121, 123. 131
Lycoperdon pulcherrimum MT in humus or on very rotten wood. hardwoods	121, 123
Lycoperdon pyriforme Schaeff. ex Pers. WY, ID, MT on dead or rotten wood of broadleaved trees & conifers, sometimes soil	15,120, 121. 122. 131
Lycoperdon umbrinum Pers. WY. MT. ID needle litter in spruce forests, grasses & herbs, burned soil, clear-cuts	15,120, 121, 131
Macrotyphula fistulosa (Fr.) Petersen ID, OR. WA on dead wood, conifer or hardwood	17,131
Meruliporia incrassata (Berk. & Curt.) Murr. ID, OR?, WA? conifer structural timbers or stored lumber, occas. hardwood lumber	116
Mucronella fusiformis (Kauffm.) K. Harrison ID, OR, WA on wood	17. 131
Mucronella pendula (Massee) Petersen ID. OR, WA on wood	17, 95, 97, 131
Mycenastrum corium (Guers.) Desv. WY, MT in horse corrals, composted areas, fields where livestock grazes	15. 121, 123
Nidula candida (Pk.) White ID rotting wood, berry canes, herbaceous debris	120. 123
Nidula nivea-tomentosa (Henn.) Lloyd ID among mosses	122. 137
Nidularia farcta (Roth. ex Pers.) Fr. ID on partially rotted wood	120, 137
Oligoporus amarus (Hedge.) Gilbn. & Ryv. OR? on wood of Libocedras decurrens	116
Oligoporus anguloporus (M. J. Larsen & Lomb.) OR Pseudotsuga menziesii	1 1 6
Oligoporus caesius (Schrad. : Fr.) Gilbn. & Ryv. ID, MT. OR, WA, WY Brown rot of dead conifer & hardwood	17, 71, 101, 102. 116. 120
Oligoporus floriformus (Quel.) Gilbn. & Ryv. ID. OR, WA brown cubical rot of dead conifers & hardwoods	116
Oligoporus fragilis (Fr.) Gilbn. & Ryv. ID, MT. OR, WA, WY Brown cubical rot of dead conifers, rarely on Populus	17. 116, 120
Oligoporus leucomallellus (Murr.) Gilbn. & Ryv. UD Lax-ix. Picea, Pinus	116
'Oligoporus leucospongia (Cke. & Harkn.) Gilbn. & Ryv. ID, MT?, OR?, WA?, WY Abies, Picea, rarely Populus	1, 17, 71, 101, 102, 116
Oligoporus mappus (Overh. & Lowe) Gilbn. & Ryv. ID brown cubical rot of dead conifer, occas. hardwoods	116
Oligoporus obductus (Berk.) Gilbn. and Ryv. WY, ID dead wood of conifers	15. 120. 115, 116
Oligoporus obductus (Berk.) Gilbn. & Ryv. ID, MT?, OR?, WA? brown rot of conifers, rarely hardwoods	116
Oligoporus perdelicatus (Murr.) Gilbn. & Ryv. ID, OR, WA, MT brown cubical rot on dead conifers, rarely on hardwoods	17. 116
Oligoporus placentus (Fr.) Gilbn. & Ryv. ID, MT?, WA? rarely aspen	116

Table 5. (cont.)

Name Distribution Habitat	Sources
Oligoporus sericeomollis (Rom.) Pouz. ID, WY?, MT?. OR?, WA? western red cedar, Black cherry	116
Oligoporus stipticus (Pers.:Fr.) Gilbn. & Ryv. ID, OR, WA, MT on dead conifers and hardwoods	17. 120, 116
Oligoporus tephroleucus (Fr.) Gilhn. & Ryv. ID, MT? brown cubical rot of dead conifers & hardwoods	116
Oligoporus undosus (Pk.) Gilbn. & Ryv. ID, OR, WA, MT brown cubical rot on dead conifers and hardwoods	17, 116
Oxyporus cunneatus (Murr.) Aoshima ID, MT?, OR?. WA? Larix, Taxodium, Tsuga, Thuja plicata, Sequoia. Abies	17. 116
Oxyporus similis (Bres.) Ryv. ID, MT?, OR?, WA? Populus	116
Perenniporia ellisiana (F. W. Anderson) Gilbn. & Ryv. ID, MT?, OR?. WA?, WY? Shepherdia	116
Perenniporia fraxinophila (Pk.) Ryv. OR?, MT? Fraxinus	17. 116
Perenniporia medulla-panis (Jacq.: Fr.) Donk ID, Ml?, OR?. WA? on wood, numerous hardwoods, rarely conifers	116
Perenniporia ohiensis (Berk.) Ryv. WY? dead wood of hardwoods	116
Perenniporia suhacida (Pk.) Donk ID, MT, OR, WA, WY live and dead wood of conifers (fir and hemlock. pine)	120. 115, 116
Perenniporia tenuis (Schw.) Ryv. var. tenuis MT? on dead hardwoods & conifers	116
Perenniporia tenuis var. pulchella (Schw.) Lowe ID. MT?, OR?, WA?, WY? aspen	116
Phallus impudicus Pers. . ID lawns, gardens, rich humus	120
Phellinus arctostaphyli (Long) Niemela OR? Arctostaphylos. Adenostoma. rarely Cercocarpus	116
Phellinus chrysoloma (Fr.) Donk ID, MT?, OR?, WA?, WY? Picea	17, 116
Phellinus everhartii (Ell. & Gull.) A. Ames ID, MT?, OR? Quercus	17, 116
Phellinus ferrugineofuscus (Karst.) Bourd. ID, MT?, OR?, WA?, WY? spruce-fir	116
Phellinus ferruginosus (Schrad.: Fr.) Bourd. et Galz. ID, MI?. OR?, WA? dead wood of hardwoods (Alnus, Salix); rarely conifers	116
Phellinus hartigii (Allesch. & Schnabl.) Bond. ID, MT?, OR?. WA? Tsuga	116
Phellinus laevisatus (Fr.) Bourd. & Galz. ID, Ml?, OR?, WA? Betula, Picea	116
Phellinus occidentalis (Overh.) Gilbn. & Ryv. ID, MT?, OR?, WA? Crataegus	17, 116
Phellinus pomaceus (Pers.: S. F. Gray) Maire ID, MT?, OR?. WA?, WY? Prunus	17, 116
Phellinus prunicola (Murr.) Gilbn. MT? Prunus	116

Table 5. (cont.)

Name Distribution Habitat	Sources
Phellinus punctatus (Fr.) Pilat ID, OR?, MT?, WA?, WY? on dead trunks, branches of hardwoods (Salix, Corylus)	116
Phellinus repandus (Overh.) Gilbn. ID, MT?, OR?, WA? on dead wood of fallen conifers	17, 116, 131
Phellinus robineae (Murr.) A. Ames ID Robinia	17, 116
Phellinus tremulae (Bond.) Bond. & Boriss. ID, MT?, OR?, WA?, WY? Populus tremuloides, P. grandidentata	17. 116
Phellinus weirii (Murr.) Gilbn. ID, MT?, OR?, WA? western red cedar. Douglas fir	116
Phellodon malaleucus (Fr.) Karst. ID on soil in mixed woods, often among Vaccinium	17.120.131
Phellodon tomentosus (Fr.) Banker ID on soil under conifers and mixed hardwood forests	17.89. 120
Phlogiotis helvelloides (Fr.) Martin WY, ID on humus, debris and rotten wood	9, 120, 122
Phylloporia ribis (Fr.) Ryv. ID, MT?, OR?, WA?. WY? Ribes	116
Physisporinus sanguinolentus (Alb. & Schw.: Fr.) Pilat ID, MT?, OR?, WA? dead wood of conifers and hardwoods	116
Physisporinus vitreus (Pers.: Fr.) Karst. ID, WA? dead wood of hardwoods. rarely conifers	116
Piptoporus betulinus (Bull.: Fr.) Karst. ID, WA, MT? Betula papyrifera, Betula allegheniensis	17. 116
Polyporus alveolaris (DC.:Fr.) Bond. & Sing. MT, ID on dead hardwoods	17, 115. 116. 123
Polyporus arcularius Batsch.: Fr. ID, MT?, OR?, WA? Juniper, Douglas fir	17. 116
Polyporus badius (Pers.: S. F. Gray) Schw. ID, MT, OR, WA dead wood of hardwoods and conifers	17.71, 101, 102. 115. 116, 120, 122
Polyporus cryptopus Ell. & Barth WA lodgepole pine	116
Polyporus elegans Bull. ex Fr. WY, ID, MT?, OR?, WA? on dead hardwoods, occasionally conifers	1. 15. 17. 116, 120
Polyporus melanopus Fr. ID, MT?, OR?, WA?, WY? on buried wood of hardwoods and conifers	17. 116, 122
Polyporus varius Fr. ID, MT?, OR?, WA? dead wood of conifers and hardwoods	15. 116, 17, 120
Pseudohydnum gelatinosum (Scop.: Fr.) Karst. WY, ID rotting logs, twigs, and humus under conifers	5, 17. 71, 120, 122. 123
Pycnoporellus alboluteus (El. & Ev.) Kotl. & Pouz. WY, ID, MT?, OR? Picea, aspen	1, 15. 17.71, 101, 102. 116. 120
Pycnoporellus fulgens (Fr.) Donk ID, MT?, OR?, WA? on conifer logs and slash; occasionally on hardwoods	17, 116
Pycnoporus cinnabarinus (Jacq.: Fr.) Karst. ID, MT?, OR?, WA?, WY dead wood of hardwoods and conifers	116. 15, 17, 120
Pyrofomes demidoffi (Lev.) Kotl. et Pouz. ID, MT?, OR?, WA?, WY? Juniperus	17. 116

Table 5. (cont.)

Same Distribution Habitat	Sources
Ramariopsis corniculata (Fr.) Petersen ID, OR, WA in meadows, fern marshes and mosses	17, 75, 82, 131
Ramariopsis fusiformis (Fr.) Petersen ID, OR, WA in meadows, fern marshes and mosses	17, 74, 82, 131
Ramariopsis kunzei (Fr.) Donk ID on the ground under mixed woods and under conifers	17, 74, 76, 83, 120, 123. 131
Ramariopsis laeticolor (Berk. & Curt.) Petersen ID on the ground in forests	17. 80, 82, 122
Rigidoporus crocatus (Pat.) Ryv. ID, MT?, WA? on dead wood of conifers and hardwoods	116
Schizopora flavipora (Cke.) Ryv. OR? on dead wood of hardwoods	116. 123
Skeletocutis nivea (Jungh.) Keller ID, MT, OR, WA white rot of dead hardwoods, rarely on conifers	17. 116
Sphaerobolus stellatus Tode ex Fr. WY, ID on rotten wood and decomposing plant remains	15,120. 131
Spongipellis unicolor (Schw.) Murr. OR? Quercus	116
Stereum hirsutum (Fr.) S. F. Gray ID on deciduous wood; occasionally spruce and fir	120. 122, 136
Stereum ostrea (Blume and Nees) Fr. ID on standing hardwood twigs and branches	120, 122, 123. 131.
Stereum sanguinolentum (Alb. and Schw.: Fr.) Fr. ID on dead standing conifer wood (fir, pine. spruce. larch)	120, 122
Trametes cervina (Schw.) Bres. ID, OR? on dead wood of hardwoods, rarely conifers	116
Trametes hirsuta (Wulf.: Fr.) Pilat ID. MT?. OR?, WA?, WY? on dead wood of hardwoods. rarely conifers	17. 116. 122
Trametes ochracea (Pers.) Cilbn. & Ryv. ID. MT?, OR?, WA?, WY? on dead wood of hardwoods, rarely conifers	116
Trametes pubescens (Schw.: Fr.) Pilat ID, MT?, OR?, WA?, WY? on dead wood of hardwoods rarely conifers	17. 116
Trametes suaveolens L.: Fr. ID, MI?, WY? Salix, Populus. Betula, Abies	17, 116
Trametes trogii Berk. in Trog. ID mainly on dead poplar, willow and birch	17, 116, 123
Trametes versicolor (L. :Fr.) Pil. ID, MT?. OR?, WA? ondeadhardwoods	17, 1, 101, 102. 116. 120. 122
Trechispora mollusca (Pers.:Fr.) Liberta ID, MT?, OR?, WA? on conifer or hardwood logs and slash	116. 123
Tremella foliacea ID on hardwood stumps, logs and fallen branches; occasionally on conifers	119, 120, 123
Tremella mesenterica Retzius ex Fr. WY on hardwood stumps, logs and fallen branches	1, 126
Trichaptum abietinum (Dicks.: Fr.) Ryv. ID, MT, OR, WA, WY on dead conifer wood (fir, pinus, spruce, larch, Douglas fii)	5, 15, 17, 116, 122, 98, 102. 120, 123, 131
Trichaptum biforme (Fr.) Ryv. ID, OR, WA on decaying hardwoods	116, 17. 120. 123

Table 5. (cont.)

Name Distribution Habitat	Sources
Trichaptum laricinum (Karst.) Ryv. ID, MT, OR, WY, WA on sapwood of dead conifers	116
Trichaptum subchartaceum (Murr.) Ryv. ID, MT, WY Populus	17, 116
Tyromyces chioneus (Fr.) Karst. ID, MT, OR, WA on dead conifers and hardwoods (birch)	17,120, 116
Tyromyces galactinus (Berk.) Lowe MT?, WA?, OR? white rot on dead deciduous wood	116
Tyromyces kymatodes (Post. sensu B. & G.) Donk. ID, OR, WA on wood of conifers	17
Wolfiporia cocos (Schw.) Ryv. & Gilbn. ID, MT?, OR?, WA? Quercus. Popuius	116
Basidiomycotina Unknown Gilled mushrooms	
Calocybe ionides (Bull. ex Fr.) Donk ID, MT in woods	121, 126
Entoloma byssisedum (Pers. ex Fr.) Donk ID on rotten wood or on ground, parasitizing subterranean fungi	120, 126
Entoloma cetratum (Fr. ex Fr.) Moser WY in spruce woods	6, 126
Entoloma clypeatum (L. ex Fr.) Kummer ID rosaceous bushes, lawns	120, 126
Entoloma mammosum (Fr.) Hesler ID grassy places	120, 126
Entoloma sericellum (Bull. ex Fr.) Kummer **ID woods, meadows, pastures,** marshes	120. 122, 126
Entoloma vernum Lundell WY in moss or grass, edges of woods	13, 126
Hygrophorus colemanianus Blox. apud Berk. ID on humus in oak & beech	120
Hygrophorus foetans Phillips apud Berk. & Br. ID on naked soil in **open young** hardwood stands	19
Hygrophorus metapodius Fr. ID, OR, **WA** on soil	19
Inocybe albodisca Pk. ID on soil under mixed woods, fir	120, 121, 122, 123
Inocybe fuscodisca (Pk.) Massee ID under conifers	120
Naucoria escharoides (Fr. : Fr.) Kummer WY, MT, ID under alders	10, 121, 122, 126
Naucoria luteolofibrillosa (Kuhn.) Kuhn., & Romagn. WY under alders	10, 126
Basidiomycotina Unknown chanterelles	
Cantharellus formosus Corner ID, OR, WA on ground in conifer woods	17, 69, 71, 123

Table 5. (cont.)

Name Distribution Habitat	sources
Cerrena unicolor (Bull.: Fr.) Murr. ID. MT?, OR?, **WA?, WY?** on dead hardwoods, rarely on conifers, white rot	17. 115, 122, 123
Clavulina cinerea (Fr.) Schroet. ID on ground in mixed woods and under conifers	17, 74, 76. 120. 123
Dentinum albidum (Pk.) Snell ID under mountain conifers	59. 120. 123
Dentinum umbilicatum (Pk.) P ID under conifers	59. 120, 123
Jahnoporus hirtus (Quél. ex Cke.: ID, OR, WA on ground around old st trees of conifers (Douglas fir), often on buried wood	17. 115, 116. 120. 122, 123
Polyporoletus sublividus Snell ID, WA? on ground under hardwoods	116
Skeietocutis alutacea (Lowe) Keller ID, WA?, OR?, MT? on dead wood of conifers and ha	116
Skeletocutis amorpha (Fr.) Kotl. & Pouz. ID. MT?, OR?, WA?, WY? Pinaceae	17. 116
Skeletocutis stellae (Pilat) Keller ID, MT?, OR?, WA? Picea	116
Skeletocutis subincarnata (Pk.) Keller ID, MT? Picea. Pinus	116
Basidiomycotina Parasitic Gilled mushrooms	
Pholiota connata Smith & Hesler WA? on living Acer negundo	26
Pholiota malicola (Kauf.) Smith var. macropoda Smith & Hesler ID. OR?, WA? on wood, debris or base of living conifer and hardwood trees	26
Pholiota squarrosa (Fr.) Kumm. var. squarrosa Smith & Hesler ID. WY? on living conifer and hardwood trees	26
Basidiomycotina Parasitic polypores	
Fomitopsis officinalis (Vill. : Fr.) Bond. & Sing. ID, WY, MT, WA, OR on living conifers (Pinus, Picea, Abies, Tsuga. Larix, Pseudotsuga), then on dead trees	**115, 116, 12017,**
Heterobasidion annosum (Fr.) Bref. ID, MT?, OR?, WA? on conifers (Abies), especially second growth mountain conifers	17, 115, 120, 123
Inonotus hispidus (Bull. ex Fr.) Karst. **WY, WA, OR** on living hardwoods (oak, Juglans)	**15, 115,** 116
Phaeolus schweinitzii (Fr.) Pat. WY, ID, MT?, OR?, WA? Douglas fir	1, 15, 17, 59, 71, 102,116, 120,122
Phellinus igniarius (L. ex Fr.) Quél. WY, ID, MT, WA, OR on hardwood trunks (birch, aspen, willow, alder), usually living, causes intensive white heart rot	15. 17, 116,120. 123,131
Phellinus nigrolimitatus (Rom.) Bourd. & Galz. ID, WY, MT, WA, OR perennial on mountain conifers, especially Picea	17, 116, 120. 123
Phellinus pini (Thore ex Fr.) A. Ames ID, WY, MT, WA, OR on living or recently dead conifers (pine, Douglas-fir), rarely hardwoods	2, 15, 116. 120, 123. 17, 101, 102, 122,
Phellinus robustus (Karst.) B. & G. ID, OR, WA on living hardwoods	**17**

Table 5. (cont.)

Name Distribution Habitat	Sources
Sparassis crispa Wulf:Fr. ID on buried roots of conifers	17, 59, 120. 122
Spongipellis pachyodon (Pers.) Kotl. & Pouz. ID, OR, WA on living hardwoods	17, 116
Basidiomycotina Saprouophic, Parasitic Gilled mushrooms	
Crepidotus mollis (Schff. ex Fr.) Kummer **ID in living and dead deciduous wood**	120. 126
Pholiota flavida (Fr.) Singer var. flavida ID, OR? on living trees and stumps of conifers	26, 119
Pholiota squarrosa (Muller ex Fr.) Kumm. WY, ID living or dead **hardwoods** (aspen, willow, cottonwood)	1, 15, 120
Basidiomycotina Saprotrophic, Parasitic polypores	
Daedaleopsis confragosa (Bolt.: Fr.) Schroet. MT?, WA?, ID on dead hardwoods (especially willow), rarely conifer wood, sometimes wounds in living trees	17, 59, 115, 123, 123
Dichomitis squalens (Karst.) Reid ID. OR, WA white pocket rot of living and dead conifers	17, 115.
Fomes fomentarius (L.: Fr.) Kickx. ID. MT. OR, WA, WY on dead **hardwoods** (especially birch and maple) or in wounds in living trees	17. 115. 120, 122. 123
Hericium erinaceum (Fr.) Pers. ID on wounds of living hardwoods or wet ends of recently felled logs (maple)	17. 122
Oligoporus balsameus (Pk.) Gilbn. & Ryv. ID, OR, WA, MT on trunks of living conifers. and on dead conifer wood	17, 116
Oligoporus guttulatus (Pk.) Gilbn. & Ryv. ID, OR, WA, MT on dead conifers and hardwoods, and living spruce	**17, 116, 120, 122**
Phellinus conchatus (Pers.: Fr.) Quel. ID, MT?, OR?, WA?, WY? living and dead hardwood trees (Salk)	17, 116,131
Spongipellis delectans (Pk.) Murr. OR?, MT? on living or dead hardwoods	**116**
Spongipellis spumeus (Sow.: Fr.) Pat. ID, MT?, WA on living and dead hardwoods	17, 116
Ascomycotina Ectomycorrhizal False truffles	
Elaphomyces granulatus Fr. ID pine	16.35
Elaphomyces muricatus Fr. WY hypogeous under conifers, pines	11.59
Geopora cooperi Harkn. WY. ID on or in soil esu. in conifers	5, 14, 16, 33, 123
Ascomycotina Saprouophic cup fungi	
Aleuria aurantia (Fr.) Fuckel **ID on bare soil** or sand along roads, paths: also in grass or moss	16, 35, 47, 50, 120. 122, 123

Table 5. (cont.)

Name Distribution Habitat	Sources
Anthracobia macrocystis (Cke.) Boud. ID, OR, WA burned areas, sterilized soil in greenhouses	16. 123
Anthracobia melaloma (Albertini & Schweinitz) Boudier WY, ID burned areas, sterilized soil in greenhouses	9, 16. 123
Arachnopeziza obtusipila Grelet WY on fallen cones of Larix	15, 35
Ascobolus furfuraceus Pers. ex Fr. ID on dung, principally cow	16, 129
Ascobolus immersus Pers. W-Y dung	15
Bisporella citrina (Batsch) Korf & Carpenter WY, ID on rotten wood	15,120, 122, 123
Caloscypha fulgens (Pers.) Boud. WY, ID damp soil or duff under conifers in western mountains	2,15,16, 47, 50, 51, 123
Chlorociboria aeruginascens ID on dead or barkless wood (usually oak)	120, 123
Coprobia granulata (Fr.) Boud. ID, OR. WA on mainly cow dung	16, 123
Coprotus ochraceus (Crouan & Crouan) Larsen WY, ID on dung	15, 16
Cudonia circinans Fr. ID on humus. soil and rotting wood, particularly under conifers	16, 59, 120. 122. 123
Cudonia grisea Mains ID, OR, WA on rotting conifer wood	16, 59
Cudonia monticola Mains WY, ID on soil and rotten conifer wood	6, 16.45, 59. 120
Dasyscyphus bicolor (Fr.) Fuckel WY on fallen twigs and branches of Quercus, Alnus, rarely Fraxinus	15,129
Dasyscyphus virgineus (Fr.) Fuckel WY on dead branches, twigs, canes of Rubus, beechnut shells. cones	2, 3, 15, 129
Discina apiculatula McKnight WY. ID spruce-fir	3, 15. 16. 46
Discina macrospora Bubak ID on soil and rotting wood under conifers and mixed woods	16.59
Discina olympiana Kanouse WY on humus under conifers	15, 59
Discina perlata (Fr.) Fr. ID, WY on soil and rotting wood under conifers and mixed woods, one of "snowbank" fungi	2, 15. 16. 35, 46, 47, 50, 59
Geoglossum fallax Durand ID, OR, WA on humus & rotten logs	16.59
Geoglossum glabrum Fr. ID, OR, WA on soil	16.59
Geopyxis carbonaria (Pers.) Sacc. ID, WY in burned areas	15, 16, 35, 47, 50, 123
Geopyxis vulcanalis (Pk.) Sacc. WY, ID in duff or moss with conifers, in bum areas	15. 16.47, 50, 120, 123
Gyromitra ambigua Karst. WY, ID on rotten wood. soil, humus. along roads, in burned areas, hardwoods, conifers	1. 16, 123

Table 5. (cont.)

Name .-Distribution . Habitat	Sources
Gyromitra californica (Phill.) Raitv. **WY, ID** in **woods & at** edges, along **streams,** often in **disturbed soil**	1, 15, 16, 47, 50, **120. 123**
Gyromitra esculenta Fr. WY, ID in hardwoods, esp. conifers in **montane &** northern conifer forests	15, 16, 35, 47, **50,** 52, 123
Gyromitra gigas (Krombh.) Quel. WY, ID on soil or rotten wood in conifer forests, near melting snow	**2, 15. 16, 50, 53, 54, 123**
Gyromitra infula (Schaeff. ex Fr.) Quel ID, **WY** on rotten wood, soil, humus. along roads, in burned areas, with hardwoods & conifers	**3, 15. 16, 35.47, 50, 120, 123**
Helvella acetabulum (L. ex St.' Ammans) Quel **WY, ID in woods and** forest edges	**15, 16, 35, 55, 123**
Helvella crispa Scop. ex Fr. ID on ground or rotten wood under hardwoods and conifers	16, 35.42. 47, 55
Helvella elastica Bull. ex St. Amans **WY,** ID in woods near streams **and paths**	**15. 16, 42, 47, 50, 55. 120, 122**
Helvella lacunosa Afz. ex Fr. WY, ID in woods and under trees (Oak. Douglas-fu, cedar)	**15. 16. 35, 47, 50, 120**
Helvella leucomelaena (Pers.) Nannf. WY, ID on ground under conifers (pine); grassy **areas** or hard-packed soil along roads	**3. 5, 16.42.47, 55**
Helvella macropus (Pers. ex Fr.) Karst. ID on ground or rotten wood under hardwoods or conifers	**16. 35, 42, 55, 120**
Helvella maculata Weber WY in mixed woods and under conifers	**6**
Helvella villosa (Hedw. ex Kuntze) Dissing & Nannfeldt ID on soil in conifer forests	**16**
Iodophanus carneus (Pers.) Korf WY on dung	**2, 15, 16**
Lachnellula arida (Phill.) Dennis WY dead branches of **Larix,** other conifers	1, 15, 129
Lachnellula subtillissima (Cooke) Dennis **WY** dead branches of **Abies alba,** less often **Picea & Pinus**	**15,** 129
Lachnellula suecica (DeBary ex Fuckel) Nannf. WY dead branches of **Pinus mugo, Larix**	1, 15. 129
Lamprospora crec' hqueraultii (Cr.) Boud. ID, OR, WA on soil	16
Lamprospora spinulosa Seaver ID. OR, WA on soil among mosses	**16**
Lasiobolus ciliatus (Fr.) Boud. ID on dung	16
Leucoscypha rutilans (Fr.) Dennis & Rifai ID, OR, WA on wet soil	**16**
Meladina lechitina (Cke.) Svrcek ID, OR, WA on submerged or very wet wood	**16**
Melastiza chateri (W. G. Smith) Boud. ID on wet soil	16, 122
Mitrula abietis Fr. ID needleduff	16.35.44
Mitrula gracilas Karsten ID, OR, WA in moss	16

Table 5. (cont.)

Same Distribution Habitat	Sources
Mollisia cinerea (Batsch) Karst. WY on damp rotting wood esp. Quercus & Fagus	15, 129
Morchella angusticeps Pk. WY, ID under conifers, hardwoods, in burns	3, 16, 50, 52
Morchella elata Fr. WY, ID under conifers, aspen, in burned areas	15, 16, 35, 47
Morchella esculenta Pers. ex St. Ammans WY, ID? in woods, streamsides. old orchards, cultivated or disturbed soil, burned areas	15, 16, 35, 47 50
Morchella semilibra D. C. ex Fr. **WY, ID alder, cottonwood**	15. 16, 35, 50, 52
Neolecta irregularis (Pk.) Korf WY, ID on soil in moss duff under conifers, spruce, fii	10, 122. 123
Otidea abietina (Fr.) Fuckel ID on needle litter, moss covered soil	16, 131
Otidea alutacea (Fr.) Massee WY, ID in broadleaved forests on soil, humus. Douglas fir. oak	9, 16, 40, 47, 120, 131
Otidea concinna (Pers.) Sacc. ID on mossy soil, in broadleaved forests, under Fagus	16. 131
Otidea leporina (Batsch) S. F. Gray **WY, ID Douglas fir**	15. 16, 40, 47
Otidea onotica (Fr.) Fuckel ID in hardwoods, conifers	16, 120
Otidea smithii Kanouse **ID conifer duff**	16. 40. 47,, 120
Pachyella babingtonii (Berk.) Boud. ID. OR, **WA on** wet wood. spruce cones, rotting vegetation	16, 131
Perrotia populioa (Seaver) Dennis **WY dead twigs &** branches of hardwoods, aspen, ash	15
Peziza domiciliana Cooke ID damp loamy-sandy soil, sandstone, masonry, building rubble, etc.	16. 129
Pithya cupressina (Batch ex Fr.) Fuckel ID, WA, OR on cedar	16. 123
Pithya vulgaris Fuckel ID Abies	16, 35.47, 50
Plectania melastoma (Sow ex Fr.) Fuckei ID decaying sticks and debris of hardwoods and conifers	16, 35.47, 50, 123
Plectania nannfeldtii Korf WY, ID Picea, Abies litter	2, 15. 16, 47, 50
Plicaria endocarpoides (Berk.) Rifai ID on burnt ground, old campfire sites	16, 35, 47, 50, 123, 126
Pseudoplectania melaena (Fr.) Bond ID on humus under conifers after snowmelt	16.47.50
Pseudoplectania nigrella (Pers. ex Fr.) Fuckel **WY, ID under conifers**	15, 16, 35, 47, 50, 123
Pulvinula archeri (Berk.) Rifai ID, OR, WA **on dung and manure**	16, 123
Pyronema domesticum (Sowerby ex Fries) Saccardo **WY on burned ground**	13. 129

Table 5. (cont.)

Name Distribution Habitat	Sources
Pyronema omphaloides (St. Amans) Fuckel ID, OR. WA on burned ground	16, 129
Saccoboius depauperatus (Berk. & Br.) Hansen ID? on dung	16
Saccobolus glaber (Pers.) Lamb. WY on dung	3, 15
Saccobolus **versicolor (Karst.) Karst.** ID? on dung	16
Sarcoscypha coccinea (Fr.) Lambotte ID, OR, WA hardwood sticks	16
Sarcosoma latahensis Paden & Tylutki ID? on litter in conifer forests near snowbanks	16; 47, 49
Sarcosphaera crassa (Santi ex Steadl) Pouz. WY, ID in litter conifer and hardwood forests	1. 15. 16, 35.47
Sclerotinia caricisampullacae Nyborg WY in wet meadows on Carex	15
Scutellinia erinaceus (Schw.) Kuntze ID? on rotten wood	16, 123
Scutellinia scutellata (L. ex Fr.) Lambotte WY. ID on rotting wood, debris or humus	1, 15. 16, 120, 122
Scutellinia umbrarum (Fr.) Lamb. ID? on soil, rarely on wood	16, 34, 47, 50
Spathularia flavida Fr. ID on duff under conifers	16, 35, 44, 120. 122
Spathularia velutipes Cooke & Farl. ID, OR, WA on humus or rotten wood under conifers	16. 123
Sprague ola irregularis (Pk.) Nannfeldt WY on the ground in moss	10. 16
Tarzetta cupularis (Linnaeus: Fr.) Lambotte WY, ID on soil among moss	9, 16. 35, 36, 37.47
Thecotheus cinereus (Crouan & Crouan) Chenant. WY, ID? on cow dung	15, 16
Trichoglossum velutipes (Pk.) Durand ID, OR, WA on soil or rotting wood	16.59
Verpa bohemica (Krombh.) Boud. ID, WY open deciduous forests, river meadows, sandy soil along rivers, cottonwood. alder	15, 16.47, 50, 129
Ascomycotina Saprotrophic pyrenomycetes	
Byssonectria aggregata (Rogers. & Korf) WY on ground associated with Nannfeldtiella aggregata	3, 15, 123
Daldinia concentrica (Bolt. ex Fr.) Ces and de Not. ID on dead hardwood logs, branches, bark	120, 123, 129
Hypomyces lateritius (Fr.) Tul. WY on fruiting bodies of mushrooms, especially Lactarius and Russula	15
Podospora curvula Niessl WY dung of ungulates and horses	15

Table 5. (cont.)

Name Distribution Habitat	Sources
Ascomycotina Unknown Cup fungi	
Peziza ammophila Durieu & Montagne ID embedded in soil	**16.129**
Peziza arvernensis Boud. WY on soil in woods, hardwoods. conifers	3, 15, 16.47, 50, 123, 129
Peziza badia Pers. ex. Merat ID on embankments, forests. bare sandy soil, freshly broken sandy-loamy soil	16, 35, 38, 50, 120129
Peziza badioconfusa Korf ID rotting wood, conifer litter, rarely soil in conifer woods	16, 35. 38, 47. 50
Peziza brunneoatra Desm. ID damp soil along roads. paths. woods, near streams, under trees	**16, 35, 47, 50**
Peziza echinospora Karst. ID burned areas	16, 129
Peziza fimeti (Fuckel) Seaver WY cow dung	**5.35**
Peziza praetervisa Bres. ID deciduous & coniferous forests among moss & grass, in leaves on bare soil. burned areas	16, 35.47, 50, 122, 129
Peziza repanda Persoon WY on logs, branches, hardwoods, lignin-rich humus, wood chip mulch	9, 16. 35.47, 50
Peziza varia (Hedw.) Fr. ID in forests & gardens on buried or rotting wood	16, 35.47, 129
Peziza vesciculosa Bull. ID on dungheaps, manured soil, horse manure. commercial mushroom beds	15, 16, 35, 47, 50, 129
Tricharina gilva (Boud.) Eckblad ID, OR, WA on bare and mossy burned ground	16, 129
Trichophaea abundans (Karst.) Boud. ID? grows in burned areas	16. 123
Trichophaea boudierii Grel. ID wet soil under conifers	**16, 39, 41, 47, 133**
Trichophaea gregaria (Rehm) Boud. **W Y sandy** ground near paths and burned areas	5, 15, **129**
Ascomycotina Parasitic pyrenomycetes	
Cordyceps **capitata (Holmsk. ex Fr.) Link** ID parasitic on underground Elaphomyces species in coniferous forests	122.123.129
Cordyceps **ophioglossoides (Ehrh. ex Fr.) Link** ID parasitic on underground Elaphomyces species in coniferous forests	120, 123, 129
Hypomyces lactifluorum ID in woods, partially in duff, of fruiting bodies of Lactarius & Russula	**120,123**
Hypomyces luteovirens ID on fruiting bodies	**120**

Table 5. (cont.)

Same Distribution / Habitat	Sources
Zygomycotina Ectomycoxrhizal sporocarpic	
Endogone lactiflua Berk. & Broome WY hypogeous under conifers (pine)	14
Zygomycotina Endomycorrhizal asporocarpic	
Acaulospora elegans WY grasslands, prairies, shrub steppe	113
Acaulospora gerdmannii WY grasslands, prairies, shrub steppe	113
Acaulospora lactis ID. OR. WA grasslands, prairies, shrub steppe	109
Acaulospora scrobiculata ID, OR, WA grasslands, prairies, shrub steppe	109
Acaulospora spinosa WY grasslands, prairies, shrub steppe	113
Entrophospora infrequens WY grasslands, prairies, shrub steppe	112
Glomus etunicatum WY grasslands, prairies, shrub steppe	113
Glomus fasciculatum ID, OR. WA. WY grasslands, prairies, shrub steppe	109,111. 112,113
Glomus **macrocarpum** ID, OR, WA grasslands, prairies, shrub steppe	109, 111, 113
Glomus microcarpum ID, OR, WA, WY grasslands, prairies, shrub steppe	109, 111, 112, 113
Glomus monosporum WY grasslands, prairies, shrub steppe	113
Glomus mosseae WY, ID grasslands, prairies, shrub steppe	111, 112, 113
Giomus scintillans ID, OR, WA grasslands, prairies, shrub steppe	107,108
Glomus tenuis ID, OR, WA grasslands, prairies. shrub steppe	109