

## Contribution to a Macromycete Survey of the States of Rio Grande do Sul and Santa Catarina in Brazil

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### ABSTRACT

*Collections of macromycetes made in seven municipalities in southern Brazil, viz. six in Rio Grande do Sul and one in Santa Catarina, are listed. They belonged to the Myxomycota (6 spp.), Ascomycota (54 spp.) and Basidiomycota (189 spp.). First records for Brazil could be *Battarrea phalloides*, *Amanita rubescens*, *Boletus edulis* and *Mycena filipes*, the last three found under exotic *Pinus*.*

**Key words:** Macromycetes, Rio Grande do Sul, Santa Catarina, Brazil

### INTRODUCTION

The author has made mycological collections in southern Brazil since 1990. Collecting was done as a pastime, at random, without a definite plan. Collecting localities are given in Table 1. The

majority of collections come from the author's rural property, in Nova Petrópolis, at 565 m a.s.l. Most localities are in north-eastern Rio Grande do Sul, but Rolante is in eastern Rio Grande do Sul, and Piçarras is in the state of Santa Catarina.

**Table 1** - Collection localities.

| State             | Municipality           | Co-ordinates     | Altitude (in m above sea level) | Phytogeographical region (Velooso <i>et al.</i> 1991) |
|-------------------|------------------------|------------------|---------------------------------|---|
| Rio Grande do Sul | Canela                 | 29°22'S, 50°48'W | 830                             | Mixed Ombrophilous Forest                             |
|                   | Gramado                | 29°23'S, 50°53'W | 825                             |   |
|                   | Nova Pádua             | 29°02'S, 51°18'W | 638                             |   |
|                   | Nova Petrópolis        | 29°22'S, 51°08'W | 550-565                         |   |
|                   | São Francisco de Paula | 29°27'S, 50°35'W | 907                             |   |
|                   | Rolante                | 29°40'S, 50°35'W | 38                              | Seasonal Semi-deciduous Forest                        |
| Santa Catarina    | Piçarras               | 26°46'S, 48°40'W | sea level                       | Dense Ombrophilous Forest                             |

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## MATERIALS AND METHODS

Collections were photographed and macroscopically described (in German, with colour notations following Küppers' 1978 codes) from materials still fresh and alive. Exsiccates of most collections were sent to the mycologist André A. R. de Meijer, who studied and determined only those that he considered of sufficient size and sufficiently well annotated (Table 2). Other specialists identified a few collections as indicated. Table 2 also includes a few collections received by the author from other persons, also determined by de Meijer. Exsiccates, descriptions and photo negatives of the collections listed are preserved in MBM (Museu Botânico Municipal, Curitiba, State of Paraná, Brazil). For photography a camera

Yashica Fx-3 super 2000 was used, with lens Sigma 28.1-90 for macrophotography without usage of flash.

Questions about the identifications should be directed to André de Meijer (Sociedade de Pesquisa em Vida Selvagem e Educação Ambiental), Caixa Postal 305, 80.001-970 Curitiba, Brazil.

## RESULTS AND DISCUSSION

Table 2 shows the names of species identified with relative certainty. Species only identified to genus level are not included, unless they represent taxa little known or possibly new for southern Brazil (compare Putzke 1994 for Agaricales).

**Table 2** - List of species.

| Collection number    | Name  | Year + month of collecting | Locality (municipality etc.)<br>Abbreviation:<br>GSY = rural property of<br>Georg Sobestiansky | Vegetation or habitat type | Substrate and organism<br>Abbreviation:<br>dicot. = dicotyledonous | Leg. / Det. |
|----------------------|---|----------------------------|--|----------------------------|--|-------------|
| A) Myxomycota        |   |                            |  |                            |  |             |
| 518                  | <i>Arcyria cinerea</i> (Bull.) Pers.                        | 1997.02                    | Nova Petrópolis  |                            | dead wood of <i>Baccharis</i> sp.                                  |             |
| 207                  | <i>Enteridium</i> sp.                                       | 1990.12                    | Nova Petrópolis, Schützenhaus  |                            | dead dicot. wood   |             |
| 33                   | <i>Fuligo septica</i> (L.) F.H.Wigg.                        | 1990.10                    | Nova Petrópolis, GSY   | burnt place                | humose soil  |             |
| 300'                 | <i>Fuligo septica</i> var. <i>rosea</i> Nann.-Bremek.       | 1991.08                    | Nova Petrópolis, GSY   |                            | board made of native wood  |             |
| 445                  | <i>Hemitrichia calyculata</i> (Speg.) M.L.Farr              | 1992.12                    | Nova Petrópolis, GSY   |                            | dead dicot. wood (without bark)                                    |             |
| 329                  | <i>Lycogala epidendrum</i> (L.) Fr.                         | 1991.11                    | Nova Petrópolis, Parque Aldeia do Imigrante  |                            | dead dicot. wood   |             |
| 587B                 | <i>Tubifera microsperma</i> (Berk. & M.A.Curtis) G.W.Martin | 1996.11                    | Piçarras   |                            | dead dicot. wood   |             |
| B) Fungi             |   |                            |  |                            |  |             |
| B1) Anamorphic fungi |   |                            |  |                            |  |             |
| 406                  | <i>Sepedonium chrysospermum</i> (Bull.) Fr.                 | 1992.05                    | Nova Petrópolis  | <i>Pinus</i> plantation    | fruit body of <i>Suillus</i> sp.                                   |             |

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| B2) Ascomycota |  |         |   |                      |   |              |
|----------------|--|---------|---|----------------------|---|--------------|
| 475            | <i>Barya agaricola</i> (Berk.) Höhn.                         | 1997.03 | Nova Petrópolis, GSY                        | swampy native forest | dead dicot. wood (with bark)                                | Det. Aptroot |
| 367            | <i>Botryosphaeria dothidea</i> (Moug. : Fr.) Ces. & De Not.  | 1996.10 | Nova Petrópolis, GSY                        | native forest        | dead dicot. branch (with bark)                              | Det. Aptroot |
| 442            | <i>Calonectria</i> sp.                                       | 1992.12 | Nova Petrópolis, GSY                        |                      | dead dicot. wood (without bark)                             |              |
| 564            | <i>Cerion coccineum</i> Masee & Rodway                       | 1993.09 | Nova Petrópolis, GSY                        |                      | dead wood (with bark) of <i>Pinus radiata</i> D.Don         |              |
| 9A             | <i>Cookeina colensoi</i> (Berk.) Seaver                      | 1991    | Nova Petrópolis                             | mixed forest         | dead wood   |              |
| 244            | <i>Cookeina tricholoma</i> (Berk.) Seaver                    | 1996.03 | Piçarras                                    | swampy native forest | dead leave of <i>Syagrus romanzoffiana</i> (Cham.) Glassman |              |
| 429            | <i>Cordyceps dipterigena</i> Berk. & Broome                  | 1992.10 | Nova Petrópolis, Parque Aldeia do Imigrante |                      | dead fly  |              |
| 438            | <i>Dactylospora stygia</i> (Berk. & M.A.Curtis) Hafellner    | 1992-11 | Nova Petrópolis, Vale Verde                 | mixed forest         | dead dicot. wood  | Det. Aptroot |
| 6              | <i>Daldinia</i> cf. <i>eschscholzii</i> (Ehrenb. : Fr.) Rehm | 1990.06 | Nova Petrópolis, GSY                        |                      | dead branch of <i>Acacia decurrens</i> Willd.               |              |
| 698            | <i>Encoelia heteromera</i> (Mont.) Nannf.                    | 1995.02 | Nova Petrópolis                             | mixed forest         | dead dicot. wood (without bark)                             |              |
| 374            | <i>Encoelia</i> sp. A (identical to <i>de Meijer</i> 2263)   | 1996.09 | Nova Petrópolis, GSY                        | mixed forest         | dead branch of <i>Liquidambar styraciflua</i> L.            |              |
| 349            | <i>Eutypella leprosa</i> (Pers. : Fr.) Berl.                 | 1992-10 | Nova Petrópolis, GSY                        | pile of twigs        | dead dicot. wood  | Det. Aptroot |
| 663            | <i>Galiella spongiosa</i> (Berk. & M.A.Curtis) Pfister       | 1994.11 | Nova Petrópolis                             | native forest        | dead dicot. wood  |              |
| 567            | <i>Gibberella</i> sp.  | 1993-10 | Nova Petrópolis, GSY                        |                      | dead culm of <i>Bambusa tuldooides</i> Munro                | Det. Aptroot |
| 54             | <i>Hymenoscyphus lasiopodius</i> (Pat.) Dennis               | 1993.05 | Nova Petrópolis, GSY                        |                      | dead dicot. stub (without bark)                             |              |

Cont. Table 2

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|       |  |         |                             |               |  |              |
|-------|--|---------|-----------------------------|---------------|--|--------------|
| 230   | <i>Hypocrea</i> cf. <i>rufa</i><br>(Pers. : Fr.)<br>Fr.  | 1991.03 | Piçarras                    | native forest | dead dicot. wood   |              |
| 36    | <i>Hypocrea</i> cf. <i>sulfurella</i><br>Kalchbr. &<br>Cooke   | 1990.12 | Nova Petrópolis, GSY        | native forest | dead dicot. wood (with bark)                                   |              |
| 335   | <i>Hypoxylon</i> cf. <i>truncatum</i><br>(Schwein. :<br>Fr.)<br>J.H.Miller   | 1992.10 | Nova Petrópolis, GSY        | native forest | dead dicot. wood (without<br>bark)                             |              |
| 511A  | <i>Lachnum</i><br><i>brasiliense</i><br>(Mont.)<br>J.Haines &<br>Dumont, cf.<br><i>L. sclerotii</i><br>(A.L.Sm.)<br>J.Haines &<br>Dumont | 1993.05 | Nova Petrópolis, GSY        | native forest | dead wood (with bark) of<br><i>Baccharis</i> sp.               |              |
| 676A  | <i>Lachnum</i><br><i>pudivundum</i><br>(Quéf.) Sacc.   | 1997.02 | Nova Petrópolis, GSY        |               | dead dicot. wood   |              |
| 325   | <i>Lachnum</i> aff.<br><i>abnorme</i><br>(Mont.)<br>J.Haines &<br>Dumont   | 1991.11 | Nova Petrópolis             | native forest | dead and living dicot. wood                                    | Det. Haines  |
| 532   | <i>Mollisia</i> sp. A  | 1993.05 | Nova Petrópolis, GSY        |               | dead dicot. wood (without<br>bark)                             | Det. Haines  |
| 648   | <i>Mollisia</i> sp. A  | 1994.10 | Nova Petrópolis, GSY        | native forest | dead dicot. wood (without<br>bark)                             |              |
| 159   | <i>Morchella</i><br><i>esculenta</i> (L.<br>: Fr.) Pers.   | 1990.05 | Nova Petrópolis, Vale Verde |               | mixed soil   |              |
| 568   | <i>Mycocalicium</i><br><i>subtile</i><br>(Pers.)<br>Szatala  | 1993-10 | Nova Petrópolis, GSY        |               | dead leave of <i>Syagrus</i><br><i>romanzoffiana</i>           | Det. Aptroot |
| 21/22 | <i>Nanoscypha</i><br><i>tetraspora</i><br>(Seaver)<br>Denison  | 2002.07 | Nova Petrópolis, Vale Verde | mixed forest  | dead twig of <i>Araucaria</i><br><i>angustifolia</i>           |              |
| 68    | <i>Nectria</i> sp. A   | 1992.10 | Nova Petrópolis, GSY        | pile of twigs | dead petiole   |              |
| 172A  | <i>Nectria</i> sp. B   | 1993.09 | Nova Petrópolis, GSY        |               | dead branch of liana ( <i>Bauhinia</i><br>sp.)                 |              |
| 425   | <i>Nectria</i> sp. C   | 1992.10 | Nova Petrópolis, GSY        | native forest | living trunk (covered with<br>mosses) of dicot tree            |              |
| 581   | <i>Nectria</i> sp. D   | 1993.12 | Nova Petrópolis, GSY        |               | dead stem of <i>Manihot</i><br><i>utilissima</i> Pohl (manioc) |              |
| 361   | <i>Nectria</i> sp. E   | 1993.02 | Nova Petrópolis, GSY        |               | dead branch (with bark) of a<br>shrub                          |              |
| 83    | <i>Nectria</i> sp. F   | 1993.08 | Nova Pádua                  | native forest | dead dicot. branch (with bark)                                 |              |

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|      |   |         |  |                |  |              |
|------|---|---------|--|----------------|--|--------------|
| 610  | <i>Neodasyscypha cerina</i> (Pers. : Fr.) Spooner                               | 1994.05 | Nova Petrópolis, GSY                           |                | dead wood (without bark) of <i>Senna multijuga</i> (L.C.Richard) H.S.Irwin & R.C.Barneby | Det. Haines  |
| 672  | <i>Neodasyscypha cerina</i>   | 1995.01 | Nova Petrópolis, GSY                           |                | dead dicot. wood (without bark)  | Det. Haines  |
| 640' | <i>Niptera</i> sp.  | 1994-09 | Nova Petrópolis, GSY                           | native forest  | dead bamboo culms  | Det. Aptroot |
| 625  | <i>Pezicula</i> sp.   | 1994.05 | Nova Petrópolis                                | mixed forest   | dead dicot. wood (with bark)   | Det. Pfister |
| 647  | <i>Peziza</i> cf. <i>vagneri</i> J.Moravec, <i>P.</i> cf. <i>thozetii</i> Berk. | 1994.10 | Nova Petrópolis, GSY                           |                | dead dicot. wood (without bark)  | Det. Pfister |
| 100  | <i>Phillipsia olivacea</i> Rick   | 1990.05 | Canela   | mixed forest   | dead dicot. wood   |              |
| 353  | <i>Phillipsia</i> cf. <i>domingensis</i> (Berk.) Berk.                          | 1992.01 | Nova Petrópolis, Rio Caí valley, Arroio Paixão | gallery forest | dead dicot. wood   |              |
| 165  | <i>Phylacia turbinata</i> (Berk.) Dennis  | 1990.05 | Canela   | mixed forest   | piece of dead dicot. wood  |              |
| 447A | <i>Pithya cupressina</i> (Pers. : Fr.) Fuckel                                   | 1993.09 | Nova Petrópolis, GSY                           |                | dead branch of <i>Juniperus</i> (?kaizuca)   |              |
| 569  | <i>Proliferodiscus alboviridis</i> (Sacc.) Spooner                              | 1993.09 | Nova Petrópolis, GSY                           |                | dead dicot. wood (without bark)  | Det. Haines  |
| 543  | <i>Scutellina scutellata</i> (L. : Fr.) Lambotte                                | 1993.07 | Canela   | mixed forest   | dead branch (with bark) of <i>Araucaria angustifolia</i>                                 |              |
| 193  | <i>Scutellinia scutellata</i>   | 1992.04 | Nova Petrópolis, GSY                           |                | wood humus   |              |
| 464  | <i>Thyronectria</i> sp. A   | 1993.01 | Nova Petrópolis, GSY                           |                | dead stem (with thin bark) of a shrub  |              |
| 575  | <i>Thyronectria</i> sp. A   | 1993.10 | Nova Petrópolis, GSY                           |                | dead dicot. branch (with bark)   |              |
| 289A | <i>Xylaria berteri</i> (Mont.) Cooke  | 1993.08 | Nova Petrópolis, GSY                           |                | dead wood (with bark) of <i>Ilex paraguariensis</i> A.St.-Hil.                           |              |
| 146  | <i>Xylaria feejeensis</i> (Berk.) Fr.   | 1991.   | Nova Petrópolis                                |                | dead dicot. wood   |              |
| 219  | <i>Xylaria globosa</i> (Spreng. : Fr.) Mont.                                    | 1991.02 | Nova Petrópolis, Parque Aldeia do Imigrante    | mixed forest   | dead dicot. wood (with bark)   |              |
| 315  | <i>Xylaria scruposa</i> (Fr.) Fr.   | 1991.10 | Nova Petrópolis, GSY                           |                | dead dicot. wood   |              |

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|       |   |         |  |                              |   |              |
|-------|---|---------|--|------------------------------|---|--------------|
| 315A  | <i>Xylaria</i> cf. <i>mellisii</i> (Berk.) Dennis                   | 1991    | Nova Petrópolis, GSY                     |                              | dead wood   |              |
| 469   | <i>Xylaria</i> sp. A (identical to <i>de Meijer</i> 1508)           | 1991.   | Nova Petrópolis, Vale Verde              |                              | dead dicot. wood  |              |
| 509   | cf. <i>Bulliardella nitida</i> (Ellis) Lohman (overmature material) | 1993.03 | Piçarras                                 | swampy native forest         | dead dicot. branch (with bark)                                | Det. Aptroot |
| 724   | cf. <i>Claussenomyces</i> sp.                                       | 1997.08 | Nova Petrópolis, GSY                     | native forest                | dead dicot. wood (with bark)                                  |              |
| 0/1/2 | cf. <i>Geopyxis</i> sp.   | 2001.06 | Nova Petrópolis, GSY                     |                              | burnt branch of <i>Yucca elephantipes</i> Regel ex W.Trelease |              |
| 524   | cf. <i>Lambertella chromoflava</i> (Rick) Dumont                    | 1993.04 | Nova Petrópolis, GSY                     | native forest                | dead branch (with bark) of <i>Baccharis</i> sp.               |              |
| 557   | cf. <i>Pezicula bambusina</i> Petr.                                 | 1993.09 | Nova Petrópolis, GSY                     |                              | dead culm of <i>Bambusa tuldoidea</i>                         |              |
| 426   | cf. <i>Vibrissea</i> sp. B3) Basidiomycota                          | 1992.10 | Nova Petrópolis, GSY                     | pile of twigs                | dead wood (with bark)   |              |
| 535A  | <i>Abortiporus biennis</i> (Bull. : Fr.) Singer                     | 1994.02 | Gramado                                  | <i>Eucalyptus</i> plantation | soil mixed with stones  |              |
| 1/2   | <i>Agrocybe</i> aff. <i>cylindrica</i> (DC. : Fr.) Maire            | 2002.04 | Nova Petrópolis, property of Sr. Kapelle |                              | wood of damaged but living dicot. tree                        |              |
| 397   | <i>Agrocybe sororia</i> (Peck) Watling                              | 1997.09 | Nova Petrópolis, GSY                     |                              | grass between wood remains                                    |              |
| 519   | <i>Aleurodiscus mirabilis</i> (Berk. & M.A.Curtis) Höhn.            | 1993.05 | Nova Petrópolis                          | native forest                | dead dicot. wood (without bark)                               |              |
| 6/7   | <i>Aleurodiscus mirabilis</i>                                       | 2003.01 | Canela, at 900 m a.s.l.                  | mixed native forest          | dead branch of dicot. tree                                    |              |
| 25    | <i>Aleurodiscus mirabilis</i>                                       | 2003.03 | São Francisco de Paulo                   | mixed native forest          | dead branch of dicot. tree                                    |              |
| 91    | <i>Amanita muscaria</i> (L. : Fr.) Lam.                             | 1990.   | Nova Petrópolis, GSY                     | <i>Pinus</i> plantation      | soil, near <i>Pinus</i> sp. (ectomycorrhizal)                 |              |

Cont. Table 2

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|      |  |         |  |   |  |            |
|------|--|---------|--|---|--|------------|
| -    | <i>Amanita rubescens</i><br>Pers. : Fr.                                | 2002.05 | Gramado, land of golf club<br>(800 m a.s.l.)   |   | soil, near <i>Pinus</i> sp. (also some other exotic and native trees)<br>(ectomycorrhizal) | Leg. Ueno  |
| 20   | <i>Amauroderma corneri</i><br>Gulaid &<br>Ryvarden                     | 2000.04 | Nova Petrópolis, GSY                           |   | dead stub of <i>Acacia decurrens</i>   |            |
| 309  | <i>Aphelaria</i> sp.<br>(aff. <i>flabellata</i><br>(Wakef.)<br>Corner) | 1992.06 | Nova Petrópolis, Parque Aldeia<br>do Imigrante |   | dead stub of dicot. tree   |            |
| 548  | <i>Armillaria</i> sp. A  | 1993.07 | Nova Petrópolis, GSY                           |   | dead dicot. wood (without<br>bark)   |            |
| 18   | <i>Armillaria</i> sp. A  | 2002.06 | Nova Petrópolis, Vale Verde                    | mixed forest  |  |            |
| 523  | <i>Auricularia cornea</i><br>Ehrenb.                                   | 1997.07 | Nova Petrópolis, GSY                           | native forest   | dead trunk (with bark) of<br><i>Baccharis</i> sp.  |            |
| 15   | <i>Auricularia fuscossuccinea</i><br>(Mont.)<br>Farl.                  | 1990.   | highlands of Rio Grande do Sul                 |   | dead dicot. wood   |            |
| 372* | <i>Auriscalpium villipes</i><br>(Lloyd) Snell<br>& Dick                | 1992.02 | Nova Petrópolis, Vale Verde                    |   | dead wood  |            |
| 282  | <i>Auriscalpium villipes</i>   | 1992.06 | Nova Petrópolis, property of Sr.<br>Dietrich   | pasture + mixed<br>forest   | dead stub of <i>Syagrus romanzoffiana</i>  |            |
| 645  | <i>Battarrea phalloides</i><br>(Dicks.) Pers.                          | 1994.10 | Nova Petrópolis, GSY                           |   | soil, near <i>Cryptomeria</i><br>(? <i>elegans</i> )                                       |            |
| 634  | <i>Boletinellus rompelii</i><br>(Pat. & Rick)<br>Watling               | 1992.02 | Nova Petrópolis, property of Sr.<br>Volz       | mixed forest  | soil   |            |
| -    | <i>Boletus brasiliensis</i><br>Rick                                    | 2002-05 | Nova Petrópolis, Linha<br>Imperial             |   | soil, very near to <i>Eucalyptus</i><br>sp. ( <i>Pinus</i> absent)<br>(ectomycorrhizal?)   | Leg. Fleck |
| 23   | <i>Boletus edulis</i><br>Bull. : Fr.                                   | 2001.05 | Gramado, land of golf club<br>(800 m a.s.l.)   | lawn with along<br>edge <i>Pinus elliotii</i> Engelm.,<br><i>P. taeda</i> L., and a<br>few native<br>araucarias | soil, near <i>Pinus</i> sp.<br>(ectomycorrhizal)   | Leg. Ueno  |
| 298  | <i>Calocera cornea</i><br>(Batsch : Fr.)<br>Fr.                        | 1991.08 | Nova Petrópolis, GSY                           |   | dead dicot. wood   |            |
| 273A | <i>Calvatia cyathiformis</i><br>(Bosc)<br>Morgan                       | 1991.05 | Nova Petrópolis, Parque Aldeia<br>do Imigrante | mixed forest  | humus  |            |

Cont. Table 2

Cont. Table 2

|      |   |         |  |  |   |            |
|------|---|---------|--|--|---|------------|
| 432' | <i>Calvatia rugosa</i><br>(Berk. &<br>M.A.Curtis)<br>D.A.Reid                 | 1995.12 | Nova Petrópolis, GSY   |  | soil mixed with stones                            |            |
| 28   | <i>Camarophyllus</i><br>cf. <i>cremeus</i><br>(Murrill)<br>Singer             | 2003.06 | Canela   | mixed forest and<br>pasture              | soil  |            |
| 608A | <i>Campanella</i> cf.<br><i>aeruginea</i><br>Singer                           | 1997.02 | Nova Petrópolis  | plantation of<br><i>Acacia decurrens</i> | dead dicot. wood (with bark)                      |            |
| 428  | <i>Chaetocalathus</i><br><i>liliputianus</i><br>(Mont.)<br>Singer             | 1997.10 | Nova Petrópolis  | mixed forest                             | dead wood   |            |
| 98   | <i>Chlorophyllum</i><br><i>hortense</i><br>(Murrill)<br>Vellinga              | 1990.04 | Nova Petrópolis, properties of<br>Einsfeld and Schumann            |  | soil  |            |
| 151  | <i>Chlorophyllum</i><br><i>hortense</i>                                       | 1991.04 | Gramado  | flower bed                               | soil manured with poultry<br>excrement            |            |
| 106  | <i>Chlorophyllum</i><br><i>molybdites</i><br>(G.Mey. :<br>Fr.) Masee          | 1990.03 | Nova Petrópolis?   | on pile of<br>compost                    | straw mixed with poultry<br>excrement             |            |
| 15'  | <i>Clavaria</i> cf.<br><i>aurantiocinn</i><br><i>abarina</i><br>Schwein.      | 2002.06 | Nova Petrópolis, GSY   |  | humus under <i>Bambusa</i><br><i>tuldoides</i>    |            |
| 148  | <i>Clavulina</i><br><i>coralloides</i><br>(L. : Fr.)<br>J.Schröt.             | 1990.04 | Nova Petrópolis  | lawn with trees                          | soil  |            |
| 148A | <i>Clavulina</i><br><i>coralloides</i>  | 1998.05 | Nova Petrópolis, Linha<br>Imperial, property of Sr.<br>Hildebrandt | <i>Pinus</i> plantation                  | soil, near <i>Pinus</i> sp.<br>(ectomycorrhizal?) |            |
| 118  | <i>Climacodon</i><br><i>pulcherrimus</i><br>(Berk. &<br>M.A.Curtis)<br>Nicol. | 1990.04 | Nova Petrópolis  | plantation of<br><i>Acacia decurrens</i> | dead dicot. stub                                  |            |
| -    | <i>Conocybe rugosa</i><br>(Peck)<br>Watling                                   | 2003.01 | Porto Alegre, Rua Anita<br>Garibaldi                               | garden                                   | soil  | Leg. Lopes |
| 722  | <i>Conocybe</i> cf.<br><i>austrofilaris</i><br>(Singer)<br>Watling            | 1997.08 | Nova Petrópolis, GSY   | greenhouse                               | sawdust   |            |
| 359  | <i>Coprinus</i><br><i>disseminatu</i><br>(Pers. : Fr.)<br>Gray                | 1996.11 | Nova Petrópolis  |  | dead stem of <i>Phytolacca dioica</i><br>L.       |            |
| 549  | <i>Coprinus</i><br><i>xanthothrix</i><br>Romagn.                              | 1996.08 | Nova Petrópolis, GSY   |  | dead dicot. wood (with bark)                      |            |

Cont. Table 2



Cont. Table 2

|       |  |         |  |   |   |
|-------|--|---------|--|---|---|
| 441   | <i>Coprinus</i> sp. A<br>(aff.<br><i>geesterani</i><br>Uljé)                           | 1996.10 | Nova Petrópolis                                |   | dead stem of <i>Phytolacca dioica</i>       |
| 227   | <i>Cotylidia</i><br><i>spectabilis</i><br>(Lév.)<br>Courtec.                           | 1996.03 | Piçarras                                       | <i>Pinus</i> plantation,<br>with undergrowth<br>of native trees | rests of dead (dicot.?) wood                |
| 13    | <i>Crepidotus</i> cf.<br><i>aquosus</i><br>Murrill                                     | 1999.04 | Nova Petrópolis, GSY                           | pile of twigs   | dead dicot. branches                        |
| 717   | <i>Crepidotus</i> cf.<br><i>grumosopilo</i><br><i>sus</i> (Berk. &<br>Broome)<br>Sacc. | 1997.07 | Nova Petrópolis, GSY                           | native forest   | dead dicot. wood                            |
| 01 II | <i>Crimipellis</i><br><i>siparunae</i><br>Singer                                       | 2002.04 | Nova Petrópolis, GSY                           |   | dead dicot. wood                            |
| 677   | <i>Cuphophyllus</i> cf.<br><i>pratensis</i><br>(Pers. : Fr.)<br>M.Bon                  | 1994.12 | Nova Petrópolis                                | mixed forest  | root humus                                  |
| 76    | <i>Cyathus</i><br><i>stercoreus</i><br>(Schwein.)<br>De Toni                           | 1990.   | Nova Petrópolis, GSY                           |   | cattle excrement                            |
| 200   | <i>Cymatoderma</i><br><i>caperatum</i><br>(Mont. &<br>Berk.)<br>D.A.Reid               | 1990.   | highlands of Rio Grande do Sul                 |   | dead dicot. wood                            |
| 206   | <i>Cymatoderma</i><br><i>dentrificum</i><br>(Fr.)<br>D.A.Reid                          | 1993.03 | Nova Petrópolis                                |   | dead stub of <i>Acacia decurrens</i>        |
| 348   | <i>Cyptotrama</i><br><i>asprata</i><br>(Berk.)<br>Redhead &<br>Ginns                   | 1991.12 | Nova Petrópolis, GSY                           | native forest   | dead dicot. wood                            |
| 305   | <i>Dacrymyces</i><br><i>enatus</i> var.<br><i>macrospora</i><br>L.L.Kenn.              | 1991.09 | Nova Petrópolis, Parque Aldeia<br>do Imigrante | mixed forest  | dead dicot. wood (with bark)                |
| 342   | <i>Dacryopinax</i><br><i>elegans</i><br>(Berk. &<br>M.A.Curtis)<br>G.W.Martin          | 1991.12 | Nova Petrópolis, GSY                           |   | dead dicot. wood                            |
| 3     | <i>Dacryopinax</i><br><i>spathularia</i><br>(Schwein.)<br>G.W.Martin                   | 1991.04 | Nova Petrópolis, GSY                           | burnt places +<br>mixed forest                                  | slightly burnt wood and dead<br>dicot. wood |
| 32    | <i>Deflexula</i> cf.<br><i>subsimplex</i><br>(Henn.)<br>Corner                         | 2003.06 | Nova Petrópolis, property of Sr.<br>Lenz       | mixed forest  | loose bark of a dead dicot.<br>trunk        |

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|        |   |         |   |  |  |
|--------|---|---------|---|--|--|
| 496    | <i>Earliella scabrosa</i> (Pers.) Gilb. & Ryvardeen           | 1993.03 | Piçarras                                    | swampy native forest   | dead roots (with bark) of <i>Cecropia adenopus</i> Mart. ex Miq. |
| 320    | <i>Echinoporia aculeifera</i> (Berk. & M.A.Curtis) Ryvardeen  | 1991.10 | Nova Petrópolis, GSY                        |  | dead branch of <i>Caesalpinia ferrea</i> Mart.                   |
| 730    | <i>Entoloma murrayi</i> (Berk. & M.A.Curtis) Sacc.            | 1998.02 | Nova Pádua, property of Sr. Ackermann       | mixed forest   | soil   |
| 23/5   | <i>Exidiopsis</i> cf. <i>fuliginea</i> Rick                   | 2003.06 | Nova Petrópolis, GSY                        |  | dead dicot. wood (with bark)                                     |
| 19/20  | <i>Exidiopsis</i> sp. A (cf. <i>sublivida</i> (Pat.) K.Wells) | 2001.10 | Nova Petrópolis, GSY                        |  | dead dicot. wood (with bark)                                     |
| 3/4 II | <i>Favolaschia aurantiaca</i> Singer                          | 2002.05 | Nova Petrópolis, GSY                        |  | dead culm of <i>Bambusa tuldoidea</i>                            |
| 485    | <i>Favolaschia</i> aff. <i>pygmaea</i> (Speg.) Singer         | 1993.02 | Nova Petrópolis, GSY                        | pile of twigs  | dead bamboo culm   |
| 125    | <i>Filoboletus</i> cf. <i>gracilis</i> (Klotzsch) Singer      | 1991.01 | Nova Petrópolis, Parque Aldeia do Imigrante |  | dead dicot. wood   |
| 551    | <i>Flaviporus brownii</i> (Humb.) Donk                        | 1993.07 | Canela                                      | mixed forest   | dead dicot. wood (without bark)                                  |
| 154A   | <i>Fomitella supina</i> (Sw. : Fr.) Murrill                   | 1992.05 | Nova Petrópolis, GSY                        |  | damaged but still living <i>Liquidambar styraciflua</i>          |
| 338    | <i>Fuscocerrena portoricensis</i> (Fr.) Ryvardeen             | 1991.   | Nova Petrópolis                             |  | dead dicot. wood (with bark)                                     |
| 612    | <i>Galerina velutipes</i> Singer                              | 1994.05 | Nova Petrópolis, GSY                        | greenhouse   | sawdust  |
| 82     | <i>Geastrum saccatum</i> Fr.                                  | 1990.02 | Nova Petrópolis                             | <i>Pinus</i> plantation  | soil   |
| 186    | <i>Geastrum triplex</i> Jungh.                                | 1996.03 | Piçarras                                    | <i>Pinus</i> plantation, with undergrowth of native woody plants | humus  |
| 347    | <i>Geastrum velutinum</i> (Morgan) E.Fisch.                   | 1991.01 | Nova Petrópolis, property of Sr. Hoffman    | mixed forest   | humus  |

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Cont. Table 2

|           |   |         |   |   |   |            |
|-----------|---|---------|---|---|---|------------|
| 545       | <i>Geastrum</i> sp. A<br>(with sulcate<br>peristome)                | 1993.07 | Nova Petrópolis, GSY                          | mixed forest                                      | soil, near <i>Pinus</i> sp.                                 |            |
| 58        | <i>Gloeophyllum</i><br><i>striatum</i><br>(Sw.) Murrill             | 1992.12 | Nova Petrópolis, GSY                          | native forest                                     | dead dicot. wood (without<br>bark)                          |            |
| 659       | <i>Gloeoporus</i><br><i>dichrous</i> (Fr.<br>: Fr.) Bres.           | 1994.10 | Nova Petrópolis                               |   | dead branch (with bark) of<br><i>Araucaria angustifolia</i> |            |
| 437       | <i>Gloeoporus</i> cf.<br><i>thelephoroides</i> (Hook.)<br>G.Cunn.   | 1992.11 | Nova Petrópolis, Vale Verde                   | mixed forest                                      | dead dicot. wood (with bark)                                |            |
| 1         | <i>Gymnopilus</i><br><i>pampeanus</i><br>(Speg.)<br>Singer          | 2002.08 | Nova Petrópolis, GSY                          | <i>Eucalyptus</i><br>plantation                   |   | Leg. Fleck |
| 4/5<br>15 | <i>Gymnopilus</i><br><i>subtropicus</i><br>Hesler                   | 2002.xi | Nova Petrópolis, GSY                          | mixed forest                                      | dead dicot. wood  |            |
| 87        | <i>Hebeloma</i> cf.<br><i>sacchariolen</i><br><i>s</i> Quél.        | 1991.05 | Nova Petrópolis                               | pasture with trees                                | soil (ectomycorrhizal)                                      |            |
| 255       | <i>Hohenbuehelia</i><br>cf. <i>singeri</i><br>Albertó &<br>Fazio    | 1996.04 | Piçarras                                      | swampy native<br>forest                           | bark of dead dicot. trunk                                   |            |
| 385       | <i>Hydnodon</i><br><i>thelephorus</i><br>(Lév.)<br>Banker           | 1997.02 | Nova Petrópolis                               | swampy native<br>forest                           | humus (ectomycorrhizal?)                                    |            |
| 26        | <i>Hydnopolyporus</i><br><i>fimbriatus</i><br>(Fr.)<br>D.A.Reid     | 1992.01 | highlands of Rio Grande do Sul                | native forest                                     | superficial tree roots                                      |            |
| 80        | <i>Hygrocybe</i><br><i>conica</i><br>(Schaeff. :<br>Fr.)<br>P.Kumm. | 1990.02 | Nova Petrópolis, GSY                          | pasture   | soil  |            |
| 34/5      | <i>Hygrocybe</i> cf.<br><i>parvula</i><br>(Peck) Pegler             | 2003.06 | Gramado                                       | mixed forest                                      | amongst <i>Sphagnum</i>                                     |            |
| 513       | <i>Hymenochaete</i><br><i>damicornis</i><br>Link                    | 1993.04 | Nova Petrópolis, GSY                          | mixed forest<br>/ <i>Eucalyptus</i><br>plantation | dead dicot. wood  |            |
| 726       | <i>Hymenochaete</i><br>cf. <i>sallei</i><br>Berk. &<br>M.A.Curtis   | 1998.09 | Nova Petrópolis, property of Sr.<br>Ackermann | mixed forest                                      | dead dicot. wood  |            |
| 552       | <i>Hyphoderma</i><br><i>setigerum</i><br>(Fr.) Donk                 | 1993.08 | Nova Petrópolis, GSY                          |   | dead dicot. wood (without<br>bark)                          |            |

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Cont. Table 2

|        |  |         |   |  |   |            |
|--------|--|---------|---|--|---|------------|
| 657    | <i>Hypholoma subviride</i> (Berk. & M.A.Curtis) Dennis | 1995.05 | Nova Petrópolis, GSY                        |  | dead stub of <i>Pinus</i> sp.                         |            |
| 23/4   | <i>Hypholoma subviride</i>                             | 2002.08 | Nova Petrópolis, GSY                        |  | dead trunk (without bark) of <i>Eucalyptus</i> sp.    |            |
| 116    | <i>Inocybe curvipes</i> P.Karst.                       | 1991.05 | Nova Petrópolis                             | <i>Pinus</i> plantation, with native trees | soil, near <i>Pinus</i> sp. (ectomycorrhizal)         |            |
| 177    | <i>Irpex</i> cf. <i>lacteus</i> (Fr. : Fr.) Fr.        | 1992.05 | Nova Petrópolis, Parque Aldeia do Imigrante |  | dead dicot. branch                                    |            |
| 28A    | <i>Laccaria fraterna</i> (Cooke & Masee) Pegler        | 1996.09 | Nova Petrópolis, GSY                        | <i>Eucalyptus</i> plantation               | soil, near <i>Eucalyptus</i> sp. (ectomycorrhizal)    |            |
| 28     | <i>Laccaria</i> cf. <i>proxima</i> (Boud.) Pat.        | 1995.09 | Nova Petrópolis                             | <i>Pinus</i> plantation                    | soil, near <i>Pinus</i> sp. (ectomycorrhizal)         |            |
| 88     | <i>Lactarius deliciosus</i> (L. : Fr.) Gray            | 1990.06 | highlands of Rio Grande do Sul              | <i>Pinus</i> plantation                    | soil, near <i>Pinus</i> sp. (ectomycorrhizal)         |            |
| 101    | <i>Lactarius rufus</i> (Scop. : Fr.) Fr.               | 1990.   | Nova Petrópolis                             | <i>Pinus</i> plantation                    | soil, near <i>Pinus</i> sp. (ectomycorrhizal)         |            |
| 10     | <i>Lactocollybia aurantiaca</i> Singer                 | 2002.05 | Rolante, river valley                       |  | soil, between <i>Bambusa tuldoidea</i>                | Leg. Fleck |
| 65A    | <i>Laetiporus sulphureus</i> (Fr.) Murrill             | 1992.02 | Nova Petrópolis, Parque Aldeia do Imigrante | native forest                              | dead dicot. trunk                                     |            |
| 562    | <i>Laxitextum bicolor</i> (Pers. : Fr.) Lentz          | 1993.08 | Nova Petrópolis, GSY                        |  | dead stub (with bark) of <i>Pinus</i> sp.             |            |
| 4/6    | <i>Laxitextum bicolor</i>                              | 2001.09 | Nova Petrópolis, GSY                        |  | heart-wood of trunk fragment of <i>Eucalyptus</i> sp. |            |
| 199    | <i>Lentinus crinitus</i> (L. : Fr.) Fr.                | 1990.   | highlands of Rio Grande do Sul              |  | dead wood   |            |
| 653    | <i>Lentinus strigosus</i> (Schwein.) Fr.               | 1994.10 | Nova Petrópolis, GSY                        |  | dead dicot. wood (with bark)                          |            |
| 204    | <i>Lentinus velutinus</i> Fr.                          | 1990.   | Nova Petrópolis                             |  | dead wood   |            |
| 173' A | <i>Lenzites betulinus</i> (L. : Fr.) Fr.               | 1990.06 | Nova Petrópolis                             | native forest                              | dead dicot. wood                                      |            |
| 1/3    | <i>Leucoagaricus</i> cf. <i>lilaceus</i> Singer        | 2002.12 | Nova Petrópolis, GSY                        | mixed forest                               | humus   |            |
| 43     | <i>Leucocoprinus birnbaumii</i> (Corda) Singer         | 1990.   | highlands of Rio Grande do Sul              | plantation of <i>Acacia decurrens</i>      | soil  |            |

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Cont. Table 2

|      |  |         |   |                             |   |
|------|--|---------|---|-----------------------------|---|
| 72   | <i>Leucocoprinus<br/>cretaceus</i><br>(Bull. : Fr.)<br>Locq.   | 1990.01 | Nova Petrópolis, Parque                       | compost heap                | dead leaves   |
| 39   | <i>Linderiella<br/>columnata</i><br>(Bosc)<br>G.Cunn.  | 1990.04 | Nova Petrópolis                               | burnt place in<br>farm land | soil  |
| 130  | <i>Lycoperdon<br/>marginatum</i><br>Vittad.  | 1990.04 | Nova Petrópolis, property of Sr.<br>Knorst    |                             | stony soil  |
| 345  | <i>Macrolepiota<br/>pulchella</i><br>Vellinga &<br>de Meijer   | 1991.12 | Nova Petrópolis                               | native forest               | humus   |
| 143  | <i>Macrolepiota</i> sp.<br>A (with stipe<br>420 mm<br>long)<br>(identical to<br><i>de Meijer</i><br><i>SJa-</i><br><i>16.ii.1993</i> ) | 1991.12 | Nova Petrópolis, Vale Verde                   | mixed forest                | humus   |
| 13   | <i>Marasmiellus<br/>nigripes</i><br>(Schwein.)<br>Singer   | 1998.02 | Piçarras                                      | swampy native<br>forest     | dead wood   |
| 220  | <i>Marasmiellus</i> cf.<br><i>candidus</i><br>(Bolton)<br>Singer   | 1991.03 | Piçarras, near beach                          |                             | dead dicot. wood (with bark)                            |
| 171  | <i>Marasmiellus</i> cf.<br><i>tener</i> Singer   | 1998.09 | Nova Petrópolis, property of Sr.<br>Ackermann | mixed forest                | leaves + dead twigs of<br><i>Araucaria angustifolia</i> |
| 34'  | <i>Marasmius<br/>berteroi</i><br>(Lév.)<br>Murrill   | 1998.05 | Nova Petrópolis, property of Sr.<br>Lenz      | mixed forest                | woody humus   |
| 32/3 | <i>Marasmius</i> cf.<br><i>cladophyllus</i><br>Berk.   | 1999.04 | Nova Petrópolis, GSY                          | native forest               | humus   |
| 251A | <i>Marasmius</i> cf.<br><i>isabellinus</i><br>Pat.   | 1991.11 | Nova Petrópolis                               |                             | living wood of <i>Bauhinia</i> sp.                      |
| 184  | <i>Melanotus<br/>alpiniae</i><br>(Berk.) Pilát   | 1996.01 | Nova Petrópolis, GSY                          |                             | dead petioles of <i>Syagrus<br/>romanzoffiana</i>       |
| 416A | <i>Morganella<br/>fuliginea</i><br>(Berk. &<br>M.A.Curtis)<br>Kreisel &<br>Dring   | 1992.04 | Nova Petrópolis                               | mixed forest                | dead wood   |
| 372  | <i>Mycena austinii</i><br>(Peck)<br>Kühner   | 1997.02 | Canela  | native forest               | dead twig of <i>Araucaria<br/>angustifolia</i>          |

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Cont. Table 2

|       |   |         |   |  |   |
|-------|---|---------|---|--|---|
| 6/7   | <i>Mycena filopes</i><br>(Bull. : Fr.)<br>P.Kumm.                             | 2003.06 | Nova Petrópolis, GSY                        |  | below <i>Pinus</i> sp.  |
| 16    | <i>Mycena globulispora</i><br>Maas Geest.<br>& de Meijer                      | 1999.04 | Nova Petrópolis, GSY                        |  | bark of living trunk of<br><i>Cryptomeria (?elegans)</i>              |
| 607   | <i>Mycena globulispora</i>  | 1994.04 | Nova Petrópolis, GSY                        |  | bark of living trunk of<br><i>Campomanesia xanthocarpa</i><br>O.Berg. |
| 36'   | <i>Mycena paranaënsis</i><br>Maas Geest.<br>& de Meijer                       | 1998.05 | Nova Petrópolis, property of Sr.<br>Lenz    | mixed forest   | dead dicot. stubs   |
| 4/6   | <i>Mycena tapeina</i><br>Maas Geest.<br>& de Meijer                           | 2000.05 | Nova Petrópolis, Linha<br>Imperial          | <i>Pinus</i> plantation<br>with undergrowth<br>of native woody<br>plants | dead dicot. wood  |
| 391   | <i>Mycobonia flava</i><br>(Sw. : Fr.)<br>Pat.                                 | 1992.04 | Nova Petrópolis, Vale Verde                 | native forest  | dead dicot. wood  |
| 332   | <i>Mycocalia</i> cf.<br><i>denudata</i><br>(Fr.)<br>J.T.Palmer                | 1991.11 | Nova Petrópolis                             | mixed forest   | dead dicot. wood (with bark)  |
| 136   | <i>Neoclitocybe byssiseda</i><br>(Bres.)<br>Singer                            | 1990.04 | Nova Petrópolis, property of Sr.<br>Knorst  |  | dead branches (with bark) of<br><i>Araucaria angustifolia</i>         |
| 13    | <i>Neoclitocybe byssiseda</i>   | 2003.07 | Nova Petrópolis, GSY                        |  | dead dicot. branch  |
| 13/15 | <i>Neoclitocybe byssiseda</i> , cf.<br><i>N. nauseosa</i><br>(Rick) Singer    | 2001.07 | Nova Petrópolis, Linha<br>Imperial          | <i>Pinus</i> &<br><i>Eucalyptus</i><br>plantation                        | humus   |
| 434   | <i>Nochascypha</i> sp.<br>(aff.<br><i>paraguayensis</i><br>(Speg.)<br>Agerer) | 1992.11 | Nova Petrópolis, GSY                        | pile of twigs  | dead dicot. wood (with bark)  |
| 132   | <i>Oligoporus subcaesius</i><br>(A.David)<br>Ryvarden &<br>Gilb.              | 1990.04 | Nova Petrópolis, property of Sr.<br>Schmidt |  | dead dicot. stub  |
| 1/4   | <i>Oligoporus tephroleucus</i><br>(Fr. : Fr.)<br>Gilb. &<br>Ryvarden          | 2003.07 | Nova Petrópolis, GSY                        |  | dead dicot. wood (with bark)  |
| 12    | <i>Oudemansiella canarii</i><br>(Jungh.)<br>Höhn.                             | 2003.03 | São Francisco de Paula                      | mixed forest   | humus?  |

Cont. Table 2

Cont. Table 2

|              |  |         |   |                      |  |
|--------------|--|---------|---|----------------------|--|
| 280          | <i>Pachykytospora alabamae</i><br>(Berk. & M.A.Curtis)<br>Ryvarden                   | 1990.   | Nova Petrópolis                             | native forest        | dead dicot. branch                             |
| 243          | <i>Panaeolus antillarum</i><br>(Fr. : Fr.)<br>Dennis                                 | 1991.03 | Piçarras                                    | pasture              | cattle excrement                               |
| 66           | <i>Panaeolus cinctulus</i><br>(Bolton)<br>Sacc                                       | 1990.   | Nova Petrópolis                             | pasture              | cattle excrement                               |
| 10           | <i>Panaeolus papiloniaceus</i><br>var.<br><i>parvisporus</i><br>Ew.Gerhardt          | 1990.11 | Nova Petrópolis                             | vegetable garden bed | soil mixed with excrement                      |
| 175'         | <i>Panellus pusillus</i><br>(Pers. ex Lév.) Burds.<br>& O.K.Mill.                    | 1990.   | Nova Petrópolis                             |                      | dead wood                                      |
| 10/11        | <i>Peniophora incarnata</i><br>(Pers. : Fr.)<br>P.Karst.                             | 2003.07 | Nova Petrópolis, GSY                        |                      | dead dicot. branch (with bark)                 |
| 601          | <i>Phlebia tremellosa</i><br>(Schrad. : Fr.) Burds. & Nakasone                       | 1995.05 | Nova Petrópolis                             | native forest        | dead dicot. trunk (with bark)                  |
| 10           | <i>Phlebia</i> cf.<br><i>chrysocreas</i><br>(Berk. & M.A.Curtis)<br>Burds.           | 2003.06 | Nova Petrópolis, GSY                        |                      | dead dicot. wood (with bark)                   |
| 327          | <i>Phlebia</i> aff.<br><i>cremeoalutacea</i><br>(Parmasto)<br>K.H.Larss. & Hjortstam | 1991.11 | Nova Petrópolis, GSY                        |                      | board made of <i>Araucaria angustifolia</i>    |
| 19/21/<br>22 | <i>Pholiota limonella</i><br>(Peck) Sacc.  | 2002.04 | Nova Petrópolis, Parque Aldeia do Imigrante |                      | dead still standing dicot. trunk               |
| 11/12        | <i>Pholiota</i> cf.<br><i>bicolor</i><br>(Speg.)<br>Singer                           | 2002.04 | Nova Petrópolis, Linha Imperial             |                      | dead dicot. wood                               |
| 482          | <i>Phylloporia pectinata</i><br>(Klotzsch)<br>Ryvarden                               | 1993.01 | Nova Petrópolis, GSY                        | native forest        | dead wood (with bark) of <i>Baccharis</i> sp.  |
| 326          | <i>Physalacria</i> sp.<br>(section <i>Physalacria</i> )<br>(immature material)       | 1991.11 | Nova Petrópolis, GSY                        |                      | dead fragments of <i>Syagrus romanzoffiana</i> |

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Cont. Table 2

|       |  |         |   |                              |  |            |
|-------|--|---------|---|------------------------------|--|------------|
| 266   | <i>Pisolithus</i> sp.  | 1991.05 | Nova Pádua                                  | <i>Eucalyptus</i> plantation | soil, near <i>Eucalyptus</i> sp. (ectomycorrhizal) |            |
| 22    | <i>Pleurotus djamor</i> (Rumph. : Fr.) Boedijn   | 1990.10 | Nova Petrópolis                             | burnt place                  | dead trunk of <i>Syagrus romanzoffiana</i>         |            |
| 759   | <i>Pleurotus</i> sp. A (section <i>Lepiotarii</i> (Fr.) Pilát; identical to <i>de Meijer</i> 1755) | 2001.05 | Nova Petrópolis, property of Sr. Ackermann  | pasture with trees           | dead dicot. trunk                                  |            |
| 11/12 | <i>Pluteus</i> cf. <i>xylophilus</i> (Speg.) Singer  | 2001.   | Nova Petrópolis                             | native forest                | dead dicot. trunk                                  |            |
| 274   | <i>Polyporus cucullatus</i> Mont.  | 1991.05 | Nova Petrópolis, GSY                        | mixed forest                 | dead dicot. wood                                   |            |
| 73    | <i>Polyporus dictyopus</i> Mont.   | 1995.11 | Piçarras                                    | mixed forest                 | dead dicot. wood (without bark)                    |            |
| 181   | <i>Polyporus leprieuri</i> (Mont.) Pat.  | 1990.06 | Canela                                      | mixed forest                 | dead dicot. wood                                   |            |
| 141   | <i>Polyporus sapurema</i> A.Möller (with sclerotium of 140 mm in largest diam.)                    | 1991.11 | Nova Petrópolis, GSY                        | farm land                    | soil   |            |
| 12/3  | <i>Polyporus tenuiculus</i> Beauvais : Fr.   | 2002.06 | Rolante, river valley                       |                              | dead wood  | Leg. Fleck |
| 197   | <i>Polyporus</i> cf. <i>craterellus</i> Berk. & M.A.Curtis   | 1990.11 | Nova Petrópolis, Parque Aldeia do Imigrante | native forest                | dead dicot. wood                                   |            |
| 21    | <i>Psathyrella</i> cf. <i>barlae</i> (Bres.) A.H.Sm.   | 2003.06 | Nova Petrópolis, GSY                        |                              | corn straw in decomposition                        |            |
| 156B  | <i>Psathyrella</i> sp. A (subgenus <i>Homophron</i> (Britzelm.) Singer)                            | 1998.02 | Nova Petrópolis, property of Sr. Ackermann  | mixed forest                 | dead dicot. wood                                   |            |
| 60    | <i>Psilocybe coprophila</i> (Bull. : Fr.) Quél.  | 1990.   | Nova Petrópolis                             | pasture                      | cattle excrement                                   |            |

Cont. Table 2



Cont. Table 2

|         |  |         |  |                               |  |
|---------|--|---------|--|-------------------------------|--|
| 242     | <i>Psilocybe cubensis</i> (Earle) Singer   | 1991.03 | Piçarras   | pasture                       | cattle excrement                                       |
| 105     | <i>Psilocybe hoogshagenii</i> R.Heim   | 1990.10 | Nova Petrópolis, GSY   |                               | soil between grass                                     |
| 5/6/7 A | <i>Psilocybe zapotecorum</i> R.Heim  | 2002.05 | Nova Petrópolis, property of Sr. Lessi                               | pasture                       | soil   |
| 13'     | <i>Pycnoporus sanguineus</i> (Fr.) Murrill   | 1990.   | Rio Grande do Sul and Santa Catarina                                 |                               | dead dicot. wood                                       |
| 35      | <i>Ramaria toxica</i> L.S.Dominguez & R.H.Petersen                                   | 1990.   | highlands and interior of Rio Grande do Sul and also in Porto Alegre | <i>Eucalyptus</i> plantations | soil, near <i>Eucalyptus</i> sp. (ectomycorrhizal)     |
| 417     | <i>Ramaria</i> cf. <i>reticulata</i> Corner var. <i>reticulata</i>                   | 1992.06 | Nova Petrópolis, Vale Verde  | native forest                 | dead dicot. wood                                       |
| 528     | <i>Resupinatus</i> sp. (subgenus <i>Resupinatus</i> )                                | 1996.11 | Nova Petrópolis, property of Sr. Braun                               | <i>Eucalyptus</i> plantation  | dead wood (with bark) of <i>Eucalyptus robusta</i> Sm. |
| 99      | <i>Rhizopogon</i> sp.  | 1990.04 | Nova Petrópolis  | <i>Pinus</i> plantation       | soil, near <i>Pinus</i> sp. (ectomycorrhizal)          |
| 410     | <i>Rigidoporus congresscens</i> (Mont.) Rajchenb.                                    | 1992.05 | Nova Petrópolis, property of Sr. Hoffmann                            |                               | dead dicot. trunk                                      |
| 584     | <i>Rigidoporus lineatus</i> (Pers.) Ryvarden   | 1993.12 | Nova Petrópolis, property of Sr. Drechsler                           | mixed forest                  | dead dicot. wood (with bark)                           |
| 8'      | <i>Ripartitella brasiliensis</i> (Speg.) Singer                                      | 1993.03 | Nova Pádua   | mixed forest                  | humus  |
| 161     | <i>Russula consobrina</i> (Fr.) Fr.  | 1990.05 | Nova Petrópolis  | <i>Pinus</i> plantation       | soil, near <i>Pinus</i> sp. (ectomycorrhizal)          |
| 95      | <i>Russula</i> sp. A (pileus dark lilac; taste strongly peppery; spore print yellow) | 1990.   | Canela   | <i>Pinus</i> plantation       | soil, near <i>Pinus</i> sp. (ectomycorrhizal)          |
| 179     | <i>Schizophyllum commune</i> Fr. : Fr.   | 1990.   | Nova Petrópolis, GSY   |                               | dead wood  |
| 24      | <i>Scleroderma citrinum</i> Pers. : Pers   | 2000.03 | Nova Petrópolis, property of Sr. Hildebrandt                         | <i>Pinus</i> plantation       | soil, near <i>Pinus</i> sp. (ectomycorrhizal)          |

Cont. Table 2

Cont. Table 2

|       |  |         |                      |                              |  |
|-------|--|---------|----------------------|------------------------------|--|
| 719   | <i>Scleroderma</i> cf.<br><i>verrucosum</i><br>(Bull. : Pers.)<br>Pers.      | 1997.07 | Nova Petrópolis, GSY | pasture                      | soil (ectomycorrhizal)   |
| 466   | <i>Scytinostroma</i> sp.   | 2002.08 | Nova Petrópolis      |                              |  |
| 140   | <i>Simocybe</i> cf.<br><i>tucumana</i><br>Singer                             | 1996.01 | Nova Petrópolis, GSY | secondary forest             | dead wood (with bark) of<br><i>Populus</i> (?A. <i>Mussolini</i> ) |
| 500   | <i>Sphaerobolus</i> sp.<br>A   | 1993.03 | Piçarras             | swampy native<br>forest      | dead petiole of <i>Syagrus</i><br><i>romanzoffiana</i>             |
| 682   | <i>Sphaerobolus</i> sp.<br>A   | 1995.01 | Nova Petrópolis, GSY |                              | board made of <i>Araucaria</i><br><i>angustifolia</i>              |
| 29/30 | <i>Steccherinum</i><br><i>reniforme</i><br>(Berk. &<br>M.A.Curtis)<br>Banker | 2003.01 | Nova Petrópolis, GSY |                              | dead dicot. wood   |
| 413   | <i>Stereum</i> cf.<br><i>hirsutum</i><br>(Willd. : Fr.)<br>Pers.             | 1992.05 | Nova Petrópolis, GSY |                              | dead dicot. wood (with bark)                                       |
| 503A  | <i>Stigmatolemma</i><br>cf. <i>hyalinum</i><br>Singer                        | 1991.08 | Nova Petrópolis      | native forest                | dead dicot. wood   |
| 503   | <i>Stigmatolemma</i><br>sp. A (aff.<br><i>hyalinum</i> )                     | 1993.03 | Piçarras             | swampy native<br>forest      | dead dicot. branch (with bark)                                     |
| 20    | <i>Stiptophyllum</i><br><i>erubescens</i><br>(Berk.)<br>Ryvarden             | 1991.06 | Nova Petrópolis, GSY |                              | dead dicot. wood   |
| 96    | <i>Stropharia</i><br><i>aurantiaca</i><br>(Cooke)<br>P.D.Orton               | 1990.04 | Nova Petrópolis, GSY |                              | sawdust and pieces of wood   |
| 12/13 | <i>Stropharia</i><br><i>aurantiaca</i><br>(Cooke)<br>P.D.Orton               | 2004.04 | Nova Petrópolis, GSY |                              | wood humus of <i>Calliandra</i> sp.                                |
| 262   | <i>Stropharia</i><br><i>rugosoannul</i><br><i>ata</i> (Farl.) ex<br>Murrill  | 1991.04 | Nova Petrópolis, GSY |                              | sawdust of mixed origin  |
| 616   | <i>Suillus</i><br><i>cothurnatus</i><br>Singer                               | 1996.02 | Nova Petrópolis      | pasture with<br><i>Pinus</i> | soil, near <i>Pinus</i> sp.<br>(ectomycorrhizal)                   |
| 89    | <i>Suillus luteus</i> (L.<br>: Fr.)<br>Roussel                               | 1990.   | Nova Petrópolis      | <i>Pinus</i> plantation      | soil, near <i>Pinus</i> sp.<br>(ectomycorrhizal)                   |
| 198   | <i>Trametes elegans</i><br>(Spreng. :<br>Fr.) Fr.                            | 1991.08 | Nova Petrópolis      |                              | dead wood of <i>Carya pecan</i><br>Engl. & Graebn.                 |

Cont. Table 2

Cont. Table 2

|                     |   |         |                                 |   |   |
|---------------------|---|---------|---------------------------------|---|---|
| 37                  | <i>Trametes versicolor</i><br>(L. : Fr.)<br>Pilát                             | 1992.05 | Nova Petrópolis                 | pasture with tree stubs                         | dead stub of dicot. tree                      |
| 61C                 | <i>Trametes villosa</i><br>(Fr.) Kreisel                                      | 2001.09 | Nova Petrópolis, GSY            | plantation of <i>Acacia decurrens</i>           | dead wood                                     |
| 319                 | <i>Tremella fibulifera</i><br>A.Möller, cf.<br><i>T. aurantia</i><br>Schwein. | 1996.07 | Nova Petrópolis                 | native forest                                   | dead wood                                     |
| 2                   | <i>Tremella fuciformis</i><br>Berk.   | 1994.05 | Nova Petrópolis                 |   | heart-wood of <i>Acacia decurrens</i>         |
| 542                 | <i>Tremella philippinensis</i><br>Lloyd                                       | 1993.07 | Nova Petrópolis, GSY            | native forest                                   | dead wood (with bark) of <i>Baccharis</i> sp. |
| -                   | <i>Tremella philippinensis</i><br>(immature material)                         | 2002.04 | Nova Petrópolis, Linha Imperial | native forest                                   | dead petiole of <i>Syagrus romanzoffiana</i>  |
| 405                 | <i>Tricholomopsis</i> sp. (aff. <i>flavescens</i> (Peck) Singer)              | 1994.04 | Nova Petrópolis                 | pasture with <i>Pinus</i>                       | humus   |
| 680                 | <i>Ustilago maydis</i><br>(DC.) Corda   | 1995.01 | Nova Petrópolis, GSY            | corn field                                      | ear of <i>Zea mays</i> L. (corn)              |
| 236                 | <i>Vascellum</i> sp. A  | 1991.03 | Nova Petrópolis                 | pasture with cattle                             | soil  |
| 343                 | <i>Vascellum</i> sp. B  | 1991.12 | Nova Pádua                      | pasture   | soil  |
| 398                 | <i>Vascellum</i> sp. B  | 1992.04 | Nova Petrópolis                 | corn field                                      | soil  |
| 6 <sup>a</sup> -13A | <i>Volvariella bombycina</i><br>(Schaeff. : Fr.) Singer                       | 2004.04 | Nova Petrópolis, GSY            |   | old branch of <i>Acacia decurrens</i>         |
| 376A                | <i>Xeromphalina tenuipes</i><br>(Schwein.)<br>A.H.Sm.                         | 1992.01 | Nova Petrópolis, GSY            | mixed forest                                    | soil  |
| 8                   | <i>Xerula steffenii</i><br>(Rick)<br>Boekhout & Bas                           | 1990.   | Nova Petrópolis                 | plantation of <i>Acacia decurrens</i> + pasture |   |
| 480                 | cf. <i>Eichleriella spinulosa</i><br>(Berk. & M.A.Curtis)<br>Burt             | 1993.02 | Nova Petrópolis, GSY            | secondary forest                                | dead dicot. wood (with bark)                  |
| 25/7                | cf. <i>Elmerina caryae</i><br>(Schwein.)<br>D.A.Reid                          | 2001.08 | Nova Petrópolis, GSY            |   | dead wood (with bark) of <i>Baccharis</i> sp. |

Cont. Table 2

Cont. Table 2

|      |   |         |   |                                       |  |
|------|---|---------|---|---------------------------------------|--|
| 203  | cf. <i>Phlebia deflectens</i> (P.Karst.) Ryvardeen                        | 1990.12 | Nova Petrópolis, Parque Aldeia do Imigrante |                                       | dead dicot. wood   |
| 195A | cf. <i>Rugosospora</i> sp.  | 1997.02 | Nova Petrópolis                             | plantation of <i>Acacia decurrens</i> | soil   |
| 573' | cf. <i>Sirobasidium rubrofuscum</i> (Berk.) P.Roberts (immature material) | 2002.11 | Nova Petrópolis, GSY                        |                                       | hard bark of dying stem of <i>Feijoa (Acca) sellowiana</i> Berg ('feijoa') |

The author abbreviations of taxa follow the *Plant Names Project* (<http://www.ipni.org>) and the names of fungi are mostly in agreement with *Cabi Bioscience and CBS Database of Fungal Names* (<http://www.indexfungorum.org/Names/Names.asp>).

"cf.": determination uncertain;

"aff.": very close to the mentioned species, but apparently different;

"(aff. ...)": very close to the mentioned species, but certainly different.

**Table 3** - Number of collections per substrate and organism.

| Substrate       | Organism                                      | Number of collections |               |
|-----------------|---|-----------------------|---------------|
|                 |   | Ascomycota            | Basidiomycota |
| Hhumus and soil |   | 1                     | 44            |
| Dead insect     | Fly   | 1                     | -             |
| Excrement       | Cattle  | -                     | 5             |
| Parts of plant  | - Native plants:                              |                       |               |
|                 | <i>Baccharis</i> sp.                          | 2                     | 4             |
|                 | Other dicotyledons                            | 40                    | 88            |
|                 | <i>Araucaria angustifolia</i>                 | 2                     | 6             |
|                 | <i>Syagrus romanzoffiana</i>                  | 2                     | 6             |
|                 | Native bamboos                                | 1                     | 1             |
|                 | - Exotic plants:                              |                       |               |
|                 | <i>Acacia decurrens</i>                       | 1                     | 4             |
|                 | <i>Bambusa tuldoides</i>                      | 2                     | 1             |
|                 | <i>Eucalyptus</i> , ectomycorrhizal fungi     | -                     | 4 (or 5)      |
|                 | <i>Eucalyptus</i> , non-ectomycorrhizal fungi | -                     | 3             |
|                 | <i>Pinus</i> , ectomycorrhizal fungi          | -                     | 13 (or 14)    |
|                 | <i>Pinus</i> , non-ectomycorrhizal fungi      | 1                     | 2             |
|                 | (Other) non-native ornamental plants          | 3                     | 4             |
|                 | Cultivated food plants                        | 1                     | 3             |

The majority of collections listed in Table 2 are from secondary native forest. Most of the others are from pure or mixed stands of exotic *Acacia decurrens*, *Pinus* spp. and *Eucalyptus* spp., or are from the author's home garden of ornamental exotic and food plants. Table 3 shows how the collections of Table 2 are distributed over substrate and organism types.

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## RESUMO

São listadas as coletas executadas pelo autor em sete municípios no sul do Brasil, sendo seis no estado de Rio Grande do Sul e um no estado de Santa Catarina. Pertencem à Myxomycota (6 espécies), Ascomycota (54 espécies) e

Basidiomycota (189 espécies). Primeiros registros para o Brasil são aparentemente: *Battarrea phalloides*, *Amanita rubescens*, *Boletus edulis* e *Mycena filipes*, as últimas três encontradas sob espécies de *Pinus*.

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