

The aphyllorphales (*Basidiomycota*) of a Mediterranean biodiversity “hotspot” — “Cazorla, Segura & Las Villas” Natural Park (Spain)

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Abstract — A preliminary inventory of the aphyllorphales. of the “Cazorla, Segura & Las Villas” Natural Park is presented, based on original data augmented by literature references. This catalogue includes 200 species representing to 90 genera. Seven species are new to the catalogue of Spanish mycobiota: *Antrodia albidoides*, *Fibricium subceraceum*, *Gloeodontia columbiensis*, *Hyphodermella densa*, *Oliveonia pauxilla*, *Postia undosa*, and *Skeletocutis albocrema*.

Key word — mycobiota, corticioid fungi, polypores, fungal diversity, Iberian Peninsula

Introduction

“Hotspots” are areas characterized by exceptional number of endemic species that have suffered an extraordinary habitat loss. Regions with Mediterranean climate (wet winters and dry summers) account for most of the world’s extra-tropical biodiversity hotspots (Myers et al. 2000), being both highly diverse and highly endangered. The biota of these regions is characterized by high diversity, with large numbers of highly localized endemic species (Cowling et al. 1996). The Mediterranean Basin hotspot stretches from Portugal to Jordan and from Morocco to northern Italy.

The “Cazorla, Segura & Las Villas” Natural Park, the largest protected area of Spain and second largest of Europe, was declared a Biosphere Reserve by UNESCO in 1983. Situated in southern Spain and covering an area of 214,300 ha, the Park occupies the Southeast region of Jaén Province (FIG. 1). It is formed by the Prebético mountain system and oriented SW-NE, with altitudes ranging from 460 to 2109 m. Pico de las Empanadas (2107 m) and Pico Cabañas (2036 m) occupy the highest points and Huesa (460 m), occupies the lowest elevation. The climate is mild Mediterranean, with an 800–2000 mm annual rainfall and temperatures ranging from 30–35°C (summer) to 10–15°C (winter). Its latitudinal and altitude variations combined with its orography greatly influence the Park climate and produce microclimates that make possible the existence of a diversified

Mediterranean flora and allow growth of species more typical of northern zones. The floristic richness of this territory can be seen in the high number of endemic species of vascular plants: 27 endemic for the area and more than 130 Iberic endemics.

Below 850 m, we find large areas of holm oak (*Quercus ilex* subsp. *ballota*) with *Phillyrea angustifolia*, *Pistacia lentiscus*, *Rhamnus alaternus*, *Rhamnus lycioides*, *Prunus spinosa*, and *Lonicera implexa*. To a great extent, this forest type has been repopulated with *Pinus halepensis* that continues the evergreen shrub association — *Rosmarinus officinalis*, *Cistus monspeliensis*, *C. clusii*, *C. salviifolius*, *Genista scorpius*, *Halimium atriplicifolium*, *Pistacia lentiscus*, and *Thymus mastichina*.

Between 850–1200 m, woods with (among others) *Quercus ilex* subsp. *ballota*, *Q. faginea*, *Arbutus unedo*, *Phillyrea latifolia*, *Viburnum tinus*, *Erica arborea*, *Sorbus domestica*, *Clematis vitalba*, and *Hedera helix* are present. Between 1200–1500 m, we find *Pinus nigra* forests with *Crataegus monogyna*, *Juniperus phoenicea*, *Berberis hispanica*, *Ilex aquifolium*, *Lonicera splendida*, and *Cytisus reverchonii* also present. From 1500–1800 m, on deep and fertile soils, *Acer granatense*, *Prunus mahaleb*, *Crataegus monogyna*, *Sorbus aria*, *Lonicera arborea*, and *L. etrusca*, occur in small but very interesting forests. Previously abundant, these stands now form mixed formations with *P. nigra*.

Above 1800 m, *P. nigra* groves with *Juniperus communis* subsp. *hemisphaerica*, *J. sabina*, *Prunus prostrata*, *Genista longipes*, and others are found.

Materials and methods

This study is based on original and bibliographical data. The original data result from the study of specimens collected in 14 localities from within the “Cazorla, Segura & las Villas” Natural Park, 12 during the III Mycological Foray (11–13 May 1990) “Flora Mycologica Iberica” project, with the remaining two localities visited earlier.

A total of 415 specimens were studied following classical methods for the aphylophorales fungi: thin, freehand sections from each specimen were mounted in KOH (5%) and/or Melzer’s reagent. These sections were studied under optical microscope.

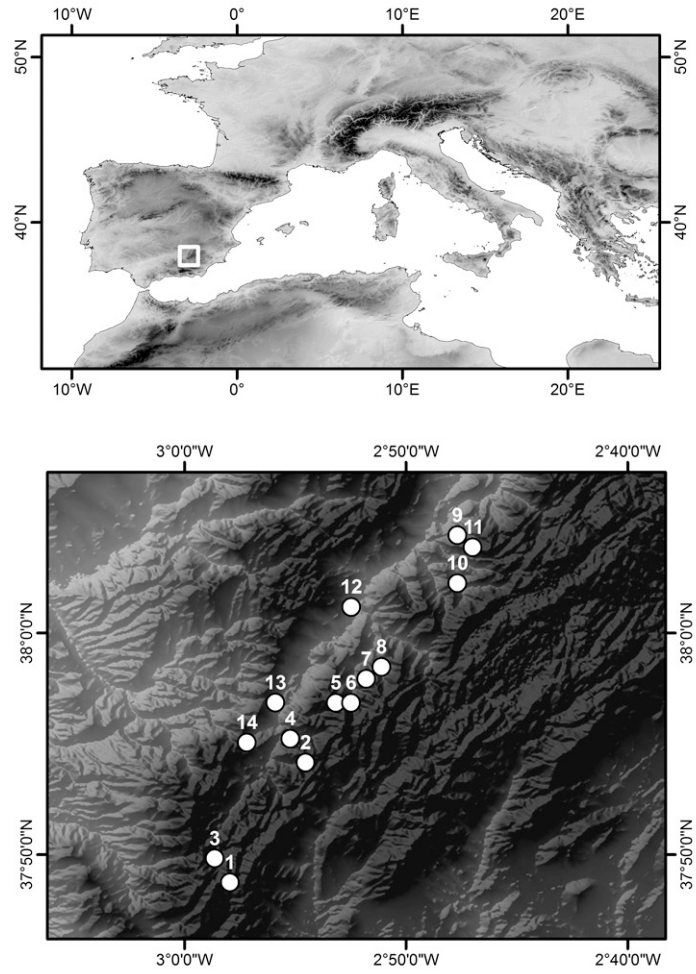


FIG. 1. a. Geographical location of the “Cazorla, Segura & Las Villas” Natural Park of. b. Localities sampled.

Results

The catalogue of the aphyllophorales from the “Cazorla, Segura & Las Villas” Natural Park includes 200 species, of which 97 are new for the Park.

Genera and species are listed alphabetically. For each specimen, we include location, substrate, and sample number; the initials IM are those of Ireneia Melo and Jose Cardoso (in LISU), MD of Margarita Dueñas and Tell. of M.Teresa Telleria (in MA-Fungi). Names marked with (*) are new for the Park and with (**) are new for Spain.

Abortiporus biennis (Bull.) Singer

PREVIOUS REPORTS— Anguita et al. (1992), Calonge et al. (1994), Calonge et al. (1998).

Acanthophysium apricans (Bourdot) G.Cunn.

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Rubus* sp.— 13 May 1990, 5641MD.

NOTES— Species with a Mediterranean distribution, very rare in the Iberian Peninsula. Besides this area, it was only recorded from Cáceres, Natural Park of Monfragüe (Telleria & Melo 1995).

PREVIOUS REPORTS— Ortega & Telleria (2000).

Aleurodiscus disciformis (DC.) Pat.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10559Tell., 4930IM; ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 4955IM. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 4900IM, 5552MD, 10506Tell.,

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus ilex* subsp. *ballota*.

Amaurodon viridis (Alb. & Schwein.) J.Schröt.

PREVIOUS REPORTS— Melo et al. (2004a), on unidentified wood.

Amphinema byssoides (Pers.) J.Erikss.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 4834IM, 4843IM; LINAREJOS (30SWG0797), 1120 m, on *Lavandula* sp.— 13 May 1990, 10468Tell., 10470Tell.; ROAD FROM CAZORLA TO THE PARADOR NACIONAL, BEYOND PUERTO DE LAS PALOMAS (30SWG6260), 1180 m, on *Genista* sp.— 29 Jan 1988, 4045MD; SAME LOCALITY, on *Rosmarinus officinalis*— 29 Jan 1988, 4018MD, 4049MD. **Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on unidentified wood— 11 May 1990, 10409Tell.; SAME LOCALITY, on *Acer* sp, 4801IM. **La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 5590MD, 5588MD, 10534Tell. **La Iruela**, NEXT TO LA

AGRACEA STREAM (30SWH1202), 1040 m, on *Pinus halepensis*— 13 May 1990, 4971IM; ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on unidentified wood— 13 May 1990, 5636MD. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Pinus halepensis*— 12 May 1990, 5506MD, 10475Tell.; SAME LOCALITY, on *Rosmarinus officinalis*— 12 May 1990, 5509MD; SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Pinus halepensis*— 12 May 1990, 5531MD; SAME LOCALITY, on *Pinus* sp.— 10521Tell., 10525Tell. PREVIOUS REPORTS— Telleria (1991), on *Rosmarinus officinalis*. NOTES— Samples 4045MD and 4049MD have white basidiomes and longer spores, 6 x 4-5 µm.

**Amylocorticium cebennense* (Bourdot) Pouzar

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 5476MD, 5477MD, 10424Tell. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Pinus* sp.— 12 May 1990, 10524Tell.

**Amylocorticiellum molle* (Fr.) Spirin & Zmitr.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 5467MD, 5471MD. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Pinus halepensis*— 12 May 1990, 4903IM.

**Amylocorticium subsulphureum* (P.Karst.) Pouzar

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Pinus halepensis*— 12 May 1990, 4878IM.

**Amyloenasma grisellum* (Bourdot) Hjortstam & Ryvarden

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on unidentified wood— 13 May 1990, 5605MD.

**Antrodia albida* (Fr.) Donk

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Quesada**, WAY UP PICO CABAÑAS, PUERTO LLANO (30SWG0385), 1800 m, on *Pinus nigra*— 11 May 1990, 5447MD.

***Antrodia albidoides* A.David & Dequatre

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Phillyrea angustifolia*— 12 May 1990, 4882IM.

NOTES— A species with a Mediterranean distribution, reported from France, Italy and Portugal, growing on *Phillyrea* spp., *Ceratonia siliqua*, *Quercus coccifera* and *Erica arborea* (Bernicchia 1990). Close to *A. albida*, differing by its larger spores, 10-14 x 4.5-5 µm in *A. albidoides* and 8-12 x 3.5-5 µm in *A. albida*.

Antrodia albobrunnea (Romell) Ryvarden

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Pinus nigra*.

**Antrodia heteromorpha* (Fr.) Donk

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Santiago-Pontones**, AGUASMULAS, ARROYO DEL HOMBRE (30SWH1814), 840 m, on *Pinus halepensis*— 11 May 1990, 5570MD.

**Antrodia ramentacea* (Berk. & Broome) Donk

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 4842IM. **Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 4804IM. **La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 4911IM. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Pinus halepensis*— 12 May 1990, 4887IM.

Antrodia sinuosa (Fr.) P.Karst.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 10405Tell. **La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 4921IM; NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Pinus halepensis*— 13 May 1990, 4970IM.

PREVIOUS REPORTS— Melo et al. (2007)

**Antrodiella pallescens* (Pilát) Niemelä & Miettinen

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m on *Quercus ilex* subsp. *ballota*— 13 May 1990, 4931IM. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5541MD, 5551MD, 5555MD.

Asterostroma cervicolor (Berk. & M.A.Curtis) Masee

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 11 May 1990, on *Pinus nigra*— 1450 m 10443Tell. **La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 10546Tell., 10547Tell., 10549Tell.; NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Pinus* sp.— 13 May 1990, 5603MD.

PREVIOUS REPORTS— Telleria (1991), on *Pinus nigra*.

**Asterostroma gaillardii* Pat.

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Cazorla**, LINAREJOS (30SWG0797), 1120 m, on *Rosmarinus officinalis*— 13 May 1990, 4858IM.

**Athelia bombacina* Pers.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 5453MD. **La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 5572MD.

Athelia cystidiolophora Parmasto

PREVIOUS REPORTS— Telleria (1991), on *Pinus nigra*.

Athelia decipiens (Höhn. & Litsch.) J.Erikss.

PREVIOUS REPORTS— Telleria (1991), on *Pinus nigra*.

**Athelia mutabilis* (Bres.) Donk

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 4807IM.

NOTES— Until now only known from the northern part of the Iberian Peninsula, but not frequent (Telleria & Melo, 1995).

Athelopsis glaucina (Bourdot & Galzin) Parmasto

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on unidentified wood— 12 May 1990, 10523Tell.

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Ilex aquifolium*.

Auriscalpium vulgare Gray

PREVIOUS REPORTS— Jiménez Antonio (1994), on strobilus.

**Basidioradulum crustosum* (Pers.) Zmitr. et al.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Rubus* sp.— 13 May 1990, 5643MD; 5645MD; ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Erica arborea*— 13 May 1990, 5637MD. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on unidentified wood— 12 May 1990, 10483Tell.; 10484Tell.

Basidioradulum tuberculatum (Berk. & M.A.Curtis) Hjortstam

PREVIOUS REPORTS— Telleria (1991), on *Quercus faginea*.

**Boidinia furfuracea* (Bres.) Stalpers & Hjortstam

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Pinus halepensis*— 13 May 1990, 10588Tell.

**Botryobasidium pruinaum* (Bres.) J.Erikss.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 5469MD, 5472MD. **La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 5592MD.

**Botryobasidium vagum* (Berk. & M.A.Curtis) D.P.Rogers

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 4917IM.

**Botryohypochnus isabellinus* (Fr.) J.Erikss.

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on unidentified wood— 13 May 1990, 10572Tell.

Byssomerulius corium (Pers.) Parmasto

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LINAREJOS (30SWG0797), 1120 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10462Tell.; ROAD FROM CAZORLA TO THE PARADOR NACIONAL, BEYOND PUERTO DE LAS PALOMAS (30SWG6260), 1180 m, on *Rosmarinus officinalis*— 29 Jan 1988, 4053MD. **La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990,

5646MD, 5647MD, 4976IM, 4966IM. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 10492Tell. SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5533MD, 5535MD.

PREVIOUS REPORTS— Telleria (1991), on *Quercus faginea*.

Byssomerulius hirtellus (Burt) Parmasto

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

Cabalodontia queletii (Bourdot & Galzin) Piątek

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

****Campylomyces heimii*** (Malençon) Nakasone

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10565Tell.; NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 4973IM; ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10605Tell.

NOTES— Malençon (1939) described this taxon from Morocco, on dry branches of *Quercus ilex*, still attached to the tree, sub *Veluticeps heimii*. A second record was published by Telleria & Dueñas (1986), from Cantabria (Spain), and now this rare species is found in Cazorla, once more on its typical habitat.

Ceraceomyces serpens (Tode) Ginns

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

Ceraceomyces sublaevis (Bres.) Jülich

PREVIOUS REPORTS— Ortega & Telleria (2000), on unidentified wood.

****Ceratobasidium cornigerum*** (Bourdot) D.P.Rogers

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Rubus* sp.— 12 May 1990, 5505MD. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Pinus* sp.— 12 May 1990, 10522Tell.

****Ceriporia purpurea*** (Fr.) Donk

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, BETWEEN EL VALLE AND BUJARAIZA (30SWH0600), 750 m, on *Pinus nigra*— 29 Jan 1988, 4057MD.

Ceriporiopsis resinascens (Romell) Domański

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Pinus pinaster* and *Quercus* sp.

Cerrena unicolor (Bull.) Murrill

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5558MD, 4907IM. PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

**Coniophora arida* (Fr.) P.Karst.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorra**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 10440Tell., 10445Tell., 4844IM. **La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 10551Tell., 4914IM; NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on unidentified wood— 13 May 1990, 4943IM. NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on unidentified wood— 13 May 1990, 5618MD. **Quesada**, ON THE WAY TO PICO CABAÑAS, PUERTO LLANO (30SWG0385), 1800 m, on *Pinus nigra*— 11 May 1990, 10418Tell., ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 4805IM, 5429MD; SAME LOCALITY, on unidentified wood— 10412Tell. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Rosmarinus officinalis*— 12 May 1990, 4860IM; SAME LOCALITY, on *Pinus halepensis*, 5520MD.

Coniophora olivacea (Fr.) P.Karst.

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on unidentified wood— 13 May 1990, 10574Tell.

PREVIOUS REPORTS— Telleria (1991), on *Pinus nigra*.

Corticium meridioroseum Boidin & Lanq.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10568Tell.; ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Arbutus unedo*— 13 May 1990, 10581Tell., 10582Tell. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5518MD; SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5535MD.

PREVIOUS REPORTS— Vizoso et al. (1991)

**Corticium polygonioides* (P.Karst.) Donk

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Quercus* sp.— 13 May 1990, 10555Tell.; ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Arbutus unedo*— 13 May 1990, 4951IM. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 10510Tell.

**Corticium roseum* Pers.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorra**, LINAREJOS (30SWG0797), 1120 m, on *Quercus coccifera*— 13 May 1990, 4852IM. **La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Quercus* sp.— 13 May 1990, 4965IM. BETWEEN EL VALLE AND BUJARAIZA (30SWH0600), 750 m, on *Pistacia lentiscus*— 29 Jan 1988, 4061MD; SAME LOCALITY, on *Arbutus unedo*— 13 May 1990, 4062MD. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Pistacia lentiscus*— 12 May 1990, 4869IM.

Cristinia helvetica (Pers.) Parmasto

PREVIOUS REPORTS— Ortega & Telleria (2000), on unidentified wood.

Crustoderma dryinum (Berk. & M.A.Curtis) Parmasto

PREVIOUS REPORTS— Telleria (1991), on *Pinus nigra*.

****Dacryobolus karstenii*** (Bres.) Oberw. ex Parmasto

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 4926IM, 5584MD, 5585MD, 5587MD, 5594MD, 10554Tell.; NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10557Tell.; ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Pinus* sp.— 13 May 1990, 10578Tell. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Pinus halepensis*— 12 May 1990, 4902IM, 4905IM.

NOTES— Frequent in the North half of the Iberian Peninsula.

****Dacryobolus sudans*** (Alb. & Schwein.) Fr.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 10323Tell., 10423Tel., 10437Tell. **Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 4821IM, 5445MD. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Pinus halepensis*— 12 May 1990, 10515Tell.

Daedalea quercina (L.) Pers.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, BETWEEN EL VALLE AND BUJARAIZA (30SWH0600), 750 m, on *Quercus ilex* subsp. *ballota*— 29 Jan 1988, 10605bTell.

PREVIOUS REPORTS— Calonge et al. (1998).

Dichomitus campestris (Quél.) Domański & Orlicz

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 4964IM, 4974IM. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 4897IM.

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

****Dichomitus squalens*** (P.Karst.) D.A.Reid

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Cazorla**, LINAREJOS (30SWG0797), 1120 m, on *Pinus nigra*— 13 May 1990, 5488MD.

****Fibricium rude*** (P.Karst.) Jülich

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Quesada**, ON THE WAY TO PICO CABAÑAS, PUERTO LLANO (30SWG0385), 1800 m, on *Pinus nigra*— 11 May 1990, 10419Tell. **La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 4909IM, 4912IM; NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Rosaceae*— 13 May 1990, 5614MD.

*****Fibricium subceraceum*** (Hallenb.) Bernicchia

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Santiago-Pontones**, WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS

RIVER (30SWH1810), 830 m, on *Pinus halepensis*— 12 May 1990, 10501bTell.

NOTES— A rare species described from Iran (Hallenberg 1978) and later found in the Mediterranean area, Italy, and Argentina (Hjortstam & Ryvarden 1986).

Fomes fomentarius (L.) J.J.Kickx

PREVIOUS REPORTS— Anguita et al. (1992), Jiménez Antonio et al. (1996), Calonge et al. (1998).

Fomitiporia robusta (P.Karst.) Fiasson & Niemelä

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

Fomitopsis pinicola (Sw.) P.Karst.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 10421Tell., 4820IM.

PREVIOUS REPORTS— Anguita et al. (1992), Jiménez Antonio et al. (1996), Calonge et al. (1994, 1998).

****Fuscoporia ferruginosa*** (Schrad.) Murrill

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Pinus halepensis*— 12 May 1990, 4880IM.

Ganoderma applanatum (Pers.) Pat.

PREVIOUS REPORTS— Jiménez Antonio et al. (1996).

Ganoderma australe (Fr.) Pat.

PREVIOUS REPORTS— Jiménez Antonio et al. (1996).

Ganoderma lucidum (Curtis) P. Karst.

PREVIOUS REPORTS— Jiménez Antonio et al. (1996), Moreno et al. (1997).

Ganoderma resinaceum Boud.

PREVIOUS REPORTS— Calonge et al. (1998).

Gloeocystidiellum leucoxanthum (Bres.) Boidin

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 4893IM.

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus ilex* subsp. *ballota*.

Gloeocystidiellum luridum (Bres.) Boidin

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorra**, LINAREJOS (30SWG0797), 1120 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10454Tell. **La Iruela**, NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Acer* sp.— 13 May 1990, 5611MD; SAME LOCALITY, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 4932IM; ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 5630MD, 10597Tell., 10598Tell., 10600Tell.; BETWEEN EL VALLE AND BUJARAIZA (30SWH0600), 750 m, on *Pistacia lentiscus*— 29 Jan 1988, 4065MD, 4066MD. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on unidentified wood— 12 May 1990, 10508Tell.; SAME LOCALITY, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5543MD, 5545MD, 5562MD.

PREVIOUS REPORTS— Ortega & Telleria (2000).

Gloeocystidiellum porosum (Berk. & M.A.Curtis) Donk

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Ilex aquifolium*.

*****Gloeodontia columbiensis*** Burt ex Burds. & Lombard

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, ROAD FROM CAZORLA TO THE PARADOR NACIONAL, BEYOND PUERTO DE LAS PALOMAS (30SWG6260), 1180 m, on *Pinus nigra*— 29 Jan 1988, 8190Tell. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Pinus halepensis*— 12 May 1990, 5510MD; SAME LOCALITY, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 10487Tell.

NOTES— A cosmopolitan species, reported from USA, Canada (Burdall & Lombard 1976, Ginns & Lefebvre 1993), Switzerland (Martini, 1991), Iran (Hallenberg, 1981), Turkey and the Canary Islands (Hallenberg, 1991).

Gloeophyllum sepiarium (Wulfen) P.Karst.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 10439Tell., 4850IM; ROAD FROM CAZORLA TO THE PARADOR NACIONAL, BEYOND PUERTO DE LAS PALOMAS (30SWG6260), 1180 m, on *Pinus nigra*— 29 Jan 1988, 4035MD. **La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 4913IM, 5578MD; NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Pinus* sp.— 13 May 1990, 10577Tell.

PREVIOUS REPORTS— Jiménez Antonio et al. (1996) and Calonge et al. (1998).

Gloeophyllum trabeum (Pers.) Murrill

PREVIOUS REPORTS— Ortega & Telleria (2000).

****Gloeoporus taxicola*** (Pers.) Gilb. & Ryvardeen

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Pinus* sp.— 13 May 1990, 10576bTell.

NOTES— It seems to be a rare species in the southern pine groves of Europe (Ryvardeen et Gilbertson 1993). In the Iberian Peninsula it has been reported from the northern region: Lugo, Pontevedra and Álava from Spain, Beira Baixa, and Estremadura from Portugal (Melo et al. 2007).

****Heterobasidion annosum*** (Fr.) Bref.

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 5582MD.

****Hexagonia nitida*** Durieu & Mont.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10554bTell.

Hydnum repandum L.

PREVIOUS REPORTS— Calonge et al. (1998).

Hydnum rufescens Pers.

PREVIOUS REPORTS— Moreno et al. (1997) and Calonge et al. (1998).

**Hydnopolyporus fimbriatus* (Fr.) D.A.Reid

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Rosmarinus officinalis*— 13 May 1990, 4969IM.

**Hymenochaete cinnamomea* (Pers.) Bres.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 4972IM; ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 4958IM.

**Hymenochaete fuliginosa* (Pers.) Lév.

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on unidentified wood— 13 May 1990, 10583Tell.

NOTES— Species apparently restricted to coniferous wood. In the Iberian Peninsula cited from Álava (Salcedo 1990), Huesca (Hjortstam et al. 1981), Navarra (García Bona 1987), Lérida and Andorra (Telleria & Salcedo 1991).

Hymenochaete rubiginosa (Dicks.) Lév.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 4961IM.

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

**Hyphoderma argillaceum* (Bres.) Donk

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 10453Tell., 4835IM. **La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 10535Tell., 5593MD, 4920IM; ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Pinus halepensis*— 13 May 1990, 10592Tell.

**Hyphoderma malenconii* (Manjón & G.Moreno) Manjón et al.

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 4815IM.

NOTES— Rare species, until now only reported from the South of Spain and Morocco (Malençon 1968, Manjón & Moreno 1983, Telleria 1987, Hjortstam et al. 1988).

**Hyphoderma multicystidium* var. *disporum* (M.Dueñas & Telleria) Telleria

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 10449Tell.

NOTES— The distribution of this taxon is restricted to Spain, from where it was reported only from León and Guadalajara, growing on *Juniperus* wood (Dueñas & Telleria 1988)

**Hyphoderma obtusifforme* J.Erikss. & Å.Strid

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 4818IM.

**Hyphoderma roseocreum* (Bres.) Donk

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 10543Tell.

Hyphoderma setigerum (Fr.) Donk

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

**Hyphodermella corrugata* (Fr.) J.Erikss. & Ryvarden

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Crataegus monogyna*— 11 May 1990, 10403Tell. **La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Arbutus unedo*— 13 May 1990, 10575Tell.; NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 4934IM, 4939IM, 10558Tell., 10561Tell., 10564Tell.; SAME LOCALITY, on unidentified wood— 13 May 1990, 5601MD; SAME LOCALITY, on *Rosaceae*— 13 May 1990, 5613MD; ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 5632MD; SAME LOCALITY, on *Arbutus unedo*— 13 May 1990, 10575Tell. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Pistacia lentiscus*— 12 May 1990, 4867IM; SAME LOCALITY, on *Phillyrea angustifolia*— 12 May 1990, 4867IM, 4873IM; SAME LOCALITY, on *Quercus coccifera*— 12 May 1990, 4866IM; SAME LOCALITY, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5516MD, 5554MD; AGUASMULAS, ARROYO DEL HOMBRE (30SWH1814), 840 m, on *Quercus ilex* subsp. *ballota*— 11 May 1990, 5569MD.

***Hyphodermella densa* Melo & Hjortstam

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, ROAD FROM CAZORLA TO THE PARADOR NACIONAL, BEYOND PUERTO DE LAS PALOMAS (30SWG6260), 1180 m, on *Rosmarinus officinalis*— 29 Jan 1988, 4026MD, 4029MD, 4034MD, 4042MD, 4050MD. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Rosmarinus officinalis*— 12 May 1990, 5499MD, 5504MD, 5507MD, 5513MD; SAME LOCALITY, on *Rubus* sp.— 12 May 1990, 5503MD.

NOTES— Although already known from Portugal (Melo & Hjortstam 2003), this is the first report of this taxon from Spain. Close to *H. corrugata*, it differs by its smaller spores and basidia, as well as by the context, with short celled hyphae that form a pseudoparenchymatic texture. It seems frequent on species of the Mediterranean scrub.

**Hyphodontia arguta* (Fr.) J.Erikss.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 4848IM, 4849IM. **La Iruela**, NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Acer* sp.— 13 May 1990, 5610MD. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Rosmarinus officinalis*— 12 May 1990, 5501MD.

PREVIOUS REPORTS— Telleria (1991) on *Rosmarinus officinalis*.

- **Hyphodontia cineracea* (Bourdot & Galzin) J.Erikss. & Hjortstam
REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 1044ITell.
NOTES— In the Iberian territory it has been recorded only from Asturias (Telleria 1990).
- **Hyphodontia gossypina* (Parmasto) Hjortstam
REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on unidentified wood— 13 May 1990, 4944IM.
- **Hyphodontia juniperi* (Bourdot & Galzin) J.Erikss. & Hjortstam
REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LINAREJOS (30SWG0797), 1120 m, on *Thymus* sp.— 13 May 1990, 5491MD, 5493MD. ROAD FROM CAZORLA TO THE PARADOR NACIONAL, BEYOND PUERTO DE LAS PALOMAS (30SWG6260), 1180 m, on *Rosmarinus officinalis*— 29 Jan 1988, 4017MD, 4019MD, 4022MD, 4023MD, 4024MD, 4028MD, 4031MD, 4033MD, 8184Tell., 8192Tell., 8201Tell... **La Iruela**, ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Arbutus unedo*— 13 May 1990, 10595Tell. **Santiago-Pontones**, ON THE WAY TO CORTUJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Rosmarinus officinalis*— 12 May 1990, 10496Tell., 4859IM., 5497MD.
PREVIOUS REPORTS— Telleria (1991), on *Pinus nigra* and *Rosmarinus officinalis*.
- **Hyphodontia quercina* (Pers.) J.Erikss.
REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, ON THE WAY FRESNEDILLA TO FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Arbutus unedo*— 13 May 1990, 4953IM, 4960IM. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5556MD.
- **Hyphodontia subalutacea* (P.Karst.) J.Erikss.
REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 5451MD, 5466bMD, 10435Tell., 4826IM., 4845IM. **Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 5428MD, 4799IM. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Pinus halepensis*— 12 May 1990, 4886IM, 10527Tell.
- Inonotus hispidus* (Bull.) P. Karst.
PREVIOUS REPORTS— Moreno et al. (1997).
- Litschauerella clematidis* (Bourdot & Galzin) J.Erikss. & Ryvarde
REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 4924IM, 10531Tell.; SAME LOCALITY, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10532Tell.
PREVIOUS REPORTS— Telleria (1991), on *Pinus nigra*.

Lyomyces sambuci (Pers.) P.Karst.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on unidentified wood— 13 May 1990, 10571Tell. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Rosmarinus officinalis*— 12 May 1990, 10478Tell.

PREVIOUS REPORTS— Telleria (1991), on *Rosmarinus officinalis*.

Mycoacia aurea (Fr.) J.Erikss. & Ryvarden

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

*****Oliveonia pauxilla*** (H.S.Jacks.) Donk

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Rubus* sp.— 13 May 1990, 5634MD. **La Iruela**, ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Pinus halepensis*— 13 May 1990, 5633MD.

NOTES— According to Roberts (1999) this is a cosmopolitan species, known from northern Europe, Canada and Puerto Rico.

Peniophora cinerea (Pers.) Cooke

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Rubus* sp.— 13 May 1990, 5639MD; ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Phillyrea angustifolia*— 13 May 1990, 5635MD. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Quercus coccifera*— 12 May 1990, 4865IM.

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

Peniophora incarnata (Pers.) P.Karst.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Crataegus monogyna*— 11 May 1990, 10422Tell.; LINAREJOS (30SWG0797), 1120 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10464Tell. **La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Ulmus* sp.— 13 May 1990, 5615MD, 5616MD. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5549MD.

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Buxus sempervirens*.

Peniophora lilacea Bourdot & Galzin

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Daphne gnidium*.

****Peniophora limitata*** (Chaillet ex Fr.) Cooke

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Acer* sp.— 13 May 1990, 5609MD, ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Phillyrea angustifolia*— 13 May 1990, 4949IM. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Phillyrea* sp.— 12 May 1990, 4872IM.

Peniophora lycii (Pers.) Höhn. & Litsch.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15

(30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 5434MD; SAME LOCALITY, on unidentified wood— 11 May 1990, 10406Tell. **Cazorla**, LINAREJOS (30SWG0797), 1120 m, on *Daphne* sp.— 13 May 1990, 5495MD; SAME LOCALITY, on *Lavandula* sp. — 13 May 1990, 10469Tell. **La Iruela**, ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Erica arborea*— 13 May 1990, 5623MD. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Pinus halepensis*— 12 May 1990, 5502MD; SAME LOCALITY, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 10488Tell.; SAME LOCALITY, on *Quercus coccifera*— 12 May 1990, 4864IM. PREVIOUS REPORTS— Telleria (1991), on *Pistacia lentiscus*.

Peniophora meridionalis Boidin

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Arbutus unedo*— 12 May 1990, 10502bTell. PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus* sp.

****Peniophora nuda*** (Fr.) Bres.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 5435MD. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Quercus coccifera*— 12 May 1990, 4862IM.

****Peniophora proxima*** Bres.

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Buxus sempervirens*— 13 May 1990, 10603Tell.

NOTES— Until now, this species, in the Iberian Peninsula, has been reported from Vizcaya and Huesca (Hjortstam et al. 1981; Telleria & Salcedo 1992).

****Peniophora pseudoversicolor*** Boidin

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Cazorla**, LINAREJOS (30SWG0797), 1120 m, on *Quercus coccifera*— 13 May 1990, 4853IM.

****Peniophora quercina*** (Pers.) Cooke

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10556Tell.; NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 5648MD. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 10517Tell., 5540MD., 5561MD.

****Peniophora rufomarginata*** (Pers.) Bourdot & Galzin

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 4933IM, 4936IM. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 4889IM, 4892IM.

Peniophora violaceolivida (Sommerf.) Masee

PREVIOUS REPORTS— Vizoso et al. (1990), on *Quercus faginea*.

****Peniophorella pallida*** (Bres.) K.H.Larss.

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Cazorla**, LINAREJOS (30SWG0797), 1120 m, on *Pinus nigra*— 13 May 1990, 4856IM.

****Peniophorella praetermissa*** (P.Karst.) K.H.Larss.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Rubus* sp.— 13 May 1990, 10594Tell. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Pinus halepensis*— 12 May 1990, 5531MD; SAME LOCALITY, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 4899IM.

Peniophorella pubera (Fr.) P.Karst.

PREVIOUS REPORTS— ORTEGA & TELLERIA (2000), on *Quercus faginea*.

****Perenniporia rosmarini*** A.David & Malençon

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LINAREJOS (30SWG0797), 1120 m, on *Lavandula* sp.— 13 May 1990, 10467Tell. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Rosmarinus officinalis*— 12 May 1990, 5512MD.

Phaeolus schweinitzii (Fr.) Pat.

PREVIOUS REPORTS— Calonge et al. (1994).

Phanerochaete avellanea (Bres.) J.Erikss. & Hjortstam

PREVIOUS REPORTS— ORTEGA & TELLERIA (2000), on *Arbutus unedo*.

****Phanerochaete galactites*** (Bourdot & Galzin) J.Erikss. & Ryvarde

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 4929IM.

****Phanerochaete jose-ferreirae*** (D.A.Reid) D.A.Reid

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 4975IM.

NOTES— Besides this citation it was only recorded from two provinces in Spain, Cáceres (Blanco et al. 1989) and Jaén (Vizoso et al. 1991), and from Estremadura in Portugal (Reid 1965, Melo 1988, Melo & Telleria 1997).

****Phanerochaete martelliana*** (Bres.) J.Erikss. & Ryvarde

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10567Tell.

****Phanerochaete sanguinea*** (Fr.) Pouzar

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, BETWEEN EL VALLE AND BUJARAIZA (30SWH0600), 750 m, on *Quercus faginea*— 29 Jan 1988, 4074MD.

Phanerochaete sordida (P.Karst.) J.Erikss. & Ryvarde

PREVIOUS REPORTS— Telleria (1991), on *Pistacia lentiscus* and Vizoso & al. (1991), on *Quercus faginea*.

Phanerochaete tuberculata (P.Karst.) Parmasto

PREVIOUS REPORTS— Vizoso & al. (1991), on *Quercus faginea*.

**Phanerochaete velutina* (DC.) P.Karst.

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5564MD.

Phellinus torulosus (Pers.) Bourdot & Galzin

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Arbutus unedo*— 13 May 1990, 4956IM. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Arbutus unedo*— 12 May 1990, 10528Tell.; SAME LOCALITY, on *Arbutus unedo*— 12 May 1990, 4908IM.

PREVIOUS REPORTS— Moreno et al. (1997).

**Phellinus tuberculosus* (Baumg.) Niemelä

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Prunus domestica*— 11 May 1990, 4822IM.

Phellodon niger (Fr.) P.Karst.

PREVIOUS REPORTS— Moreno et al. (1997).

**Phlebia lilascens* (Bourdot) J.Erikss. & Hjortstam

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Quesada**, WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Crataegus monogyna*— 11 May 1990, 4800IM.

Phlebia livida (Pers.) Bres.

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

Phlebia ryvardeenii Hallenb. & Hjortstam

PREVIOUS REPORTS— Telleria (1991), on *Pinus nigra*.

**Phlebia subserialis* (Bourdot & Galzin) Donk

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 5454MD, 5457MD, 10432Tell. **La Iruela**, NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on unidentified wood— 13 May 1990, 5602MD; ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Arbutus unedo*— 13 May 1990, 4959IM.

Phlebiopsis gigantea (Fr.) Jülich

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Ilex aquifolium*.

Phlebiopsis ravenelii (Cooke) Hjortstam

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Pinus* sp.— 13 May 1990, 4947IM; NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Arbutus unedo*— 13 May 1990, 10575bTell.

PREVIOUS REPORTS— Telleria (1991), on *Pistacia lentiscus*

Piloderma byssinum (P.Karst.) Jülich

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10540bTell.

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Pinus* sp.

Polyporus alveolaris (DC.) Bondartsev & Singer

PREVIOUS REPORTS— Jiménez Antonio & Reyes García (1998) as *Polyporus mori* on *Populus nigra*.

****Polyporus arcularius*** (Batsch) Fr.

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on unidentified wood— 12 May 1990, 10504Tell., 4885IM.

Polyporus squamosus (Huds.) Fr.

PREVIOUS REPORTS— Jiménez Antonio et al. (1996).

Polyporus tuberaster (Jacq.) Fr.

PREVIOUS REPORTS— Calonge et al. (1998).

Polyporus varius (Pers.) Fr.

PREVIOUS REPORTS— Calonge et al. (1998).

****Porodaedalea pini*** (Brot.) Murrill

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LINAREJOS (30SWG0797), 1120 m, on *Pinus nigra*— 13 May 1990, 4851IM. **Santiago-Pontones**, NEAR TORRE DEL VINAGRE, BETWEEN KM'S 9 AND 10 (30SWH1108), on unidentified wood— 13 May 1990, 10555bTell.

****Postia hibernica*** (Berk. & Broome) Jülich

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 5455MD.

****Postia leucomallella*** (Murrill) Jülich

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 4821IM. **La Truela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 10530Tell.

****Postia sericeomollis*** (Romell) Jülich

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 5458MD.

****Postia simanii*** (Pilát) Jülich

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Quesada**, WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 4802IM.

NOTES— Melo et al. (2007) reported this taxon from Huesca and Navarra (Spain). Very close to *P. hibernica*, differing by its smaller spores, 4-5 x 0.8-1.2 µm in *P. simanii* and 5-6 x 1.5 µm in *P. hibernica* (Ryvarden & Gilbertson 1994).

*****Postia undosa*** (Peck) Jülich

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 5463MD.

NOTES— This taxon is characterized by its thick-walled hyphae, gelatinizing in KOH, absence of sterile hymenial elements and large and irregular pores. Widely distributed, but rare in the circumpolar coniferous forests of the north temperate zone (Ryvarden & Gilbertson, 1994)

Pseudotomentella nigra (Höhn. & Litsch.) Svrček

PREVIOUS REPORTS— Melo et al. (2002), on *Genista* sp. and *Quercus ilex* subsp. *ballota*.

Radulomyces molaris (Chaillat ex Fr.) M.P.Christ.

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus ilex* subsp. *ballota*.

Ramaria aurea (Schaeff.) Quél.

PREVIOUS REPORTS— Anguita et al. (1992) and Calonge et al. (1994, 1998).

Ramaria fennica* var. *griseolilacina Schild

PREVIOUS REPORTS— Calonge et al. (1998).

Ramaria flava (Schaeff.) Quél.

PREVIOUS REPORTS— Calonge et al. (1994, 1998).

Ramaria formosa (Pers.) Quél.

PREVIOUS REPORTS— Calonge et al. (1998).

Ramaria stricta (Pers.) Quél.

PREVIOUS REPORTS— Calonge et al. (1994, 1998).

Sarcodon imbricatus (L.) P.Karst.

PREVIOUS REPORTS— Calonge et al. (1998).

Sarcodon leucopus (Pers.) Maas Geest. & Nannf.

PREVIOUS REPORTS— Calonge et al. (1998).

Schizophyllum commune Fr.

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, BETWEEN EL VALLE AND BUJARAIZA (30SWH0600), 750 m, on *Quercus faginea*— 29 Jan 1988, 4077MD.

PREVIOUS REPORTS— Calonge et al. (1998).

Schizopora paradoxa (Schrad.) Donk

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

Scytinostroma alutum Lanq.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LINAREJOS (30SWG0797), 1120 m, on *Lavandula* sp.— 13 May 1990, 5489MD; SAME LOCALITY, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10465Tell.; SAME LOCALITY, on *Thymus* sp. — 13 May 1990, 5492MD; SAME LOCALITY, on unidentified wood— 13 May 1990, 10461Tell.; ROAD FROM CAZORLA TO THE PARADOR NACIONAL, BEYOND PUERTO DE LAS PALOMAS (30SWG6260), 1180 m, on *Rosmarinus officinalis*— 29 Jan 1988, 4041MD. **La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 5649MD; ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Buxus sempervirens*— 13 May 1990, 10604Tell. **Santiago-Pontones**, ON THE WAY TO CORTUJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on unidentified wood— 12 May 1990, 5514MD.

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Crataegus monogyna*.

****Sistotrema brinkmannii*** (Bres.) J.Erikss.

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Rubus* sp.— 13 May 1990, 5644MD.

- Sistotrema citriforme*** (M.P.Christ.) K.H.Larss. & Hjortstam
PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*, as *Phlebia cremeoalutacea*.
- ****Sistotrema diademiferum*** (Bourdot & Galzin) Donk
REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Pinus* sp.— 12 May 1990, 10526Tell.
- ****Sistotrema muscicola*** (Pers.) S.Lundell
REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Phyllirea angustifolia*— 13 May 1990, 5626MD.
- ****Sistotrema octosporum*** (J.Schröt. ex Höhn. & Litsch.) Hallenb.
REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 10545Tell. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on leaves of *Quercus ilex* subsp. *ballota*— 12 May 1990, 10474Tell.; SAME LOCALITY, on *Rubus* sp.— 12 May 1990, 10473Tell.
- *****Skeletocutis albocremaea*** A.David
REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 4828IM, 5478MD. **La Iruela**, ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on unidentified wood— 13 May 1990, 5629MD.
NOTES— Close to *S. biguttulata* (Romell) Niemelä but the later has skeletal hyphae dominating in the trama and spores 4.5-6.2 x 1.2-1.6 µm whereas in *S. albocremaea* generative hyphae dominate in all basidiome and spores are somewhat smaller, 4-5 x 1.3-1.7 µm (Niemelä 1998).
- ****Skeletocutis amorpha*** (Fr.) Kotl. & Pouzar
REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 5450MD, 5452MD.
- Skeletocutis biguttulata*** (Romell) Niemelä
PREVIOUS REPORTS— Ortega & Telleria (2000), on *Pinus* sp., as *S. subincarnata* (Peck) Keller.
- Skeletocutis nivea*** (Jungh.) Jean Keller
REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 4977IM. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 4894IM; ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5519MD.
PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus ilex* subsp. *ballota*.

Steccherinum ciliolatum (Berk. & M.A.Curtis) Gilb. & Budington

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, BETWEEN EL VALLE AND BUJARAIZA (30SWH0600), 750 m, on *Rosmarinus officinalis*— 29 Jan 1988, 4055MD.

PREVIOUS REPORTS— Telleria (1991), on unidentified wood.

****Steccherinum ochraceum*** (Pers.) Gray

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 4937IM.

****Stereum gausapatum*** (Fr.) Fr.

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, BETWEEN EL VALLE AND BUJARAIZA (30SWH0600), 750 m, on *Quercus faginea*— 29 Jan 1988, 4079MD.

Stereum hirsutum (Willd.) Pers.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LINAREJOS (30SWG0797), 1120 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10458Tell. **La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on unidentified wood— 13 May 1990, 10552Tell.; NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Acer* sp.— 13 May 1990, 5607MD. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Phillyrea angustifolia*— 12 May 1990, 5522MD; SAME LOCALITY, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5517MD; SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5542MD, 5546MD, 5564MD.

PREVIOUS REPORTS— Moreno et al. (1997), Calonge et al. (1998), and Ortega & Telleria (2000), on *Quercus ilex* subsp. *ballota*.

Stereum reflexulum D.A. Reid

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

Stereum rugosum Pers.

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Crataegus monogyna*.

****Stereum sanguinolentum*** (Alb. & Schwein.) Fr.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 5564MD, 5468MD. **Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 10408Tell. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Pinus halepensis*— 12 May 1990, 4879IM.

Subulicystidium longisporum (Pat.) Parmasto.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 5444MD. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5523MD; SAME LOCALITY, on *Rosaceae*— 12 May 1990, 5525bMD, 5526MD.

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

Terana caerulea (Lam.) Kuntze

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Phillyrea angustifolia*— 13 May 1990, 4948IM; BETWEEN EL VALLE AND BUJARAIZA (30SWH0600), 750 m, on *Quercus faginea*— 29 Jan 1988, 4075MD, 8236Tell. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Phillyrea angustifolia*— 12 May 1990, 10500Tell., 10502Tell.; SAME LOCALITY, on *Pistacia lentiscus*— 12 May 1990, 4870IM; SAME LOCALITY, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5515MD, 10490Tell.; SAME LOCALITY, on *Rosmarinus officinalis*— 12 May 1990, 10480Tell.

PREVIOUS REPORTS—Telleria (1991), on *Quercus faginea*; and Moreno et al. (1997).

Tomentella badia (Link) Stalpers

PREVIOUS REPORTS— Melo et al. (2000), on *Pinus nigra*.

****Tomentella lapida*** (Pers.) Stalpers

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 5586MD; SAME LOCALITY, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10533Tell.

Tomentella lateritia Pat.

PREVIOUS REPORTS— Melo et al. (2004b), on *Pinus nigra*.

Tomentella neobourdotii M.J. Larsen.

PREVIOUS REPORTS— Melo et al. (2000), on *Pinus halepensis*, *Arbutus unedo* and *Quercus ilex* subsp. *ballota*.

****Tomentella subclavigera*** Litsch.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, ROAD FROM CAZORLA TO THE PARADOR NACIONAL, BEYOND PUERTO DE LAS PALOMAS (30SWG6260), 1180 m, on *Rosmarinus officinalis*— 29 Jan 1988, 4030MD.

****Trametes hirsuta*** (Wulfen) Pilát

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, BETWEEN EL VALLE AND BUJARAIZA (30SWH0600), 750 m, on *Quercus faginea*— 29 Jan 1988, 4076MD.

Trametes versicolor (L.) Lloyd

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Arbutus unedo*— 13 May 1990, 10580Tell.; BETWEEN EL VALLE AND BUJARAIZA (30SWH0600), 750 m, on *Quercus faginea*— 29 Jan 1988, 4071MD, 4072MD. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Pinus halepensis*— 12 May 1990, 5560MD.

PREVIOUS REPORTS— Jiménez Antonio et al. (1996), Moreno et al. (1997), and Calonge et al. (1998).

Trechispora alnicola (Bourdot & Galzin) Liberta

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

**Trechispora cohaerens* (Schwein.) Jülich & Stalpers

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 4837IM.

**Trechispora farinacea* (Pers.) Liberta

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 5473MD, 4836IM, 4839IM. **La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 5589MD.

**Trechispora invisitata* (H.S.Jacks.) Liberta

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 4831IM.

Trechispora microspora (P.Karst.) Liberta

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 4841IM.
PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

Trichaptum fusco-violaceum (Ehrenb.) Ryvardeen

PREVIOUS REPORTS— Moreno et al. (1997).

**Tubulicrinis calothrix* (Pat.) Donk

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Pinus halepensis*— 12 May 1990, 4876IM.

**Tubulicrinis glebulosus* (Fr.) Donk

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 10428Tell., 4829IM; LINAREJOS (30SWG0797), 1120 m, on *Pinus nigra*— 13 May 1990, 5480MD. **Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 5443MD, 10404Tell., 4812IM, 4813IM, 4816IM, 4817IM. **La Iruela**, ROBLEHONDO (30SWH1000) 1320 m, on *Pinus nigra*— 13 May 1990, 10548Tell.; NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Pinus* sp.— 13 May 1990, 4945IM. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 5547MD.

Tubulicrinis sororius (Bourdot & Galzin) Oberw.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 5456MD, 4830IM; LINAREJOS (30SWG0797), 1120 m, on *Pinus nigra*— 13 May 1990, 5484MD; ROAD FROM CAZORLA TO THE PARADOR NACIONAL, BEYOND PUERTO DE LAS PALOMAS (30SWG6260), 1180 m, on *Rosmarinus officinalis*— 29 Jan 1988, 4047MD. **Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Pinus nigra*— 11 May 1990, 4803IM. **La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 5573MD, 5574MD, 10538Tell., 10542Tell.; NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Pinus nigra*— 13 May 1990, 10562Tell.; SAME LOCALITY, on unidentified wood— 13 May 1990, 10563Tell.; NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Rosmarinus officinalis*— 13 May 1990, 4967IM.

PREVIOUS REPORTS— Telleria (1991), on *Pinus nigra*.

****Tubulicrinis subulatus*** (Bourdot & Galzin) Donk

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 5583MD. **Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Pinus halepensis*— 12 May 1990, 4906IM.

****Vesiculomyces citrinus*** (Pers.) E.Hagstr.

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: Cazorla**, LA NAVA DEL ESPINO (30SWG0895), 1450 m, on *Pinus nigra*— 11 May 1990, 10434Tell., 4832IM, 4840IM. **La Iruela**, ROBLEHONDO (30SWH1000), 1320 m, on *Pinus nigra*— 13 May 1990, 4915IM.

Vuilleminia comedens (Nees) Maire

PREVIOUS REPORTS— Telleria (1991) and Vizoso et al. (1991), on *Quercus faginea*.

****Vuilleminia coryli*** Boidin, Lanq. & Gilles

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Quesada**, ON THE WAY TO PICO CABAÑAS, NEXT TO CAÑADA DE LAS FUENTES, KM 15 (30SWG0287), 1440 m, on *Crataegus monogyna*— 11 May 1990, 10407Tell.

Vuilleminia cystidiata Parmasto

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO LA AGRACEA STREAM (30SWH1202), 1040 m, on *Crataegus monogyna*— 13 May 1990, 4963IM; ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Arbutus unedo*— 13 May 1990, 4850IM.

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Crataegus monogyna*.

Vuilleminia macrospora (Bres.) Hjortstam

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: LINAREJOS** (30SWG0797), 1120 m, on *Pinus nigra*— 13 May 1990, 5484MD; ROAD FROM CAZORLA TO THE PARADOR NACIONAL, BEYOND PUERTO DE LAS PALOMAS (30SWG6260), 1180 m, on *Quercus ilex* subsp. *ballota*— 29 Jan 1988, 5482MD, 10463Tell. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 4871IM.

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Quercus faginea*.

****Vuilleminia megalospora*** Bres.

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: Santiago-Pontones**, SIERRA DE MIRABUENO, FUENTE DEL ROBLE (30SWH1913), 810 m, on *Quercus ilex* subsp. *ballota*— 12 May 1990, 4895IM, 4896IM.

Xenama pulverulentum (Litsch.) Donk

PREVIOUS REPORTS— Telleria (1991), on *Pinus nigra*.

Xenasmatella vaga (Fr.) Stalpers

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, NEXT TO GUADAHORNILLO STREAM (30SWH1100), 1180 m, on *Arbutus unedo*— 13 May 1990, 4952IM. **Santiago-Pontones**, ON THE WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on *Pinus halepensis*— 12 May 1990, 5521MD.

PREVIOUS REPORTS— Ortega & Telleria (2000), on *Pinus* sp.

**Xylodon bugellensis* (Ces.) Hjortstam & Ryvarden

REPRESENTATIVE SPECIMENS EXAMINED— **SPAIN. JAÉN: La Iruela**, ON THE WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Rosmarinus officinalis*— 13 May 1990, 4962IM. **Santiago-Pontones**, WAY TO CORTIJO DE LA FRESNEDILLA, NEXT TO AGUASMULAS RIVER (30SWH1810), 830 m, on unidentified wood— 12 May 1990, 10493Tell. **Cazorla**, ROAD FROM CAZORLA TO THE PARADOR NACIONAL, BEYOND PUERTO DE LAS PALOMAS (30SWG6260), 1180 m, on *Rosmarinus officinalis*— 29 Jan 1988, 4032MD.

**Xylodon pruni* (Lasch) Hjortstam & Ryvarden

REPRESENTATIVE SPECIMEN EXAMINED— **SPAIN. JAÉN: La Iruela**, WAY FRESNEDILLA TO THE FRESHWATER FISH CENTER (30SWH1303), 960 m, on *Quercus ilex* subsp. *ballota*— 13 May 1990, 10602bTell.

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