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Catalogue of the Australian National
Collection of Biodeterioration
Microfungi

F. John Upsher
and
Corinne M. Upsher

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Catalogue of the Australian National Collection of Biodeterioration Microfungi

F. John Upsher and Corinne M. Upsher

**Ship Structures and Materials Division
Aeronautical and Maritime Research Laboratory**

DSTO-GD-0054

ABSTRACT

The Australian National Collection of Biodeterioration Microfungi is held at DSTO-AMRL, Maribyrnong, Vic. For over fifty years, it has been the repository for microfungi from diverse sources, mainly from materials and equipment. It is now a resource for taxonomic and physiological assessment, potential tools in biotechnology and for testing purposes. This is the first published catalogue of the collection.

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Catalogue of the Australian National Collection of Biodeterioration Microfungi

EXECUTIVE SUMMARY

The Australian National Collection of Biodeterioration Microfungi is located at the Maribyrnong site of Aeronautical and Maritime Research Laboratory (AMRL), which is an establishment of the Defence Science and Technology Organisation (DSTO). This collection of microfungi was commenced during World War II when Australian military activity had extended to New Guinea and other parts of the Pacific basin and the effects of hot wet climatic conditions began to take their toll of military materiel. Moulds were destroying tentage and optical equipment as quickly as they could be replaced. Thus the impact of fungal biodeterioration was recorded as a factor in military operations and continues to be a significant factor in deterioration of materiel.

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1. Introduction

The Australian National Collection of Biodeterioration Microfungi is located at the Maribyrnong site of Aeronautical and Maritime Research Laboratory (AMRL), which is an establishment of the Defence Science and Technology Organisation (DSTO). This collection of microfungi was commenced during World War II when Australian military activity had extended to New Guinea and other parts of the Pacific basin and the effects of hot wet climatic conditions began to take their toll of military materiel. Moulds were destroying tentage and optical equipment as quickly as they could be replaced. Thus the impact of fungal biodeterioration was recorded as a factor in military operations.

A working group was immediately formed to look into the problem. The group included some eminent mycologists from the Victorian State Department of Agriculture. The isolation and identification of the offending microfungi commenced at once and the culture collection at Maribyrnong was established. The oldest cultures include some isolates from Wewak and Manus Island in Papua-New Guinea and have now been in continuous culture for over fifty years.

The criteria used in the selection of fungi for inclusion in the collection have not been consistent. The general procedure has been to retain isolates from materials of particular interest, such as fabrics, paints and plastics, or fungi with noteworthy characteristics. In addition there have been experiments to isolate fungi from different environmental situations such as soil and air. Introductions to the collection by different operators have resulted in inconsistencies in the recording of details of some culture origins. For the sake of retaining as diverse a collection as possible, cultures continue to be retained and are included in this catalogue, even when their provenance is uncertain. Many others that were accessed to the collection have either died, for a variety of reasons, or have been deleted to reduce repetition.

One prominent location of origin is AMRL- Innisfail, Queensland. Opening in 1962, it was first known as the Joint Tropical Research Unit (JTRU) and later as the Joint Tropical Trials and Research Establishment (JTTRE). At that site there were several trials to isolate and study tropical microfungi from soil, natural and synthetic materials and from the atmosphere. Prominent genera from those trials include *Cladosporium*, *Curvularia*, and *Penicillium*.

AMRL has been an authority in the assessment of fungal resistance of materials and equipment. It is a repository for cultures for testing according to Australian Standards methods, for International Standardization Organization (ISO) methods and for other international and military standard methods. Cultures for Australian Standard methods are indicated as such in the alphabetical list and are listed separately in Part 6.

A collection of this type is a resource from which fungal strains may be used in future for taxonomic comparison, for evaluating physiological properties, for testing purposes or as potential tools in biotechnology. The cultures are currently available to research establishments or commercial laboratories for exchange or favour; those terms being more expedient than the imposition of formal accounting that would accompany an applied charge.

There are three modes of culture storage in order to satisfy the requirements of rapid access and long term stability. Cultures are held as fully sprouting slopes at ambient and 4°C, as colony sections in distilled water at 4°C and as vacuum-sealed lyophilised spores.

2. Guide to the Catalogue

Names of Fungi

As a consequence of the practical emphasis of the collection, cultures are generally referred to using the anamorphic name which conforms to the asexual (imperfect), diasporic form of the fungus. Only where the ascocarpic (perfect) form is overwhelmingly dominant, as in say *Chaetomium*, is the teleomorph name used.

The Catalogue is arranged in three main parts:

1. Alphabetical list of cultures
2. Numerical list of cultures
3. List of cultures used in resistance testing methods.

Part 1 lists the cultures alphabetically in order of genus and species within the genus. So far as possible, species are listed according to their currently accepted name but where commonly used synonyms are used, those are cross-referred.

Two typical cultures of a species are set out and explained here.

Curvularia senegalensis [1] (Spegazzini) Subramanian [2]
1161 [3] Sisal rope, Innisfail, Qld., J. Upsher 1971 [4]: [5].
1220 [3] Timber, Papua-New Guinea, [4] < CSIRO, E.W.B. Da Costa [6] =
#NG209B [7]

- [1] Name, anamorphic binomial.
- [2] Author(s) who first named and described the species.
- [3] AMRL collection accession number.
- [4] Isolation details - substratum, location, isolator/depositor, date of accession.
- [5] Where a culture requires special media or culture conditions, these are noted here. Otherwise, it should be understood that cultures are mesophilic and will grow on non-selective mycological culture media.

- [6] (<) details of where the culture was obtained if from another collection or institution.
 [7] (=) numbers applied to this strain when placed with other collections.

The following institutions are referred to in the catalogue by their acronyms. They are:

ATCC	American Type Culture Collection, Rockville, Maryland, 20852, USA
CBS	Centraalbureau voor Schimmelcultures, Oosterstraat 1, PO Box 273, 3740 AG Baarn, Netherlands
DPIQ	Department of Primary Industry, Indooroopilly, Queensland, 4068.
IMI	International Mycological Institute, Bakeham Lane, Englefield Green, Egham, Surrey, TW20 9TY, UK.
WADA	Department of Agriculture Western Australia, Jarrah Road, S. Perth, WA 6151.
WAR	Wisconsin Alumni Research, Madison, Wisconsin, USA.

3. Acknowledgements

The authors/compiler of this catalogue wish to acknowledge as many as possible of the people who have contributed to the collection in various ways since its inception. The earliest records, we believe, only indicate the leading contributors, George Wade, Frank Crook, G.A.A. (George) Atkins, Anne Goldie, E Brookfield and 'HLJ'.

Since 1960, there has been a greater degree of continuity and it is possible to list all of those who worked on the collection at one time or another. These include W.R. (Rob) Hindson, L.E. (Lois) Lissner, Roy Bird, P.J. (Peter) Jackson, H.G. (Harry) Sokol, Tom Keen, Stewart Andrews, and C.R. (Cath) Powell. We wish also to acknowledge the input of the eminent mycologist, the late Dr. H.J. (Hari) Swart of Melbourne University who helped (JU) with identifications when Innisfail was the source of species seen for the first time.

Then there are the many who have contributed specimens, either arising from DSTO projects, from interesting 'mouldy' specimens or from the official business of some other company or research organization including notably, CSIRO. Our colleagues at AMRL, Innisfail, Queensland have contributed in many ways to the collection, none more than Wade Hoskins. Otherwise, there are too many to name individually but their contributions remain for posterity.

John and Corinne Upsher

4. Alphabetical List of Cultures

Acremoniella atra (Corda) Saccardo

1290 Timber, Maribyrnong, Vic., J. Upsher, 1975.

Acremoniula sarcinellae (Patouillard & Hariot) Arnaud ex Deighton

1656 Atmosphere, Innisfail, Qld., J. Upsher, 1992.

Acremonium implicatum (Abbott) Gams

1062 PVC, Innisfail, Qld., J. Upsher, 1971. = IMI 156892.

1065 PVC, Innisfail, Qld., J. Upsher, 1971. = IMI 156893.

Actinonema Fresenius

1288 Sealant, polyester, Innisfail, Qld., J. Upsher, 1975.

Alternaria Nees ex Fries

450 Paint film, AMRL, 1964.

649 Atmosphere, Innisfail, Qld., J. Upsher, 1967.

840 Garments, Malaysia, J. Upsher, 1969.

860 Cotton-polyester caravan annex, Bradmill Pty. Ltd., Yarraville, Vic., H. Sokol, 1969.

1013 Paper bottle label, AMRL, H. Sokol, 1970.

1055 Nylon rope on life raft, Beaufort Pty. Ltd., Melbourne, Vic., J. Upsher, 1971.

1066 Paint film on wood, Altona, Vic., J. Upsher, 1971.

1108 Glass-reinforced plastic, Innisfail, Qld., J. Upsher, 1972.

1126 Cotton fabric, Nylex Pty. Ltd., Mentone, Vic., P. Jackson, 1972.

1244 Viscose fabric in handbag, Taiwan, C. Powell, 1975.

1275 Flax canvas, Cloncurry, Qld., J. Upsher, 1975.

1321 Cotton fabric treated with pentachlorophenyl laurate, Innisfail, Qld., C. Powell, 1975.

1329 Cotton fabric treated with pentachlorophenyl laurate, Innisfail, Qld., C. Powell, 1975.

1343 Life raft valise, HMAS Lonsdale, J. Upsher, 1976.

1361 Cotton-polyester caravan annex, Bradmill Pty. Ltd., Yarraville, Vic., J. Upsher, 1976.

1384 Cotton-polyester duck, rotproofed, Bradmill Pty. Ltd., Yarraville, Vic., J. Upsher, 1978.

1405 Cotton canvas, Brella Pty. Ltd., Reservoir, Vic., J. Upsher, 1981.

1425 PVC-coated camouflage net, NZ Army, J. Upsher, 1984.

1680 Unknown origin, 1988.

Alternaria alternata (Fries) Keissler

79 Paint, Phoenix Biscuit Co., Port Melbourne, Vic., 1948.

Alternaria cheiranthi (Libert) Bollé

1128 Laboratory contaminant, AMRL, P. Jackson, 1973.

Alternaria radicina Meier, Dreschler & Eddy

- 523 Atmosphere, Maribyrnong, Vic., J. Upsher, 1966. = IMI 362749. Test culture for AS 1157.

Alysidium Kunze ex Steudel

- 853 Atmosphere, Innisfail, Qld., J. Upsher, 1969.
928 Atmosphere, Innisfail, Qld., J. Upsher, 1969. = IMI 45533.

Amorphotheca resiniae Parbery. See *Hormoconis resiniae**Arthrimum phaeospermum* (Corda) Ellis

- 564 Diesel fuel, AMRL, E. Brookfield, 1965.

Arthrimum sacchari (Spegazzini) Ellis

- 823 Atmosphere, Innisfail, Qld., R. Bird, 1969.

Aspergillus Micheli ex Link

- 281 Paint film, ABR, 1958.
431 PVC-coated hessian, J. Upsher, 1967.
634 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
702 Safety fuses, ICIANZ, Deer Park, Vic., J. Upsher, 1968.
771 Atmosphere, Innisfail, Qld., J. Upsher, 1968
883 Rubber, S.A. Rubber Pty. Ltd., SA., R. Bird, 1969.
967 Laboratory contaminant, 1970.
993 Dried prune, J. Upsher, 1970.
1246 Viscose fabric in handbag, Taiwan, C. Powell, 1975.
1311 Silicone rubber, Innisfail, Qld., J. Upsher, 1975.
1347 Cotton valise for life raft, HMAS Lonsdale, Vic., J. Upsher, 1976.
1696 Water bath with ethylene glycol additive, C. Upsher, 1994

Aspergillus amstelodami (Mangin) Thom & Church

- 425 < Melbourne University, Botany Dept., 1961.
1418 < ATCC, 1983.

Aspergillus awamori Nakazima

- 519 Leather boot, Vietnam, J. Upsher, 1966. Test culture for AS 1157.

Aspergillus candidus Link

- 60 Nylon parachute fabric, AMRL, G. Wade, 1944.
709 Laboratory contaminant, L. Lissner, 1968.
882 Rubber, S.A. Rubber Pty. Ltd., S.A., 1969

Aspergillus carneus Blockwitz

- 193 Substrate unknown, Manus Island, Papua-New Guinea, G. Atkins, 1957.
219 Paint film, Fiji, 1958.

Aspergillus chevalieri Mangin

- 108 Laboratory contaminant, AMRL, F. Crook, 1949.
- 384 Laboratory contaminant, AMRL, G. Atkins, 1960

Aspergillus fischeri Wehmer

- 813 Waxed cardboard ration boxes, AMRL, J. Upsher, 1969.

Aspergillus fischeri var spinosus Wehmer

- 439 Wax-coated battery, AMRL, A. Goldie, 1962. = IMI 156868.

Aspergillus flavipes (Bainier & Sartory) Thom & Church

- 194 Substrate unknown, Manus Island, Papua-New Guinea, G. Atkins, 1957.
- 1270 Laboratory contaminant, AMRL, 1975.

Aspergillus flavus Link

- 5 Leather boot insole, Papua-New Guinea, G. Wade, pre-1944. = IMI 362747.
Test culture for AS 1157.
- 133 Cotton canvas, Italy, R. Hindson, 1952.
- 137 Leather binocular case, Manus Island, Papua-New Guinea, W.R. Hindson, 1952.
- 429 PVC-coated hessian, Wewak, Papua-New Guinea, A. Goldie, 1962.
- 468A Atmosphere, Innisfail, Qld., R. Hindson, 1965.
- 545 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
- 809 Waxed cardboard ration boxes, J. Upsher, 1969.
- 871 Safety fuses, ICIANZ, Deer Park, Vic., R. Bird, 1969.
- 923 < IMI 91096, 1969.
- 1355 Cardboard, Procter & Gamble, Cincinnati, Ohio, USA, < WAR, 1976.
- 1683 Fan in galley, HMAS Otway, C. Upsher, 1993.

Aspergillus foetidus Thom & Raper

- 469 Atmosphere, Innisfail, Qld., J. Upsher, 1966
- 1420 Unknown origin.

Aspergillus fumigatus Fresenius

- 90 Cotton canvas after soil burial, AMRL, 1948.
- 479 Atmosphere, Innisfail, Qld., R. Hindson, 1965.
- 720 Polyurethane-coated nylon mattress cover, Malaysia, J. Upsher, 1968.
- 756 Cellophane in soil, Innisfail, Qld., J. Upsher, 1968.
- 759 *Iris* rhizome, Melbourne, Vic., J. Upsher, 1969.
- 951 Painted wooden trolley, AMRL, J. Upsher, 1969.
- 1034 Rifle hand guard, wood-laminate, AMRL, Alexandria, NSW., J. Upsher, 1970.
- 1097 Polyurethane foam, after soil burial, AMRL, J. Upsher, 1972.
- 1682 Fan in galley, HMAS Otway, C. Upsher, 1993.

Aspergillus glaucus Link

- 46 Paper gasket, AMRL, G. Wade, pre-1944.
 438 PVC-coated hessian, Wewak, Papua-New Guinea, A. Goldie, 1962.
 1056 Cotton valise for liferaft, Beaufort Pty. Ltd., Melbourne, Vic., J. Upsher, 1971.
 1102 Avtur fuel, Lae, Papua-New Guinea, J. Upsher, 1972.
 1673 Leather, Microtech Pty. Ltd., Box Hill, Vic., D. Comar, 1993.
 1684 Air, wardroom, HMAS Otway, C. Upsher, 1993.
 1688 Air, wardroom, HMAS Otway, C. Upsher, 1993.

Aspergillus granulosis Raper & Thom

- 475 Atmosphere, Innisfail, Qld., R. Hindson, 1965.

Aspergillus heteromorphus Batista & Maia

- 1010 Timber, Innisfail, Qld., J. Upsher, 1970.

Aspergillus japonicus Saito

- 1009 Timber, Innisfail, Qld., J. Upsher, 1970.

Aspergillus luchuensis Inui

- 196 Substrate unknown, Manus Island, Papua-New Guinea, G. Atkins, 1957.

Aspergillus quercinus (Bainier) Church & Thom

- 189 Cotton canvas, G. Atkins, 1957.
 1654 Leather, Microtech Pty. Ltd., Box Hill, Vic., D. Comar, 1993.

Aspergillus niger van Tieghem

- 4 Leather boot, Papua-New Guinea, G. Wade, pre-1944.
 58 Canvas, copper-treated, G. Wade, pre-1944.
 72 Canvas, Papua-New Guinea, G. Wade, pre-1944. = IMI 362746. Test culture for AS 1157, AS 1099 and AS 2358.
 132 Radio case, AWA Laboratories, Sydney, NSW., < L.Fraser, 1952.
 135 Leather binocular case, Manus Island, Papua-New Guinea, R. Hindson, 1952.
 248 Raw cotton, Portland, Vic., G. Atkins, 1957.
 252 Paint film, G. Atkins, 1957.
 255 Paint film, G. Atkins, 1957.
 428 PVC-coated hessian, Wewak, Papua-New Guinea, A. Goldie, 1962.
 561 Avtur fuel, AMRL, L. Lissner, 1966.
 760 *Iris* rhizome, Melbourne, Vic., J. Upsher, 1969.
 870 Safety fuses, ICIANZ, Deer Park, Vic., R. Bird, 1969.
 879 Rubber, SA Rubber Pty. Ltd., SA., R. Bird, 1969.
 920 Origin unknown, 1969. = IMI 17454.
 949 Painted wooden trolley, AMRL, J. Upsher, 1969.
 1356 Cardboard, Procter & Gamble, Cincinnati, OH., USA, < WAR, 1976.
 1681 Fan in galley, HMAS Otway, C. Upsher, 1993.

Aspergillus ornatus Samson & Gams

- 598 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
- 855 Crumpet, Wallace Parker Pty Ltd., Vic., J. Upsher, 1969.
- 1392 Tarpaulin from Scorpion tank gun turret, UK., J. Upsher, 1979.

Aspergillus orzae (Ahlburg) Cohn

- 85 Unknown origin, 1948.
- 129 Flax canvas, James Miller Pty Ltd., Vic., F. Crook, 1950.

Aspergillus penicilloides Spegazzini

- 143 Laboratory contaminant, R. Hindson, 1952.

Aspergillus phoenicus (Corda) Thom

- 233 Bean seed, G. Atkins, 1957.
- 811 Waxed cardboard ration box, J. Upsher, 1969.

Aspergillus proliferans Smith

- 214 Cotton canvas, G. Atkins, 1957.

Aspergillus repens de Bary

- 65 Respirator canister, G. Wade, pre-1944.
- 103 Electrical equipment, Papua-New Guinea, HLJ, pre-1944.

Aspergillus restrictus Smith

- 749 Cellophane in soil, Innisfail, Qld., J. Upsher, 1968.

Aspergillus sulphureus (Fresenius) Wehmer

- 59 Nylon parachute fabric, G. Wade, pre-1944.

Aspergillus sydowi (Bainier & Sartory) Thom & Church

- 374 Fig jam, G. Atkins, 1960.
- 591 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
- 713 Laboratory contaminant, 1968.
- 1048 Flax canvas valise for life raft, RAN, J. Upsher, 1970.

Aspergillus tamaris Kita

- 430 PVC-coated hessian, Wewak, Papua-New Guinea, A. Goldie, 1962.
- 443 PVC-coated hessian, Innisfail, Qld., A. Goldie, 1963.
- 701 Safety fuse, ICIANZ, Deer Park, Vic., J. Upsher, 1968.

Aspergillus terreus Thom

- 172 Substrate unknown, Manus Island, Papua-New Guinea, G. Atkins, 1956.
- 546 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
- 746 Cellophane in soil, Innisfail, Qld., J. Upsher, 1968.
- 757 Cellophane in soil, Innisfail, Qld., J. Upsher, 1968. Test culture for AS 1099.
- 954 Coated nylon fabric, H. Sokol, 1969.
- 992 Dried prune, J. Upsher, 1970.

Aspergillus terreus var *aureus* Thom & Raper

- 268 Bread, G. Atkins, 1958.

Aspergillus terricola Marchal

- 807 Crumpet, Wallace Parker Pty. Ltd., Vic., J. Upsher, 1969.

Aspergillus ustus (Bainier) Thom & Church

- 91 Cotton canvas, treated with phenyl mercuric acetate, F. Crook, 1948.
179 Laboratory contaminant, AMRL, G. Atkins, 1956.
435 PVC-coated hessian, Wewak, Papua-New Guinea, A. Goldie, 1962.

Aspergillus versicolor (Vuillemin) Tiraboschi

- 164 Substrate unknown, Manus Island., Papua-New Guinea, G. Atkins, 1956.
445 PVC-coated hessian, Innisfail, Qld., 1964.
931 < IMI 49124, 1969.
1391 PVC-coated battery cable, 1979.
1686 Air duct, wardroom, HMAS Otway, C. Upsher, 1993.
1671 Leather, Microtech Pty. Ltd., Box Hill, Vic., D. Comar, 1993.

Aspergillus wentii Wehmer

- 177 Substrate unknown, Manus Island, Papua-New Guinea, G. Atkins, 1956.

Aureobasidium pullulans (de Bary) Arnaud

- 454 Substrate unknown, AMRL, H. Sokol, 1968. Test culture for AS 1099.
488 Acrylic paint panel, Innisfail, Qld., J. Upsher, 1966.
542 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
740 Atmosphere, Cloncurry, Qld., J. Upsher, 1968.
963 Laboratory contaminant, AMRL, 1970.
1020 Fuel, AMRL, Maribyrnong Vic., G. McVea, 1970.
1315 Cotton fabric treated with pentachlorophenyl laurate, Innisfail, Qld., J. Upsher, 1975.
1348 Cotton valise for life raft, HMAS Lonsdale, Vic., J. Upsher, 1976.
1385 Cotton/polyester fabric, Bradmill Pty. Ltd., Yarraville, Vic., J. Upsher, 1978.

Bipolaris Shoemaker

- 684 Cotton fibre, R. Bird, 1968.

Botryodiplodia Saccardo

- 1217 Timber, < B. DaCosta, CSIRO, Forest Products Div., Clayton, Vic., 1973.
1226 Timber, < B. DaCosta, CSIRO, Forest Products Div., Clayton, Vic., 1973.

Botrytis Micheli ex Fries

- 1279 Polychloroprene rubber, Innisfail, Qld., J. Upsher, 1975.

Botryotrichum Saccardo & Marchal

- 1079 Laboratory contaminant, AMRL, 1972.

Byssochlamys fulva Olliver & Smith. (Perfect form of *Paecilomyces varioti*)

- 366 Boot on toy doll, G. Atkins, 1960.
897 Press-board carton, J. Upsher, 1969.

Cephalophora tropica Thaxter

110 Paint panel, F. Crook, 1949.

Cephalosporium Corda

1015 Timber, Innisfail, Qld., J. Upsher, 1970.

1352 Cotton valise for life raft, HMAS Lonsdale, Vic., J. Upsher, 1976.

1590 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1986.

Cercospora Fresenius

1378 Cellophane, Innisfail, Qld., J. Upsher, 1978.

Chaetomium Kunze ex Fries

846 Cotton garments, Malaysia, J. Upsher, 1969.

864 Cotton polyester canvas, J. Upsher, 1969.

873 Cotton polyester canvas, J. Upsher, 1969.

874 Cotton polyester canvas, J. Upsher, 1969.

1223 Timber, CSIRO, Forest Products Div., Clayton, Vic., < B..DaCosta, 1973.

1243 Viscose fabric in handbag, Taiwan, C. Powell, 1975.

1248 Laboratory contaminant, AMRL, C. Powell, 1975.

1316 Silicone rubber, Innisfail, Qld., C. Powell, 1975.

1345 Cotton valise for life raft, HMAS Lonsdale, Vic., C. Powell, 1976.

1386 Life raft, Dept.of Transport, C. Powell, 1978.

Chaetomium bostrychodes Zopf

862 Cotton-polyester canvas, H. Sokol, 1969.

Chaetomium globosum Kunze ex Fries

24 Cotton respirator haversack, Papua-New Guinea, G. Wade, pre-1944.

74 < USDA #1042.4. Test culture for AS 1157.

635 Cotton fabric, Indian Army, Kanpur, India, < V. Agarwal, 1968.

798 Cotton garments, Malaysia, H. Sokol, 1968.

917 < IMI 1603, 1969.

1199 Leather shoes, Albert Park Barracks, Vic., 1973.

Chaetomium indicum Corda

411 Avtur fuel, Army Quality Evaluation, Mascot, NSW., G. Atkins, 1961.

Chaetomium olivaceum Cooke & Ellis

622 Lubricating oil, H. Sokol, 1968.

717 Cotton duck, Innisfail, Qld., J. Upsher, 1968.

Chaetomium spinosum Chivers

1272 Polyester sealant #5146, Innisfail, Qld., J. Upsher, 1975.

Chaetomium subterraneum Swift & Povah

522 Avtur fuel, AMRL, J. Upsher, 1966.

Chaetomium tortile Bainier

1241 Polyester aircraft sealant, J. Upsher, 1974.

Chloridium Link ex Fries

1658 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1986

Chrysosporium Corda

1183 Avtur fuel, Richmond Air Base, NSW., J. Upsher, 1974.

1213 Cotton tent fabric, Snake Valley, Vic., P. Jackson, 1973.

Chrysosporium keratinophilum Corda

668 Atmosphere, Innisfail, Qld., J. Upsher, 1967.

Cladosporium Link ex Fries

595 Atmosphere, Innisfail, Qld., J. Upsher, 1967.

797 Cotton garments, Malaysia, J. Upsher, 1968.

818 Paper label, Innisfail, Qld., J. Upsher, 1969.

836 Cotton garments, Malaysia, J. Upsher, 1969.

910 Atmosphere, Innisfail, Qld., J. Upsher, 1969.

979 Atmosphere, Innisfail, Qld., J. Upsher, 1970.

991 Atmosphere, Innisfail, Qld., J. Upsher, 1970.

1021 Atmosphere, Maribyrnong, Vic., J. Upsher, 1970.

1042 Copper-chrome-arsenate-treated timber, Innisfail, Qld. (CSIRO trial),
J. Upsher, 1970.

1109 < AMRL, Innisfail, Qld., 1972.

1110 < AMRL, Innisfail, Qld., 1972.

1113 Polyurethane, Innisfail, Qld., 1972.

1114 Polyurethane, Innisfail, Qld., 1972.

1115 Polyurethane, Innisfail, Qld., 1972.

1116 Polyurethane, Innisfail, Qld., 1972.

1117 Polyurethane, Innisfail, Qld., 1972.

1118 Polyurethane, Innisfail, Qld., 1972.

1119 Polyurethane, Innisfail, Qld., 1972.

1120 Polyurethane, Innisfail, Qld., 1972.

1132 'Mewlon' canvas, Brella Pty. Ltd., Reservoir, Vic., 1973.

1253 Spider web on glass-reinforced plastic, Innisfail, Qld., J. Upsher, 1975.

1339 Laboratory contaminant, AMRL, 1976.

1370 Acrylic paint film, Innisfail, Qld., J. Upsher, 1978.

1374 Cotton duck, Innisfail, Qld., J. Upsher, 1978.

1375 Cellophane, Innisfail, Qld., J. Upsher, 1978.

1376 Alkyd paint, Innisfail, Qld., J. Upsher, 1978.

1571 Atmosphere, Innisfail, Qld., J. Upsher, 1978.

1576 Atmosphere, cleared site, Innisfail, J. Upsher, Qld., 1985.

1601 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1985.

1611 Atmosphere, cleared site, Qld., J. Upsher, 1985.

1651 Atmosphere, Innisfail, Qld., J. Upsher, 1985.

Cladosporium chlorocephalum (Fresenius) Mason & Ellis.

1390 Cellophane, Innisfail, Qld., J. Upsher, 1979.

Cladosporium cladosporioides (Fresenius) de Vries

1216 Laboratory contaminant, AMRL, C. Powell, 1974.

1568 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1985.

- 1578 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1985.
 1583 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1985.
 1598 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1985.
 1602 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1985.
 1662 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1985.
 1667 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1985.

Cladosporium elatum (Harz) Nannfeldt

- 976 Paper, bottle label, Innisfail, Qld., J. Upsher, 1967.

Cladosporium herbarum (Persoon) Link

- 446 PVC-coated hessian, Innisfail, Qld., L. Lissner, 1964.
 1335 *Azalea* leaf, Sunshine, Vic., 1976.

Cladosporium resinae (Lindau) de Vries, see *Hormoconis resinae**Cladosporium resinae* forma *avellaneum* de Vries, see *Hormoconis resinae**Cladosporium sphaerospermum* Penzig

- 805 Paper, Innisfail, Qld., J. Upsher, 1968.
 1259 Polyester sealant, Innisfail, Qld., J. Upsher, 1975
 1319 Cotton fabric treated with pentachlorophenyl laurate, Innisfail, Qld., J. Upsher, 1985.
 1567 Atmosphere, Innisfail, Qld., J. Upsher, 1985.
 1570 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1985.
 1676 Paint film, Innisfail, Qld., J. Upsher, 1985.

Cochliobolus bicolor Paul & Parbery

- 1135 Laboratory contaminant, AMRL, P. Jackson, 1973.

Conioscypha Höhnel

- 1550 Substrate unknown, Innisfail, Qld., J. Upsher, 1985.

Coniothyrium fuckelii Saccardo

- 861 Cotton caravan annex, Bradmill Pty. Ltd., Yarraville, Vic., J. Upsher, 1969. = IMI 147973
 987 Timber, < CSIRO, Forest Products Div., Clayton, Vic., B. DaCosta, 1970.

Cunninghamella Matruchot

- 774 Atmosphere, Innisfail, Qld., J. Upsher, 1968.

Curvularia Boedijn

- 768 Atmosphere, Innisfail, Qld., 1968.
 1143 Sorghum, Kununurra, WA. < WADA, #165, 1973. = IMI 11265.
 1149 Sorghum, Kununurra, WA. < WADA, #635, 1973. = IMI 13315.
 1151 *Digitaria* sp., Perth, WA. < WADA, #1346, 1973. = IMI 15028.
 1155 < IMI 114819, 1973.
 1189 Soil, Kalgoorlie, WA., 1958 [Mycologia, 57,(2):210. 1965]. < Royal North Shore Hospital, NSW., D. Frey, 1973.

- 1194 White clover, Maitland NSW., 1962. < University of Sydney, #188, P. Valder, 1973.
- 1207 Caterpillar gut, Maribyrnong, Vic., J. Upsher, 1973.
- 1209 *Poa* sp, NSW, (G. Sansom), P. Jackson, 1973.
- 1211 Cotton-polyester canvas (P6), exposed 2 years, Innisfail, Qld., (C50), P. Jackson, 1973.
- 1235 Rubber (EPDM), "O" ring, Innisfail, Qld., (C59), P. Jackson, 1974.
- 1238 Rubber "O" ring, exposed 18 months, Innisfail, Qld., (C61) P. Jackson, 1974.
- 1239 Cotton duck, Cloncurry, Qld., P. Jackson, (C63), 1974.
- 1263 Polyester sealant #5146, Innisfail, Qld., J. Upsher, 1975.
- 1301 Avtur fuel, Butterworth Air Base, Malaysia, P. Jackson, 1973.
- 1302 Cotton tent fabric, Snake Valley, Vic., (C53), P. Jackson, 1973.
- 1304 Avtur fuel, Butterworth Air Base, Malaysia, (C54), P. Jackson, 1974.
- 1312 Cotton fabric treated with pentachlorophenyl laurate, Innisfail, Qld., C. Powell, 1975.
- 1314 Cotton fabric treated with pentachlorophenyl laurate, Innisfail, Qld., C. Powell, 1975.
- 1340 Cotton fabric treated with pentachlorophenyl laurate, Innisfail, Qld., C. Powell, 1975.
- 1404 Cotton-polyester canvas, Brella Pty. Ltd., Reservoir, Vic., J. Upsher, 1981.
- 1609 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1986

Curularia affinis Boedijn

- 1085 < IMI 58645, 1972.
- 1162 Sisal rope, (C7), Innisfail, Qld., J. Upsher, 1971.
- 1204 Polyethylene rope (R6), exposed 10 months, Innisfail, Qld., (C46), P. Jackson, 1972.
- 1395 Canvas, Innisfail, Qld., J. Upsher, 1980.

Curularia brachyspora Boedijn

- 1083 *Brachyspora dactyla*, Perth, WA., < IMI 150289.
- 1188 PVC tape (2K), exposed 2 years, Innisfail, Qld., (C37), T. Keen, 1972.
- 1276 Flax canvas, Cloncurry, Qld., J. Upsher, 1975.

Curularia cantenulata Reddy & Bilgrami

- 1175 *Lagerstroemia indica*, Jodhpur, India, Bilgrami and Ranzoni. < IMI 129295. Type strain.

Curularia clavata Jain

- 1088 *Oryza sativa*, Denmark, S.B. Mathur. < IMI,148186. = ATCC 34596.
- 1142 Sorghum, Kununurra, WA., 1973. < WADA, #164, 1973. = IMI 112637.
- 1192 Soil, DeeWhy, NSW., 1962, < Sydney University #49, P. Valder, 1973.

Curularia eragrostidis (Hennings) Meyer

- 531 Cotton fabric, Innisfail, Qld., J. Upsher, 1966.
- 806 Atmosphere, Innisfail, Qld., J. Upsher, 1968.
- 1081 Avtur fuel, Butterworth, Malaysia, (C32), G. McVea, 1972.
- 1092 < IMI 62337, 1972. = ATCC 34597.
- 1140 Sorghum, Kununurra, WA., < WADA, #161, 1973. = IMI 112208.

- 1167 *Psalliota* basidiocarp, Snake Valley, Vic., P. Jackson, 1973.
 1168 Cotton-polyester duck (CP8 B1) exposed 4 years, Innisfail, Qld., (C13), J. Upsher, 1972.
 1172 Sisal rope (R5), exposed 5 months, Innisfail, Qld., (C17), J. Upsher, 1972.
 1173 Polypropylene rope (R7), exposed 5 months, Innisfail, Qld., (C18), J. Upsher, 1972.
 1174 Plasticised PVC tape, exposed 1.5 years, Innisfail, Qld., (C19), J. Upsher, 1972.
 1182 Plasticised PVC tape, Innisfail, Qld., (C29), J. Upsher, 1972.
 1198 Plasticised PVC tape, exposed 2.5 years, Innisfail, Qld., (C44), J. Upsher, 1973.
 1210 Canvas duck (P7), exposed 2 years, Innisfail, Qld., P. Jackson, 1973.
 1262 Polyester sealant, Innisfail, Qld., J. Upsher, 1975.

***Curoularia fallax* Boedijn**

- 1084 *Pothomorphe peltata* Trinidad, G.J. Turner, 1960. < IMI 79737. = ATCC 34598.

***Curoularia geniculata* (Tracy & Earle) Boedijn**

- 1154 < IMI 14819, 1973.

***Curoularia harveyi* Shipton**

- 1145 Wheat, Milng, WA., H.L. Harvey. < WADA, #227, 1973. = IMI 114257, Type strain.

***Curoularia inaequalis* (Shear) Boedijn**

- 816 Atmosphere, Innisfail, Qld., J. Upsher, 1969.
 1091 < IMI 78037a. = ATCC 34597.
 1203 Laboratory contaminant, (C45), AMRL, 1973.
 1396 Canvas, Innisfail, Qld., J. Upsher, 1980.

***Curoularia intermedia* Boedijn**

- 1191 < University of Sydney #47, P. Valder, 1973. = ATCC 12331.

***Curoularia lunata* (Wakker) Boedijn**

- 497 Fuel, AMRL, J. Upsher, 1966.
 1080 Dieso fuel, (C20), AMRL, 1972.
 1093 < IMI 77007, 1972. = ATCC 34600
 1100 Avtur fuel, Lae, Papua-New Guinea, (C27), J. Upsher, 1972.
 1184 Sisal rope (R5), exposed 8 months, Innisfail, Qld., (C31), P. Jackson, 1972.
 1190 Laboratory contaminant, 1972.
 1236 Rubber (neoprene) "O" Rings, Innisfail, Qld., (C60), P. Jackson, 1974.

***Curoularia lunata* var. *aeria* Batista, Lima & Vasconcelos**

- 1150 Sorghum, Kununurra, WA. < WADA, #617, 1973. = IMI 134356.
 1152 < IMI 11231, 1973.

***Curoularia oryzae* Bugnicourt**

- 1089 *Oryza sativa*, Poona, India, G.W. Dhanda, 1972. < IMI 160069. = ATCC 34601.

***Curoularia ovoidea* (Hiroe & Watanabe) Muntañola**

- 1222 Timber, < CSIRO, Forest Products Div., Clayton, Vic., B. DaCosta, 1973.

Curvularia pallescens Boedijn

- 650 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
 1086 < IMI 62485, 1972.
 1148 *Echinochloa sp.*, Kununurra, WA., < WA. Dept. Agr. #331 = IMI 11809. 1973.
 1158 Cotton fabric, Innisfail, Qld., (C3), J. Upsher, 1970.
 1169 Painted metal panel (70E4), exposed 14 months, Innisfail, Qld., J. Upsher, 1971.
 1264 Polyester sealant, Innisfail, Qld., J. Upsher, 1975.
 1282 Polyester sealant, Innisfail, Qld., J. Upsher, 1975.

Curvularia penniseti (Mitra) Boedijn

- 1147 Sorghum, Kununurra, WA. < WADA, # 322, 1983. = IMI 11808.

Curvularia prasadii Mathur & Mathur

- 1082 Avtur fuel, Butterworth, Malaysia, G. McVea, (C33), 1972.
 1087 *Coffea arabica*, Kenya, R.M. Nattrass 1958. < IMI 73295, 1972. = ATCC 34602.
 1101 Avtur fuel, Lae, Papua-New Guinea, (C28), P. Jackson, 1972.
 1146 Subclover. < WADA, # 315, = IMI 117555, 1973.
 1177 Substrate unknown, Innisfail, Qld., 1972.
 1187 Plasticised PVC tape (IKA), exposed 2 years, Innisfail, Qld., (C34), T. Keen, 1972.

Curvularia richardiae Alcorn

- 1359 *Richardia brasiliensis*, Peregian Beach, < DPIQ, J. Alcorn 1976. = IMI 276556, type strain.

Curvularia senegalensis (Spegazzini) Subramanian

- 442 PVC-coated hessian, Innisfail, Qld., J. Upsher, 1963.
 465 Atmosphere, Innisfail, Qld., L. Garrod, 1965.
 683 Atmosphere, Innisfail, Qld., R. Bird, 1968.
 685 Atmosphere, Innisfail, Qld., 1968. R. Bird,
 825 Atmosphere, Innisfail, Qld., J. Upsher, 1969.
 1090 < IMI 80285b, 1972.
 1121 Sisal rope (R6) exposed 10 months, Innisfail, Qld., P. Jackson, 1972.
 1156 Atmosphere, cleared site, 0830 hrs, (C2), Innisfail, Qld., J. Upsher, 1970.
 1157 Atmosphere, cleared site, 0830 hrs, (C3), Innisfail, Qld., J. Upsher, 1970.
 1159 Nylon fabric after 6 months wet storage in jungle, (C4), Innisfail, Qld., J. Upsher, 1971.
 1161 Sisal rope (R5), exposed for 2.5 years, (C6), Innisfail, Qld., J. Upsher, 1971.
 1163 Polyethylene rope (R6), exposed for 2.5 years, (C8), Innisfail, Qld., J. Upsher, 1971.
 1164 Polypropylene rope, (R14) exposed for 2.5 years, (C9), Innisfail, Qld., J. Upsher, 1971.
 1170 Painted (grey) wood panel, exposed 3.5 years, (C15), Innisfail, Qld., J. Upsher, 1972.
 1171 Cotton-polyester duck (CP11), exposed 5 years, (C16) Innisfail, Qld., J. Upsher, 1972.
 1178 Cotton fabric, Innisfail, Qld., H. Sokol, 1972
 1179 Sisal rope (R5), exposed 6 months, Innisfail, Qld., (C24), J. Upsher, 1972.
 1180 Sisal rope, AMRL, Maribyrnong, Vic., (C25), R. Krolik, 1972.

- 1185 PVC-coated tape (C34),exposed 2 years, Innisfail, Qld., T. Keen, 1972.
- 1220 Timber, Papua-New Guinea, B. DaCosta, < CSIRO #NG209B, 1973.
- 1237 Cotton duck, Cloncurry, Qld., (C62), P. Jackson, 1974.

Curularia tritici Kumar & Nema

- 1193 (C42), < University of Sydney, # 66, P. Valder, 1973. = IMI 175441

Curularia uncinata Bugnicourt

- 1297 Polychloroprene rubber after 18 months exposure, Innisfail, Qld., C. Powell, 975.

Curularia verruculosa Tandon & Bilgrami

- 1139 Wheat, Wagga Wagga, NSW. < WADA, #115, 1973.
- 1141 Sorghum, Kununurra, WA. < WADA, #162, 1973. = IMI 11220.
- 1144 Wheat, Nembudding, WA. < WADA, #190, 1973. = IMI 11323.

Dactylaria Saccardo

- 1592 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1985.

Dendryphiella Babak & Ranojevic

- 1593 Substrate unknown, Innisfail, Qld., J. Upsher, 1985.
- 1615 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1986.

Didymobotryum Saccardo

- 1273 Polyester sealant #5106, Innisfail, Qld., J. Upsher, 1975.

Dreschslera australiensis (Bugnicourt) Subramanian & Jain ex Ellis

- 960 Unknown origin, 1970.
- 1295 < Melbourne University, 1975.

Dreschslera papendorfi (van der Aa) Ellis

- 1153 < IMI 13580, 1973.

Dreschslera spicifera Bainier

- 1195 Wagga Wagga, NSW. < WADA, # 119, 1973.

Epicoccum nigrum Link

- 975 Laboratory contaminant, AMRL, H. Sokol, 1970.
- 1069 Cotton fabric, AMRL, P. Jackson, 1972.
- 1296 Flax canvas, 2 years exposure, AMRL, C. Powell, 1975.
- 1369 Cotton duck, Innisfail, Qld., C. Powell, 1977.
- 1579 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1985.
- 1693 Water with organochloride contamination, Lake Bonney, SA, J. Upsher, 1993.

Exophiala Carmichael

- 1547 PVC, Innisfail, Qld., J. Upsher, 1985.

Fusarium Link ex Fries

- 455 Atmosphere, Innisfail, Qld., J. Upsher, 1965.
 462 Atmosphere, Innisfail, Qld., J. Upsher, 1965.
 468D Atmosphere, Innisfail, Qld., J. Upsher, 1965.
 476 Atmosphere, Innisfail, Qld., J. Upsher, 1965.
 484 Cotton duck, Innisfail, Qld., J. Upsher, 1966.
 512 Cotton cloth, Innisfail, Qld., J. Upsher, 1967.
 521 *Iris* corm, Melbourne, Vic., J. Upsher, 1966.
 524 Painted wooden test tube rack, AMRL, J. Upsher, 1966.
 530 *Iris* corm, Melbourne, Vic., J. Upsher, 1966.
 532 Cotton fabric, Innisfail, Qld., J. Upsher, 1966.
 543 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
 548 Cotton tent fabric, Bien Hoa, Vietnam, J. Upsher, 1967,
 628 Atmosphere, Innisfail, Qld., J. Upsher, 1968.
 669 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
 673 Casting powder, Mulwala, NSW., J. Upsher 1968.
 676 Corrosion-inhibiting oil, Mirage aircraft, J. Upsher, 1968.
 690 Avtur fuel, R. Bird, 1968.
 737 Atmosphere, Cloncurry, Qld., R. Bird, 1968.
 752 Cellophane in soil, Innisfail, Qld., J. Upsher, 1969.
 761 *Cymbidium* backbulb, Melbourne, Vic., J. Upsher, 1969.
 776 Atmosphere, Innisfail, Qld., J. Upsher, 1968.
 782 Atmosphere, Innisfail, Qld., J. Upsher, 1968.
 892 Petrol, Melbourne, Vic., H. Sokol, 1969.
 1023 Diesel fuel sample, AMRL, Maribyrnong, Vic., J. Upsher, 1970.
 1024 Hydraulic fluid, AMRL, Maribyrnong, Vic., J. Upsher, 1970.
 1057 Nylon rope on liferaft valise, Beaufort Pty. Ltd., Melbourne, Vic., J. Upsher, 1971.
 1205 Cactus, Maribyrnong, Vic., C. Powell, 1973.
 1256 Spiders web on glass-reinforced plastic cylinder, Innisfail, Qld., J. Upsher, 1975.
 1278 Polychloroprene rubber, Innisfail, Qld., C. Powell, 1975.
 1281 Polychloroprene rubber, Innisfail, Qld., C. Powell, 1975.
 1325 Cotton fabric treated with pentachlorophenyl laurate, Innisfail, Qld., C. Powell, 1975.
 1408 Cotton-polyester fabric, Brella Pty. Ltd., Reservoir, Vic., C. Powell, 1981.
 1559 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1985.
 1694 Starch-conditioned fermentor, AMRL; inoculum from harbour water at Appleton Dock, Vic., J. Upsher 1994

Fusarium nivale Cesati ex Berkeley & Voglino

- 1072 Coated nylon fabric, Innisfail, Qld., J. Upsher, 1971.

Fusarium oxysporum Schlehtendal

- 1014 Timber, Innisfail, Qld., J. Upsher, 1970.

Fusarium solani (Martius) Saccardo

- 1017 Timber, Innisfail, Qld., J. Upsher, 1970.

Fusidium Link

908 Atmosphere, Innisfail, Qld., J. Upsher, 1969.

Geotrichum candidum Link

773 Atmosphere, Innisfail, Qld., J. Upsher, 1968.

Gliocladium Corda

1444 Origin unknown.

Gliomastix Gueguen

1095 Nylon fabric, J. Upsher, 1972.

1353 Life raft valise, HMAS Lonsdale, Vic., J. Upsher, 1985.

Gonatobotryum apiculatum (Peck) Hughes

1061 Atmosphere, Innisfail, Qld., J. Upsher, 1971.

Hansfordia pulvinata (Berkeley & Curtis) Hughes

986 Atmosphere, Innisfail, Qld., J. Upsher, 1970. = IMI 149104

Hansfordia Hughes

1031 Cotton fabric, Innisfail, Qld., J. Upsher, 1970.

Helminthosporium Link & Fries

498 Fuel, AMRL, Maribyrnong, Vic., J. Upsher, 1966.

549 Atmosphere, Innisfail, Qld., J. Upsher, 1966.

648 Atmosphere, Innisfail, Qld., J. Upsher, 1967.

686 Atmosphere, Innisfail, Qld., J. Upsher, 1967.

1261 Cotton fabric, Innisfail, Qld., P. Jackson, 1974.

1287 Flax canvas, Cloncurry, Qld., J. Upsher, 1975.

1317 Cotton fabric, Cloncurry, Qld., C. Powell, 1975.

1346 Life raft valise, HMAS Lonsdale, C. Powell, 1976.

Hormoconis resinae (Lindau) Arx & de Vries

Anam. *Amorphotheca resinae* Parbery

Syn. *Cladosporium resinae* (Lindau) de Vries

Cladosporium resinae forma *avellaneum* de Vries

394 Rubber lining of aircraft fuel tank, G. Atkins, 1961.

409 Avtur fuel, Richmond, NSW., G. Atkins, 1961.

481 Avtur fuel, J. Upsher, 1966.

482 Lubricating oil, Richmond, NSW., J. Upsher, 1966.

496 Avtur fuel, Sleigh Pty. Ltd., Newcastle, NSW., J. Upsher, 1966.

525 Laboratory contaminant, J. Upsher.

623 Soil, creosote baiting; Maribyrnong, Vic., R. Bird, 1968.

638 Soil, creosote baiting; Maribyrnong, Vic., R. Bird, 1968.

723 Fuel, R. Bird, 1968.

724 Fuel, R. Bird, 1968.

733 Paint panel, R. Bird, 1968.

930 Water and fuel oil, RN, Porton Down. Dorset, UK, N.I. Hendey 1961.
< IMI 84419, 1969.

1026 Lubricant, AMRL, J. Upsher, 1970.

1103 Derivative of #394: resistant to ethoxy-ethoxy-ethanol, J. Upsher, 1972.

Humicola Traaen

- 753 Cellophane in soil, Innisfail, Qld., J. Upsher, 1969.
1011 Timber, Innisfail, Qld., J. Upsher, 1970.

Humicola grisea Traaen

- 434 PVC-coated hessian, A. Goldie, 1962.
925 < IMI 103008, 1969.

Hyalodendron Diddens

- 977 Avtur fuel, AMRL, J. Upsher, 1970. = IMI 147975
1016 Avtur fuel, AMRL, H. Sokol, 1970.
1289 Avtur fuel, AMRL, C. Powell, 1975.

Leptodontium elatium (Mangenot) de Hoog

- 1094 Plasticised PVC, Innisfail, Qld., J. Upsher, 1972.

Leptosphaerulina australis McAlpine

- 936 Cloncurry, Qld., J. Upsher, 1969.
956 Atmosphere, Innisfail, Qld., J. Upsher, 1969.
1298 Polychloroprene rubber, Innisfail, Qld., C. Powell, 1975.

Lichenophoma Keissler

- 935 Atmosphere, Innisfail, Qld., J. Upsher, 1969.

Matruchotia varians Boulanger

- 1053 Atmosphere, Innisfail, Qld., 1972. (Identified, P. Talbot, Waite Agricultural Institute, SA.).

Memnoniella echinata (Rivera) Galloway

- 2 Canvas, Papua-New Guinea, G. Wade, pre-1944.
508 < IMI 24003, 1960
916 < IMI 61273, 1969.

Monilia sitophila (Montagne) Saccardo

- 86 Cork gasket, F. Crook, 1947.

Monilinia fruticola (Winter) Honey

- 1130 Apricot, Melbourne, Vic., T. Keen, 1973.

Monodictys Hughes

- 1364 Atmosphere, AMRL, C. Powell, 1977.

Mortierella ramanniana (Möller) Linnemann

- 1058 < Melbourne University, Botany Dept., (H. Swart), 1971.

Mucor Micheli ex Fries

- 748 Cellophane in soil, Innisfail, Qld., J. Upsher, 1968.
758 *Cymbidium*, Box Hill, Vic., J. Upsher, 1969.
842 Garments, Malaysia, J. Upsher, 1969.
869 Safety fuses, ICIANZ, Deer Park, Vic., H. Sokol, 1969.
872 Safety fuses, ICIANZ, Deer Park, Vic., H. Sokol, 1969.
1692 Water with organochloride contamination, Lake Bonney, SA, J. Upsher, 1993.

Myrothecium verrucaria (Albertini & Schweinitz) Ditmar & Fresenius

- 460 < CSIRO Dept of Protein Chemistry 1966. = USDA # 1334.2.
 637 Kanpur, India, V. Agarwal, 1969.
 938 Atmosphere, Innisfail, Qld., J. Upsher, 1969.

Nigrospora oryzae Hudson

- 1250 Glass-reinforced plastic, Innisfail, Qld., J. Upsher, 1975.
 1260 Sealant, Innisfail, Qld., J. Upsher, 1975.

Nigrospora panici Zimmerman

- 997 Atmosphere, Innisfail, Qld. 1970. = IMI 149103

Nigrospora sphaerica (Saccardo) Mason

- 784 Atmosphere, Innisfail, Qld., J. Upsher, 1972.
 1228 PVC tapes, Innisfail, Qld., C. Powell, 1975.
 1320 Cotton fabric treated with pentachlorophenyl laurate, Innisfail, Qld., 1975.
 1322 Cotton fabric treated with pentachlorophenyl laurate, Innisfail, Qld., 1975.
 1638 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1985.

Nodulisporium gregarium (Berkeley & Curtis) Meyer

- 1104 Sisal rope, Innisfail, Qld., 1972. = IMI 167694.

Oospora roseo-flava Saccardo

- 493 Cotton fabric, Innisfail, Qld., J. Upsher, 1966.

Paecilomyces Bainier

- 32 Cotton respirator haversack, Papua-New Guinea, G. Wade, pre-1944.
 479A Atmosphere, Innisfail, Qld., R. Bird, 1965.
 504 Lubricating oil, AMRL, J. Upsher, 1966.
 536 Atmosphere, Innisfail, Qld., 1966.
 556 Leather boot, Vietnam, J. Upsher, 1966.
 671 Casting powder, Mulwala, NSW., J. Upsher, 1968.
 772 Atmosphere, Innisfail, Qld., 1968.
 787 Atmosphere, Innisfail, Qld., 1968,
 838 Polyurethane-coated garments, Malaysia, J. Upsher, 1969.
 841 Polyurethane-coated garments, Malaysia, J. Upsher, 1969.
 940 Atmosphere, Innisfail, Qld., J. Upsher, 1969.
 980 Atmosphere, Innisfail, Qld., J. Upsher, 1970.
 1099 Cotton sample, Innisfail, Qld., J. Upsher, 1972.
 1252 Spider's web on glass reinforced plastic cylinder, Innisfail, Qld. J. Upsher, 1975
 1254 Glass reinforced plastic cylinder, Innisfail, Qld., J. Upsher, 1975.
 1309 Silicone rubber, Innisfail, Qld., C. Powell, 1975.
 1557 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1985
 1685 Air duct, HMAS Otway, C. Upsher, 1993.
 1689 Fanblade in galley, HMAS Otway, C. Upsher, 1993.

Paecilomyces burchi Thom

- 904 Substrate unknown, Cloncurry, Qld., J. Upsher, 1969.

Paecilomyces canadensis (Vuillemin) Brown & Smith

- 208 'Mushroom spores', G. Atkins, 1957.

Paecilomyces elegans (Corda) Mason & Hughes

- 68 Origin unknown, G. Wade, pre 1944.
118 Cotton fabric after soil burial, AMRL, F. Crook, 1949.

Paecilomyces farinosus (Holmskjold) Brown & Smith

- 148 Canvas, Sydney, NSW., R. Hindson, 1958.
677 Corrosion-inhibiting oil, RAAF Mirage tanks, J. Upsher, 1968.

Paecilomyces fumoso-raseus (Wise) Brown & Smith

- 356 Infra-red recorder, AMRL, G. Atkins, 1960.
517 Fuel sample, AMRL, J. Upsher, 1966.
750 Cellophane after soil burial, Innisfail, Qld., R. Bird, 1968.

Paecilomyces lilacinum (Thom) Samson

- 587 Atmosphere, Innisfail, Qld., J. Upsher, 1966.

Paecilomyces puntonii (Vuillemin) Nannizzi

- 92 Cotton duck after soil burial, F. Crook, 1948.

Paecilomyces variotii BainierAnam. *Byssochlamys fulva*

- 367 Atmosphere, Lae, Papua-New Guinea, G. Atkins, 1960.
413 Avtur fuel, G Atkins, 1961.
436 PVC-coated hessian, Wewak, Papua-New Guinea, A. Goldie, 1962. = IMI 362750. Test culture for AS 1157 and AS 1099.
500 Avtur fuel, Sleigh Pty. Ltd, Newcastle, NSW., J. Upsher, 1966.
501 Avtur fuel, Sleigh Pty. Ltd, Newcastle, NSW., J. Upsher, 1966.
526 Leather boot, Vietnam, J. Upsher, 1966.
592 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
593 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
594 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
692 < CSIRO Forestry Division, NSW., #101A, 1968.
700 Fuse, AMRL, Maribyrnong, Vic., 1968.
725 Fuel, AMRL, Maribyrnong, Vic., 1968.
875 Drain point in fuel tank (avtur/water), RAAF Hercules, R. Bird, 1969.
929 < IMI 108007, 1969.
950 Painted wooden trolley, AMRL, J. Upsher, 1969.
1357 Procter & Gamble, Cincinnati, OH, USA, < WAR, 1976.

Paecilomyces victoriae (Szilvinyi) Brown & Smith

- 98 Paper label, Papua-New Guinea, H.L.Jensen, 1944.
101 Cork gasket, F.Crook, 1946.
437 PVC-coated hessian, Wewak, Papua-New Guinea, 1962.
448 PVC-coated hessian, Innisfail, Qld., R. Bird, 1964.
566 Avtur fuel, AMRL, J. Upsher, 1965.
944 Laminated PVC sheet, AMRL, J. Upsher, 1969.

Penicillium Link

- 88 Cotton duck, Lae, Papua-New Guinea, F. Crook, 1946.
 244 *Gladiolus* corm, Melbourne, Vic., R. Bird, 1968.
 302 Paint film, AMRL, G. Atkins, 1958.
 466A Atmosphere, Innisfail, Qld., J. Upsher, 1966.
 471 Atmosphere, Innisfail, Qld., J. Upsher, 1965.
 535 Cotton fabric, Innisfail, Qld., J. Upsher, 1966.
 557 Leather army boot, Vietnam, J. Upsher, 1966.
 559 Leather army boot, Vietnam, J. Upsher, 1966.
 560 Fuel, AMRL, J. Upsher, 1965.
 563 Fuel, AMRL, J. Upsher, 1965.
 565 Fuel, AMRL, J. Upsher, 1965.
 573 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
 577 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
 579 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
 582 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
 584 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
 590 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
 601 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
 606 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
 607 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
 611 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
 613 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
 633 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
 653 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
 657 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
 672 Casting powder, Mulwala, NSW., J. Upsher, 1968.
 788 Atmosphere, Innisfail, Qld., J. Upsher, 1968.
 789 Atmosphere, Innisfail, Qld., J. Upsher, 1968.
 808 Crumpet, Wallace Parker Pty. Ltd., J. Upsher, 1969.
 815 Atmosphere, Innisfail, Qld., 1969.
 821 Atmosphere, Innisfail, Qld., 1969.
 844 Garments, Malaysia, J. Upsher, 1969.
 850 Garments, Malaysia, J. Upsher, 1969.
 854 Laboratory contaminant, AMRL, H. Sokol, 1969
 868 Safety fuses, ICIANZ, Vic., H. Sokol, 1969
 880 Rubber, SA Rubber Pty. Ltd., SA., H. Sokol, 1969
 881 Rubber, SA Rubber Pty. Ltd., SA., H. Sokol, 1969.
 939 Atmosphere, Innisfail, Qld., J. Upsher, 1969.
 941 Atmosphere, Innisfail, Qld., J. Upsher, 1969.
 945 Fruit of 'Finger cherry' *Rhodomyrtus macrocarpa*, Innisfail, Qld., J. Upsher, 1969.
 952 Thermal battery, AMRL, 1969.
 955 Atmosphere, Innisfail, Qld., J. Upsher, 1969.
 959 Atmosphere, Innisfail, Qld., J. Upsher, 1969.
 964 Painted surface of 'Ikara' missile, J. Upsher, 1970.
 1050 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1970.
 1098 Polyurethane foam after soil burial, AMRL, J. Upsher, 1972.
 1111 Polyurethane sheet, Innisfail, Qld., J. Upsher, 1972.
 1112 Polyurethane sheet, Innisfail, Qld., J. Upsher, 1972.

- 1133 Canvas, Brella Pty. Ltd., Reservoir, Vic., J. Upsher, 1973.
 1134 Canvas, Brella Pty, Ltd., Reservoir, Vic., J. Upsher, 1973.
 1245 Viscose fabric in handbag, Taiwan, C. Powell, 1975.
 1338 *Azalea* leaf, Sunshine, Vic., J. Upsher, 1976.
 1574 Leather, Microtech Pty. Ltd., Box Hill, Vic., J. Upsher, 1993.
 1687 Air in wardroom duct, HMAS Otway, C. Upsher, 1993.
 1690 Air conditioner '10x6' filter, HMAS Otway, C. Upsher, 1993.
 1695 Water bath with ethylene glycol additive, AMRL. C. Upsher 1994

Penicillium brevi-compactum Dierckx

- 716 Selected from AMRL441, J. Upsher, 1969.
 550 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
 574 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
 580 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
 588 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
 589 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
 915 < IMI 17456, 1969.

Penicillium fellutanum Biourge

- 147 Canvas, Sydney, NSW., G. Atkins, 1957.

Penicillium chermesinum Biourge

- 570 Atmosphere, Innisfail, Qld., J. Upsher 1966.

Penicillium chrysogenum Thom

- 21 Hessian sandbag, Burnley, Vic., G. Wade, pre-1944
 121 Soap wrapper, AMRL, F. Crook, 1949.
 127 Soap wrapper, Adelaide, SA., F. Crook, 1949.
 887 Atmosphere, Innisfail, Qld., 1969.
 1068 Wool, RAAF store, Tottenham, Vic., H. Sokol, 1971.

Penicillium citrinum Thom

- 162 Substrate unknown, Manus Island, Papua-New Guinea, G. Atkins, 1956.
 176 Orange skin, G. Atkins, 1956.
 229 Bean seed, Melbourne, Vic., R. Bird, 1968.
 240 Cotton tent, Copper-rotproofed, Port Fairy, Vic., G. Atkins, 1957.
 585 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
 586 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
 596 < IMI 156871
 703 Fuse, R. Bird, 1968.
 719 Polyurethane-coated nylon mattress cover, Malaysia, R. Bird, 1968.
 969 Atmosphere, Innisfail, Qld., J. Upsher, 1969. = IMI 156875

Penicillium corylophilum Dierckx

- 534 Leather boot, Vietnam, J. Upsher, 1966.
 893 Waxed cardboard ration box, J. Upsher, 1969.
 1059 Paper, Melbourne, Vic., 1973. = IMI 175439. Test culture for AS 1157.
 1137 < Melbourne University, 1973. = IMI 175440.

Penicillium cyclopium Westling

- 441 < CSIRO Protein Research Laboratory, 1963.
- 926 < IMI 19759, 1969.

Penicillium decumbens Thom

- 140 Leather binocular case, Manus Island, Papua-New Guinea, R. Hindson, 1952.
- 472 Substrate unknown, Innisfail, Qld., R. Bird, 1965.
- 569 Fuel, AMRL, Maribyrmong, Vic., J. Upsher, 1965.
- 802 Cellophane after soil burial, Innisfail, Qld., J. Upsher, 1968.
- 810 Waxed cardboard ration box, J. Upsher, 1969.

Penicillium digitatum Saccardo

- 1127 Orange skin, AMRL, J. Upsher, 1972.

Penicillium duclauxi Delacroix

- 765 Atmosphere, Innisfail, Qld., J. Upsher 1968.

Penicillium expansum Link ex Gray

- 1214 Apple, AMRL, J. Upsher, 1973.

Penicillium frequentans Westling

- 489 *Polyporus* basidiocarp, Maribyrmong, Vic., J. Upsher, 1966.
- 533 Leather boot, Vietnam, J. Upsher, 1966.
- 572 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
- 953 Atmosphere, Innisfail, Qld., J. Upsher, 1969.

Penicillium funiculosum Thom

- 309 Agar plate with tin oxide (atmospheric contaminant), AMRL, G. Atkins, 1958.
Test culture for AS 1099.
- 467B Atmosphere, Innisfail, Qld., J. Upsher, 1966.
- 537 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
- 790 Atmosphere, Innisfail, Qld., J. Upsher, 1966.

Penicillium godlewskii Zaleski

- 553 Leather army boot, Vietnam, J. Upsher, 1966.

Penicillium herquei Bainier & Sartory

- 1336 Explosives container, AMRL, C. Powell, 1976.

Penicillium janthinellum Biourge

- 35 Respirator, Sydney, NSW., G. Wade, pre-1944.
- 691 < CSIRO, 1968. Test culture for AS 1157.
- 721 Oxalic acid solution 1%, AMRL, J. Upsher, 1968.
- 921 < IMI 108033, 1969.

Penicillium javanicum Beyma

- 932 Laboratory contaminant, AMRL, H. Sokol, 1969.

Penicillium jenseni Zalesky

- 509 Paint film, AMRL, J. Upsher, 1966.
604 Atmosphere, Innisfail, Qld., J. Upsher, 1967.

Penicillium lanosum Westling

- 297 Mint jelly, G. Atkins, 1958.

Penicillium luteum Sopp

- 467A Atmosphere, Innisfail, Qld., J. Upsher, 1965.
554 Leather army boot, Vietnam, J. Upsher, 1966.
764 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
812 Waxed cardboard ration box, J. Upsher, 1969.
895 Waxed cardboard ration box, J. Upsher, 1969.
927 < IMI 95152, 1969.
1007 Timber, Innisfail, Qld., J. Upsher, 1970.
1049 Flax canvas valise for inflatable liferaft, RAN, J. Upsher, 1970.
1202 Leather shoe, Albert Park Barracks, Melbourne, Vic., C. Powell, 1973.
1358 Cardboard, Procter & Gamble, Cincinnati, OH., USA, < WAR, 1976.

Penicillium ochrochloron Biourge

- 1075 Inner wall of 30° incubator, AMRL, H. Sokol, 1971. Test culture for AS 1099.

Penicillium oxalicum Currie & Thom

- 52 Cotton canvas, Papua-New Guinea, G. Wade, pre-1944.
456 Atmosphere, Innisfail, Qld., J. Upsher, 1968.
562 Fuel, AMRL, Maribyrnong, Vic., J. Upsher, 1967.

Penicillium purpurogenum Stoll

- 84 < University of Melbourne, Botany Dept., E. MacLennan, 1948.

Penicillium raistrickii Smith

- 222 Atmosphere, AMRL, G. Atkins, 1957.

Penicillium roqueforti Thom

- 186 Cheese, Kraft Walker Co., G. Atkins, 1956.
423 Cheese, A. Goldie, 1961.
506 Adhesive/polystyrene, Sydney, NSW., 1966.
704 Laboratory contaminant, AMRL, R. Bird, 1968.

Penicillium rubrum Sopp

- 1122 Packaging for Army shirt after 5 years storage (Army), B. Hoskin, 1972.

Penicillium sclerotiorum Beyma

- 578 Atmosphere, Innisfail, Qld., J. Upsher, 1966.
608 Atmosphere, Innisfail, Qld., J. Upsher, 1967.

Penicillium simplicissimum (Oudemans) Thom

- 583 Atmosphere, Innisfail, Qld., J. Upsher, 1966.

Penicillium variabile Sopp

- 894 Press board carton, J. Upsher, 1969.
996 Prune, Maribyrnong, Vic., J. Upsher, 1970.

Penicillium vermiculatum Danegard

- 160 Laboratory culture, G. Atkins, 1956.

Penicillium verrucosum Peyronel

- 907 Waxed cardboard ration box, J. Upsher, 1969.

Periconia Tode ex Fries

- 689 Paint panel, Panama, R. Bird, 1969.
888 Atmosphere, Innisfail, Qld., R. Bird, 1969.
1305 Polychloroprene rubber, Innisfail, Qld., C. Powell, 1975.
1306 Silicone rubber, Innisfail, Qld., C. Powell, 1975.

Periconia atropurpurea (Berkeley & Curtis) Litvinov

- 856 Atmosphere, Innisfail, Qld., J. Upsher, 1969. = IMI 147977

Periconia hispidula (Persoon ex Persoon) Mason & M.B. Ellis.

- 678 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
681 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1967.
777 Atmosphere, Innisfail, Qld., J. Upsher, 1968.
779 Atmosphere, Innisfail, Qld., J. Upsher, 1968.

Periconiella echinocloae (Batista) M.B. Ellis

- 899 Atmosphere, Cloncurry, Qld., J. Upsher, 1969.
1637 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1985.

Pestalotia de Notaris

- 827 Atmosphere, Innisfail, Qld., J. Upsher, 1969.
852 Garments, Malaysia, J. Upsher, 1969.
1331 Cotton fabric treated with pentachlorophenyl laurate, Innisfail, Qld., J. Upsher, 1976.
1398 Plasticised PVC, Innisfail, Qld., C. Powell, 1980.

Pestalotia hordeidestrua Denhardt

- 1249 Glass fibre reinforced plastic cylinder, 2 years exposure, Innisfail, Qld., J. Upsher, 1975.

Phialophora Medlar

- 675 Corrosion-inhibiting oil, Mirage fuel tank, J. Upsher, 1968.
693 < CSIRO Division of Forest Products, B. DaCosta, 1968.
736 Atmosphere, Innisfail, Qld., R. Bird, 1968.
843 Garments, Malaysia, R. Bird, 1969.
876 Californian redwood slat, Abermain, Qld., J. Upsher, 1969.
877 Californian redwood slat, Abermain, Qld., J. Upsher, 1969.
942 Atmosphere, Innisfail, Qld., J. Upsher, 1969.
1051 Life raft fabric, ex RAN, C. Powell, 1970.
1221 Timber, New Guinea, < CSIRO #NG48, B. DaCosta, 1973.
1299 PVC tape, Innisfail, Qld, Australia, C. Powell, 1975.

Phialophorophoma Linder

- 933 Substrate unknown, Cloncurry, Qld., J. Upsher, 1969.

Phoma eupyrena Saccardo

- 983 Atmosphere, Innisfail, Qld., C. Powell, 1970. = IMI 147982
 1043 Timber, Innisfail, Qld., CSIRO Trial, H. Sokol, 1970.
 1096 Cotton samples, Innisfail, Qld., C. Powell 1972.

Phoma Saccardo

- 651 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
 735 Plate exposure, Cloncurry, Qld., R. Bird, 1968.
 1277 Flax canvas, Cloncurry, Qld., J. Upsher, 1975.
 1283 Sealant, Innisfail, Qld., J. Upsher, 1975.
 1286 Polychloroprene rubber, Innisfail, Qld., 1975.
 1308 Cotton fabric treated with pentachlorophenyl laurate, Innisfail, Qld., C. Powell, 1975.
 1313 Silicone rubbers, Innisfail, Qld., C. Powell, 1975.
 1333 Polychloroprene rubber, Qld., C. Powell, 1978
 1351 Life raft valise, HMAS Lonsdale, C. Powell, 1976.

Piptocephalis de Bary

- 1431 < University of Melbourne, Botany Dept., H. Swart.

Pithomyces Berkley & Broome

- 640 Atmosphere, Innisfail, Qld, Australia, J. Upsher, 1967.
 663 Atmosphere, Innisfail, Qld, Australia, J. Upsher, 1967.
 845 Garments, Malaysia, J. Upsher, 1969.
 994 Atmosphere, Innisfail, Qld., J. Upsher, 1970.
 1218 Timber, Papua-New Guinea, < CSIRO, Forest Products Div., #NG122, B. DaCosta, 1973.
 1225 Timber, Papua-New Guinea, < CSIRO, Forest Products Div., #NG121, B. DaCosta, 1973.
 1229 Rubber "O" Rings, Innisfail, Qld., P. Jackson, 1974.
 1231 Rubber "O" Rings, Innisfail, Qld., P. Jackson, 1974.
 1232 Rubber "O" Rings, Innisfail, Qld., P. Jackson, 1974.
 1233 Rubber "O" Rings, Innisfail, Qld., P. Jackson, 1974.
 1280 Polychloroprene rubber, Innisfail, Qld., 1975.
 1310 Cotton fabric treated with pentachlorophenyl laurate, Innisfail, Qld., C. Powell, 1975.
 1527 Atmosphere, Innisfail, Qld., J. Upsher, 1985.

Pithomyces chartarum (Berkeley & Curtis) Ellis

- 1036 Wood chips, Papua-New Guinea. < CSIRO Forest Products Div., #NG44, B. Dacosta, 1970.

Pithomyces sacchari (Spegazzini) Ellis

- 1274 Flax canvas, Cloncurry, Qld, Australia, J. Upsher, 1975.

Pseudallescheria boydii (Shear) McGinnis, Padhye & Ajello

- 914 Railway diesel fuel, Melbourne, Vic., J. Upsher, 1969. = IMI 147974

Pyricularia Saccardo

1504 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1985.

Ramichloridium Stahel

- 1429 Substrate unknown, Innisfail, Qld.
 1545 Substrate unknown, Innisfail, Qld., J. Upsher, 1985.
 1556 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1985.
 1617 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1985.
 1668 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1985.

Ramichloridium schulzeri (Saccardo) de Hoog

1668 Timber in soil, Innisfail, Qld. < W Hoskins, 1986

Ramichloridium subulatum de Hoog

1440 Substrate unknown, Innisfail, Qld.

Rhinochloidiella. Nannfeldt

- 616 Atmosphere, Innisfail, Qld., 1967.
 732 Atmosphere, Innisfail, Qld., 1968.
 974 Avtur fuel, 1969.
 1071 Cotton polyester fabric, jungle, Innisfail, Qld., J. Upsher, 1971.
 1206 Thymol solution, CSIRO, Div. Prot. Chem., P. Hoyne, 1973.
 1219 Timber, < CSIRO, Forest Products Div., B. DaCosta, 1973.
 1255 Glass fibre-reinforced plastic cylinder, exposed 2 years, cleared site, Innisfail, Qld., J. Upsher, 1975.
 1284 Sealant, Innisfail, Qld., J. Upsher, 1975.
 1337 PVC tape, Innisfail, Qld., P. Jackson, 1976.
 1342 Explosive sample, AMRL, J. Upsher, 1976.
 1349 Life raft valise, HMAS Lonsdale, J. Upsher, 1976.
 1400 PVC, containing fungicide, Innisfail, Qld, Australia, J. Upsher, 1981.
 1501 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1985.
 1551 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1985.
 1569 Atmosphere, Innisfail, Qld., J. Upsher, 1985.

Rhizopus stolonifer (Ehrenberg ex Fries) Lind

14 Radio, Papua-New Guinea, pre-1944. = IMI 12162.

Sclerotium Tode ex Fries

- 1269 Iris corm, Newport, Vic., 1975.
 1446 Unknown origin.

Scolecobasidium Abbot

- 982 Atmosphere, Innisfail, Qld. = IMI 147981.
 1067 < IMI, 1971.

Scolecobasidium constrictum Abbot

1131 Cotton fabric, Davies Coop Pty. Ltd., J. Upsher 1973.

Scopulariopsis Bainier

- 464 Atmosphere, Innisfail, Qld., R. Bird, 1965.
 625 Atmosphere, Innisfail, Qld., J. Upsher, 1967.
 1512 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1985.
 1564 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1985.

Scopulariopsis brevicaulis (Saccardo) Bainier

- 1414 < ATCC, 1983. Test culture for AS 1099.
 1675 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1985.
 1691 Woollen mattress cover, HMAS Otway, C. Upsher, 1993.

Scytalidium Pesante

- 1044 Timber, Innisfail, Qld., (CSIRO Trial), H. Sokol, 1970.

Septonema Corda

- 1544 Substrate unknown, Innisfail, Qld.

Septonema secedens Corda

- 1519 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1985.

Spegazzina lobulata Throver

- 1293 Soil, Frankston heathland, < University of Melbourne #S2:001, 1975.

Sporothrix Hektoen & Perkins

- 1380 Acrylic paint, Innisfail, Qld., J. Upsher, 1978.
 1516 Atmosphere, cleared site, Innisfail, Qld., J. Upsher, 1985.

Sporotrichum Link

- 1076 Laboratory contaminant, J. Upsher, 1971.
 1679 Unknown origin, J. Upsher, 1985.

Stachybotrys Corda

- 1025 Putty stored under water, J. Upsher, 1970.
 1328 Carpet, Maribyrnong, Vic., 1975.
 1350 Life raft valise, HMAS Lonsdale, 1976.

Stachybotrys atra

syn. *Stackybotrys chartarum*

Stachybotrys chartarum (Ehrenberg) Hughes

- 1A Hessian sandbag, Burnley, Vic., G. Wade, pre-1944.
 1B Hessian sandbag, Burnley, Vic., G. Wade, pre-1944. Hyaline strain of 1A.
 66 Cotton bag, Ballarat, Vic., G. Wade, pre-1944.
 507 < CSIRO, Div. Protein Chemistry, M Jermyn, 1966
 918 < IMI 82021, 1969.
 1416 < ATCC, 1983

Stemphylium Wallroth

- 858 Caravan annex, Bradmill PL., Vic, Australia, 1969.
 859 Caravan annex, Bradmill, PL., Vic, Australia, 1969.
 1129 Hair, T. Keen, 1973.
 1330 Laboratory contaminant, AMRL, J. Upsher, 1976.

Stephanosporium cereale (Thüm) Swart

- 1389 Life raft fabric, J. Upsher, 1984.

Stigmina Saccardo

- 820 Atmosphere, Innisfail, Qld., J. Upsher, 1969.

Syncephalastrum Schröter

- 814 Waxed cardboard ration box, J. Upsher, 1969.
 1327 Cotton fabric treated with pentachlorophenyl laurate, Innisfail, Qld., C. Powell, 1975.

Syncephalastrum racemosum Cohn ex Schröter

- 399 Lining of fuel tank, Sydney, NSW., G. Atkins, 1961.
 427 PVC-coated hessian, Papua-New Guinea, A. Goldie, 1961. = IMI 362748. AS
 1157 test culture.
 924 < IMI 77605, 1969.

Torula Persoon ex Fries

- 1307 'Sample PD2', Innisfail, Qld., J. Upsher, 1975.

Torula caligans (Batista & Upadhyay) Ellis

- 1292 Mangrove soil, Mozambique. < University of Melbourne #66:42, H Swart, 1975.

Trichoderma Persoon ex Fries

- 468C Atmosphere, Innisfail, Qld., J. Upsher, 1966.
 1047 Flax canvas life raft valise, RAN, 1970.
 1326 Carpet, Maribyrnong, Vic., C. Powell, 1975.

Trichoderma viride Persoon ex Fries

- 447 PVC-coated hessian, Innisfail, Qld., R. Bird, 1968.
 470 Atmosphere, Innisfail, Qld., J. Upsher, 1965.
 480 Laboratory contaminant, AMRL. 1965. Test culture for AS 1099.
 520 Wood, Maribyrnong, Vic., J. Upsher, 1966.
 558 Atmosphere, Innisfail, Qld., J. Upsher, 1964.
 718 Cotton duck, R. Bird, 1968.
 922 < IMI 45553, 1969.
 1354 Cardboard, Procter & Gamble, Cincinnati, OH., USA, < WAR, 1976.

Trichothecium Link

- 516 Atmosphere, AMRL, Maribyrnong, Vic., J Upsher, 1966.

Trichothecium roseum Link ex Fries

- 527 Inflatable rubber life raft, J. Upsher, 1966
 896 Press board rations carton, J. Upsher, 1969.

Trimmatostroma Corda

- 105 Flax water bag, AMRL, BAS., 1949.
 122 Jute water bag, AMRL, BAS., 1949.
 515 Atmosphere, AMRL, J. Upsher, 1966.

Trimmatostroma salicis Corda

- 1251 Fibreglass-reinforced plastic cylinder, cleared site, 2 years exposure, Innisfail, Qld., J. Upsher, 1975.

Tritirachum roseum MacLeod

- 1070 Flame thrower harness, made in USA, via Vietnam, J. Upsher, 1971.
 1344 Life raft valise, HMAS Lonsdale, Vic., J. Upsher, 1976.

Ulocladium Preuss

- 886 < Paint Industry Research Association, UK, 1969. (Evans & Levinson. Int. Biodet. Bull., 4 (2): 89-92. 1968).
 891 < Paint Industry Research Association, UK, 1969. (Evans & Levinson. Int. Biodet. Bull., 4 (2): 89-92. 1968).
 1334 Laboratory contaminant, AMRL, C. Powell, 1976.
 1566 Hessian, Maribyrnong, Vic., J. Upsher, 1985.
 1670 Hessian, Maribyrnong, Vic., J. Upsher, 1985. Benomyl tolerant.

Ulocladium alternariae (Cooke) Simmons

- 1054 Life raft canvas valise, Beaufort Pty. Ltd., Vic., J. Upsher, 1971.

Ulocladium atrum Preuss

- 1045 Timber, Innisfail, Qld., (CSIRO trial), 1970.
 1073 Painted wall, Ascot Vale, Vic., P. Jackson, 1971.
 1125 Cotton fabric, Nylex Pty. Ltd., Mentone, Vic., 1972.

Ulocladium chartarum (Preuss) Simmons

- 1138 < IMI, 1974. Obtained as *Stemphylium* sp.

Ulocladium consortiale (Thüm) Simmons

- 984 Timber, Innisfail, Qld., < NSW. Div of Forest Products, #80, 1970. Test culture for AS 1157.

Veronaea Ciferri & Montemartini

- 1521 Atmosphere, jungle, Innisfail, Qld., J. Upsher, 1985

Veronaea botryosa Ciferri & Montemartini

- 898 Atmosphere, Innisfail, Qld., R. Bird, 1969. = IMI 147978.

Verticillium psalliotae Treschow

- 785 Atmosphere, Innisfail, Qld., J. Upsher, 1972. = IMI 149106.

5. Numerical List of Cultures

0001A	<i>Stachybotrys chartarum</i>	0140	<i>Penicillium decumbens</i>
0001B	<i>Stachybotrys chartarum</i>	0143	<i>Aspergillus penicilloides</i>
0002	<i>Memnoniella echinata</i>	0147	<i>Penicillium fellutanum</i>
0004	<i>Aspergillus niger</i>	0148	<i>Paecilomyces farinosus</i>
0005	<i>Aspergillus flavus</i>	0160	<i>Penicillium vermiculatum</i>
0014	<i>Rhizopus stolonifer</i>	0162	<i>Penicillium citrinum</i>
0021	<i>Penicillium chrysogenum</i>	0164	<i>Aspergillus versicolor</i>
0024	<i>Chaetomium globosum</i>	0172	<i>Aspergillus terreus</i>
0032	<i>Paecilomyces sp.</i>	0176	<i>Penicillium citrinum</i>
0035	<i>Penicillium janthinellum</i>	0177	<i>Aspergillus wentii</i>
0046	<i>Aspergillus glaucus</i>	0179	<i>Aspergillus ustus</i>
0052	<i>Penicillium oxalicum</i>	0186	<i>Penicillium roqueforti</i>
0058	<i>Aspergillus niger</i>	0189	<i>Aspergillus quercinus</i>
0059	<i>Aspergillus sulphureus</i>	0193	<i>Aspergillus carneus</i>
0059	<i>Aspergillus sulphureus</i>	0194	<i>Aspergillus flavipes</i>
0060	<i>Aspergillus candidus</i>	0196	<i>Aspergillus luchuensis</i>
0065	<i>Aspergillus repens</i>	0208	<i>Paecilomyces canadensis</i>
0066	<i>Stachybotrys chartarum</i>	0214	<i>Aspergillus proliferans</i>
0068	<i>Paecilomyces elegans</i>	0219	<i>Aspergillus carneus</i>
0072	<i>Aspergillus niger</i>	0222	<i>Penicillium raistrickii</i>
0074	<i>Chaetomium globosum</i>	0229	<i>Penicillium citrinum</i>
0079	<i>Alternaria alternata</i>	0233	<i>Aspergillus phoenicus</i>
0084	<i>Penicillium purpurogenum</i>	0240	<i>Penicillium citrinum</i>
0085	<i>Aspergillus oryzae</i>	0244	<i>Penicillium sp.</i>
0086	<i>Monilia sitophila</i>	0248	<i>Aspergillus niger</i>
0088	<i>Penicillium sp.</i>	0250	<i>Paecilomyces sp.</i>
0090	<i>Aspergillus fumigatus</i>	0252	<i>Aspergillus niger</i>
0091	<i>Aspergillus ustus</i>	0255	<i>Aspergillus niger</i>
0092	<i>Paecilomyces puntonii</i>	0268	<i>Aspergillus terreus var. aureus</i>
0098	<i>Paecilomyces victoriae</i>	0281	<i>Aspergillus sp.</i>
0101	<i>Paecilomyces victoriae</i>	0297	<i>Penicillium lanosum</i>
0103	<i>Aspergillus repens</i>	0302	<i>Penicillium sp.</i>
0105	<i>Trimmatostroma sp.</i>	0309	<i>Penicillium funiculosum</i>
0108	<i>Aspergillus chevalieri</i>	0356	<i>Paecilomyces fumoso-roseus</i>
0110	<i>Cephalophora tropica</i>	0366	<i>Byssochlamys fulva</i>
0118	<i>Paecilomyces elegans</i>	0367	<i>Paecilomyces varioti</i>
0121	<i>Penicillium chrysogenum</i>	0368	<i>Aspergillus terreus</i>
0122	<i>Trimmatostroma sp.</i>	0374	<i>Aspergillus sydowi</i>
0127	<i>Penicillium chrysogenum</i>	0384	<i>Aspergillus chevalieri</i>
0129	<i>Aspergillus oryzae</i>	0394	<i>Hormoconis resinae</i>
0132	<i>Aspergillus niger</i>	0399	<i>Syncephalastrum racemosum</i>
0133	<i>Aspergillus flavus</i>	0409	<i>Hormoconis resinae</i>
0135	<i>Aspergillus niger</i>	0411	<i>Chaetomium indicum</i>
0137	<i>Aspergillus flavus</i>	0413	<i>Paecilomyces varioti</i>

0423	<i>Penicillium roqueforti</i>	0493	<i>Oospora rosea-flava</i>
0425	<i>Aspergillus amstelodami</i>	0496	<i>Hormoconis resinae</i>
0427	<i>Syncephalastrum racemosum</i>	0497	<i>Curvularia lunata</i>
0428	<i>Aspergillus niger</i>	0498	<i>Helminthosporium</i> sp.
0429	<i>Aspergillus flavus</i>	0500	<i>Paecilomyces varioti</i>
0430	<i>Aspergillus tamarii</i>	0501	<i>Paecilomyces varioti</i>
0431B	<i>Aspergillus</i> sp.	0504	<i>Paecilomyces</i> sp.
0434	<i>Humicola grisea</i>	0506	<i>Penicillium roqueforti</i>
0435	<i>Aspergillus ustus</i>	0507	<i>Stachybotrys chartarum</i>
0436	<i>Paecilomyces varioti</i>	0508	<i>Stachybotrys echinata</i>
0437	<i>Paecilomyces victoriae</i>	0509	<i>Penicillium jenseni</i>
0438	<i>Aspergillus glaucus</i>	0512	<i>Fusarium</i> sp.
0439	<i>Aspergillus fisheri</i> var. <i>spinosus</i>	0515	<i>Trimmatostroma</i> sp.
0440	<i>Penicillium chrysogenum</i>	0516	<i>Trichothecium</i> sp.
0441	<i>Penicillium cyclopium</i>	0517	<i>Paecilomyces fumoso-roseus</i>
0442	<i>Curvularia senegalensis</i>	0519	<i>Aspergillus awamori</i>
0443	<i>Aspergillus tamarii</i>	0520	<i>Trichoderma viride</i>
0445	<i>Aspergillus versicolor</i>	0521	<i>Fusarium</i> sp.
0446	<i>Cladosporium herbarum</i>	0522	<i>Chaetomium subterraneum</i>
0447	<i>Trichoderma viride</i>	0523	<i>Alternaria radicina</i>
0448	<i>Paecilomyces victoriae</i>	0524	<i>Fusarium</i> sp.
0450	<i>Alternaria</i> sp.	0525	<i>Hormoconis resinae</i>
0454	<i>Aureobasidium pullulans</i>	0526	<i>Paecilomyces varioti</i>
0455	<i>Fusarium</i> sp.	0527	<i>Cephalothecium roseum</i>
0456	<i>Penicillium oxalicum</i>	0530	<i>Fusarium</i> sp.
0460	<i>Myrothecium verrucaria</i>	0531	<i>Curvularia eragrostidis</i>
0462	<i>Fusarium</i> sp.	0532	<i>Fusarium</i> sp.
0464	<i>Scopulariopsis</i> sp.	0533	<i>Penicillium frequentans</i>
0465	<i>Curvularia senegalensis</i>	0534	<i>Penicillium corylophilum</i>
0466A	<i>Penicillium</i> sp.	0535	<i>Penicillium</i> sp.
0467B	<i>Penicillium funiculosum</i>	0536	<i>Paecilomyces</i> sp.
0467A	<i>Penicillium luteum</i>	0537	<i>Penicillium funiculosum</i>
0468A	<i>Aspergillus flavus</i>	0542	<i>Aureobasidium pullulans</i>
0468D	<i>Fusarium</i> sp.	0543	<i>Fusarium</i> sp.
0468C	<i>Trichoderma</i> sp.	0545	<i>Aspergillus flavus</i>
0469	<i>Aspergillus foetidus</i>	0546	<i>Aspergillus terreus</i>
0470	<i>Trichoderma viride</i>	0548	<i>Fusarium</i> sp.
0471	<i>Penicillium</i> sp.	0549	<i>Helminthosporium</i> sp.
0472B	<i>Penicillium decumbens</i>	0550	<i>Penicillium brevi-compactum</i>
0475	<i>Aspergillus granulosis</i>	0553	<i>Penicillium godlewskii</i>
0476	<i>Fusarium</i> sp.	0554	<i>Penicillium luteum</i>
0479	<i>Aspergillus fumigatus</i>	0556	<i>Paecilomyces</i> sp.
0479A	<i>Paecilomyces</i> sp.	0557	<i>Penicillium</i> sp.
0480	<i>Trichoderma viride</i>	0558	<i>Trichoderma viride</i>
0481	<i>Hormoconis resinae</i>	0559	<i>Penicillium</i> sp.
0482	<i>Hormoconis resinae</i>	0560	<i>Penicillium</i> sp.
0484	<i>Fusarium</i> sp.	0561	<i>Aspergillus niger</i>
0488	<i>Aureobasidium pullulans</i>	0562	<i>Penicillium oxalicum</i>
0489	<i>Penicillium frequentans</i>	0563	<i>Penicillium</i> sp.

0564	<i>Arthrimum phaeospermum</i>	0651	<i>Phoma</i> sp.
0565	<i>Penicillium</i> sp.	0653	<i>Penicillium</i> sp.
0566	<i>Paecilomyces victoriae</i>	0657	<i>Penicillium</i> sp.
0569	<i>Penicillium decumbens</i>	0663	<i>Pithomyces</i> sp.
0570	<i>Penicillium chermesinum</i>	0668	<i>Chrysosporium keratinophilum</i>
0572	<i>Penicillium frequentans</i>	0669	<i>Fusarium</i> sp.
0573	<i>Penicillium</i> sp.	0671	<i>Paecilomyces</i> sp.
0574	<i>Penicillium brevi-compactum</i>	0672	<i>Penicillium</i> sp.
0577	<i>Penicillium</i> sp.	0673	<i>Fusarium</i> sp.
0578	<i>Penicillium sclerotiorum</i>	0675	<i>Phialophora</i> sp.
0579	<i>Penicillium</i> sp.	0676	<i>Fusarium</i> sp.
0580	<i>Penicillium brevi-compactum</i>	0677	<i>Paecilomyces farinosus</i>
0582	<i>Penicillium</i> sp.	0678	<i>Periconia hispidula</i>
0583	<i>Penicillium simplicissimum</i>	0681	<i>Periconia hispidula</i>
0584	<i>Penicillium</i> sp.	0683	<i>Curvularia senegalensis</i>
0585	<i>Penicillium citrinum</i>	0684	<i>Bipolaris</i> sp.
0586	<i>Penicillium citrinum</i>	0685	<i>Curvularia senegalensis</i>
0587	<i>Paecilomyces lilacinus</i>	0686	<i>Helminthosporium</i> sp.
0588	<i>Penicillium brevi-compactum</i>	0689	<i>Periconia</i> sp.
0589	<i>Penicillium brevi-compactum</i>	0690	<i>Fusarium</i> sp.
0590	<i>Penicillium</i> sp.	0691	<i>Penicillium janthinellum</i>
0591	<i>Aspergillus sydowi</i>	0692	<i>Paecilomyces varioti</i>
0592	<i>Paecilomyces varioti</i>	0693	<i>Phialophora</i> sp.
0593	<i>Paecilomyces varioti</i>	0700	<i>Paecilomyces varioti</i>
0594	<i>Paecilomyces varioti</i>	0701	<i>Aspergillus tamaris</i>
0595	<i>Cladosporium</i> sp.	0702	<i>Aspergillus</i> sp.
0596	<i>Penicillium citrinum</i>	0703	<i>Penicillium citrinum</i>
0598	<i>Aspergillus ornatus</i>	0704	<i>Penicillium roqueforti</i>
0601	<i>Penicillium</i> sp.	0709	<i>Aspergillus candidus</i>
0604	<i>Penicillium jenseni</i>	0713	<i>Aspergillus sydowi</i>
0606	<i>Penicillium</i> sp.	0716	<i>Penicillium brevi-compactum</i>
0607	<i>Penicillium</i> sp.	0717	<i>Chaetomium olivaceum</i>
0608	<i>Penicillium sclerotiorum</i>	0718	<i>Trichoderma lignorum</i>
0611	<i>Penicillium</i> sp.	0719	<i>Penicillium citrinum</i>
0613	<i>Penicillium</i> sp.	0720	<i>Aspergillus fumigatus</i>
0616	<i>Rhinochadiella</i> sp.	0721	<i>Penicillium janthinellum</i>
0622	<i>Chaetomium olivaceum</i>	0723	<i>Hormoconis resinae</i>
0623	<i>Hormoconis resinae</i>	0724	<i>Hormoconis resinae</i>
0625	<i>Scopulariopsis</i> sp.	0732	<i>Rhinochadiella</i> sp.
0628	<i>Fusarium</i> sp.	0733	<i>Hormoconis resinae</i>
0633	<i>Penicillium</i> sp.	0735	<i>Paecilomyces varioti</i>
0634	<i>Aspergillus</i> sp.	0735	<i>Phoma</i> sp.
0635	<i>Chaetomium globosum</i>	0736	<i>Phialophora</i> sp.
0637	<i>Myrothecium verrucaria</i>	0737	<i>Fusarium</i> sp.
0638	<i>Cladosporium resinae</i>	0740	<i>Aureobasidium pullulans</i>
0640	<i>Pithomyces</i> sp.	0746	<i>Aspergillus terreus</i>
0648	<i>Helminthosporium</i> sp.	0748	<i>Mucor</i> sp.
0649	<i>Alternaria</i> sp.	0749	<i>Aspergillus restrictus</i>
0650	<i>Curvularia pallescens</i>	0750	<i>Paecilomyces fumoso-roseus</i>

0752	<i>Fusarium</i> sp.	0841	<i>Paecilomyces</i> sp.
0753	<i>Humicola</i> sp.	0842	<i>Mucor</i> sp.
0756	<i>Aspergillus fumigatus</i>	0843	<i>Phialophora</i> sp.
0757	<i>Aspergillus terreus</i>	0844	<i>Penicillium</i> sp.
0758	<i>Mucor</i> sp.	0845	<i>Pithomyces</i> sp.
0759	<i>Aspergillus fumigatus</i>	0846	<i>Chaetomium</i> sp.
0760	<i>Aspergillus niger</i>	0850	<i>Penicillium</i> sp.
0761	<i>Fusarium</i> sp.	0852	<i>Pestalotia</i> sp.
0764	<i>Penicillium luteum</i>	0853	<i>Alysidium</i> sp.
0765	<i>Penicillium duclauxi</i>	0854	<i>Penicillium</i> sp.
0768	<i>Curvularia</i> sp.	0855	<i>Aspergillus ornatus</i>
0771	<i>Aspergillus</i> sp.	0856	<i>Periconia atropurpurea</i>
0772	<i>Paecilomyces</i> sp.	0858	<i>Stemphylium</i> sp.
0773	<i>Geotrichum</i> sp.	0859	<i>Stemphylium</i> sp.
0774	<i>Cunninghamella</i> sp.	0860	<i>Alternaria</i> sp.
0776	<i>Fusarium</i> sp.	0861	<i>Coniothyrium fuckelii</i>
0777	<i>Periconia hispidula</i>	0862	<i>Chaetomium bostrychodes</i>
0779	<i>Periconia hispidula</i>	0864	<i>Chaetomium</i> sp.
0782	<i>Fusarium</i> sp.	0868	<i>Penicillium</i> sp.
0784	<i>Nigrospora sphaerica</i>	0869	<i>Mucor</i> sp.
0785	<i>Verticillium psalliotae</i>	0870	<i>Aspergillus niger</i>
0787	<i>Paecilomyces</i> sp.	0871	<i>Aspergillus flavus</i>
0788	<i>Penicillium</i> sp.	0872	<i>Mucor</i> sp.
0789	<i>Penicillium</i> sp.	0873	<i>Chaetomium</i> sp.
0790	<i>Penicillium funiculosum</i>	0874	<i>Chaetomium</i> sp.
0797	<i>Cladosporium</i> sp.	0875	<i>Paecilomyces varioti</i>
0798	<i>Chaetomium globosum</i>	0876	<i>Phialophora</i> sp.
0802	<i>Penicillium decumbens</i>	0877	<i>Phialophora</i> sp.
0805	<i>Cladosporium sphaerospermum</i>	0879	<i>Aspergillus niger</i>
0806	<i>Curvularia eragrostidis</i>	0880	<i>Penicillium</i> sp.
0807	<i>Aspergillus terricola</i>	0881	<i>Penicillium</i> sp.
0808	<i>Penicillium</i> sp.	0882	<i>Aspergillus candidus</i>
0809	<i>Aspergillus flavus</i>	0883	<i>Aspergillus</i> sp.
0810	<i>Penicillium decumbens</i>	0886	<i>Ulocladium</i> sp.
0811	<i>Aspergillus phoenicus</i>	0887	<i>Penicillium chrysogenum</i>
0812	<i>Penicillium luteum</i>	0888	<i>Periconia</i> sp.
0813	<i>Aspergillus fischeri</i>	0891	<i>Ulocladium</i> sp.
0814	<i>Syncephalastrum</i> sp.	0892	<i>Fusarium</i> sp.
0815	<i>Penicillium</i> sp.	0893	<i>Penicillium corylophilum</i>
0816	<i>Curvularia inequalis</i>	0894	<i>Penicillium variabile</i>
0818	<i>Cladosporium</i> sp.	0895	<i>Penicillium luteum</i>
0820	<i>Stigmina</i> sp.	0896	<i>Trichothecium roseum</i>
0821	<i>Penicillium</i> sp.	0897	<i>Byssochlamys fulva</i>
0823	<i>Arthrimum sacchari</i>	0898	<i>Veronaea botryosa</i>
0825	<i>Curvularia senegalensis</i>	0899	<i>Periconiella echinocloae</i>
0827	<i>Pestalotia</i> sp.	0901	<i>Cladosporium</i> sp.
0836	<i>Cladosporium</i> sp.	0904	<i>Paecilomyces burci</i>
0838	<i>Paecilomyces</i> sp.	0907	<i>Penicillium verruculosum</i>
0840	<i>Alternaria</i> sp.	0908	<i>Fusidium</i> sp.

0914	<i>Pseudallescheria boydii</i>	0983	<i>Phoma eupyrena</i>
0915	<i>Penicillium brevi-compactum</i>	0984	<i>Ulocladium consortiale</i>
0916	<i>Memnoniella echinata</i>	0986	<i>Hansfordia pulvinata</i>
0917	<i>Chaetomium globosum</i>	0987	<i>Coniothyrium fuckelii</i>
0918	<i>Stachybotrys chartarum</i>	0991	<i>Cladosporium sp.</i>
0920	<i>Aspergillus niger</i>	0992	<i>Aspergillus terreus</i>
0921	<i>Penicillium janthinellum</i>	0993	<i>Aspergillus sp.</i>
0922	<i>Trichoderma viride</i>	0994	<i>Pithomyces sp.</i>
0923	<i>Aspergillus flavus</i>	0996	<i>Penicillium variabile</i>
0924	<i>Syncephalastrum racemosum</i>	0997	<i>Nigrospora panici</i>
0925	<i>Humicola grisea</i>	1007	<i>Penicillium luteum</i>
0926	<i>Penicillium cyclopium</i>	1009	<i>Aspergillus japonicus</i>
0927	<i>Penicillium luteum</i>	1010	<i>Aspergillus heteromorphus</i>
0928	<i>Alysidium sp.</i>	1011	<i>Humicola sp.</i>
0929	<i>Paecilomyces varioti</i>	1013	<i>Alternaria sp.</i>
0930	<i>Hormoconis resinae</i>	1014	<i>Fusarium oxysporum</i>
0931	<i>Aspergillus versicolor</i>	1015	<i>Cephalosporium sp.</i>
0932	<i>Penicillium javanicum</i>	1016	<i>Hyalodendron sp.</i>
0933	<i>Phialophorophoma sp.</i>	1017	<i>Fusarium solani</i>
0935	<i>Lichenophoma sp.</i>	1020	<i>Aureobasidium pullulans</i>
0936	<i>Leptosphaerulina australis</i>	1021	<i>Cladosporium sp.</i>
0938	<i>Myrothecium verrucaria</i>	1023	<i>Fusarium sp.</i>
0939	<i>Penicillium sp.</i>	1024	<i>Fusarium sp.</i>
0940	<i>Paecilomyces sp.</i>	1025	<i>Stachybotrys sp.</i>
0941	<i>Penicillium sp.</i>	1026	<i>Hormoconis resinae</i>
0942	<i>Phialophora sp.</i>	1031	<i>Hansfordia sp.</i>
0944	<i>Paecilomyces victoriae</i>	1034	<i>Aspergillus fumigatus</i>
0945	<i>Penicillium sp.</i>	1036	<i>Pithomyces chartarum</i>
0949	<i>Aspergillus niger</i>	1042	<i>Cladosporium sp.</i>
0950	<i>Paecilomyces varioti</i>	1043	<i>Phoma eupyrena</i>
0951	<i>Aspergillus fumigatus</i>	1044	<i>Scytalidium sp.</i>
0952	<i>Penicillium sp.</i>	1045	<i>Ulocladium atrum</i>
0953	<i>Penicillium frequentans</i>	1047	<i>Trichoderma sp.</i>
0954	<i>Aspergillus terreus</i>	1048	<i>Aspergillus sydowi</i>
0955	<i>Penicillium sp.</i>	1049	<i>Penicillium luteum</i>
0956	<i>Leptosphaerulina australis</i>	1050	<i>Penicillium sp.</i>
0959	<i>Penicillium sp.</i>	1051	<i>Phialophora sp.</i>
0963	<i>Aureobasidium pullulans</i>	1053	<i>Matruchotia varians</i>
0964	<i>Penicillium sp.</i>	1054	<i>Ulocladium alternariae</i>
0965	<i>Trichoderma sp.</i>	1055	<i>Alternaria sp.</i>
0967	<i>Aspergillus sp.</i>	1056	<i>Aspergillus glaucus</i>
0969	<i>Penicillium citrinum</i>	1057	<i>Fusarium sp.</i>
0974	<i>Rhinocladiella sp.</i>	1058	<i>Mortierella ramanniana</i>
0975	<i>Epicoccum nigrum</i>	1059	<i>Penicillium corylophilum</i>
0976	<i>Cladosporium elatum</i>	1061	<i>Gonatobotryum sp.</i>
0977	<i>Hyalodendron sp.</i>	1062	<i>Acremonium implicatum</i>
0979	<i>Cladosporium sp.</i>	1065	<i>Acremonium implicatum</i>
0980	<i>Paecilomyces sp.</i>	1066	<i>Alternaria sp.</i>
0982	<i>Scolecobasidium sp.</i>	1067	<i>Scolecobasidium sp.</i>

1068	<i>Penicillium chrysogenum</i>	1125	<i>Ulocladium atrum</i>
1069	<i>Epicoccum nigrum</i>	1126	<i>Alternaria</i> sp.
1070	<i>Tritirachium roseum</i>	1127	<i>Penicillium digitatum</i>
1071	<i>Rhinocladiella</i> sp.	1128	<i>Alternaria cheiranthi</i>
1072	<i>Fusarium nivale</i>	1129	<i>Stemphylium</i> sp.
1073	<i>Ulocladium atrum</i>	1130	<i>Monilinia</i> sp.
1075	<i>Penicillium ochrochloron</i>	1131	<i>Scolecobasidium constrictum</i>
1076	<i>Sporotrichum</i> sp.	1132	<i>Cladosporium</i> sp.
1079	<i>Botrytrichum</i> sp.	1133	<i>Penicillium</i> sp.
1080	<i>Curvularia lunata</i>	1134	<i>Penicillium</i> sp.
1081	<i>Curvularia eragrostidis</i>	1135	<i>Cochliobolus bicolor</i>
1082	<i>Curvularia prasadii</i>	1137	<i>Penicillium corylophilum</i>
1083	<i>Curvularia brachyspora</i>	1138	<i>Ulocladium chartarum</i>
1084	<i>Curvularia fallax</i>	1139	<i>Curvularia verruculosa</i>
1085	<i>Curvularia affinis</i>	1140	<i>Curvularia eragrostidis</i>
1086	<i>Curvularia pallescens</i>	1141	<i>Curvularia verruculosa</i>
1087	<i>Curvularia prasadii</i>	1142	<i>Curvularia clavata</i>
1088	<i>Curvularia clavata</i>	1143	<i>Curvularia</i> sp.
1089	<i>Curvularia oryzae</i>	1144	<i>Curvularia verruculosa</i>
1090	<i>Curvularia senegalensis</i>	1145	<i>Curvularia harveyi</i>
1091	<i>Curvularia inequalis</i>	1146	<i>Curvularia prasadii</i>
1092	<i>Curvularia eragrostidis</i>	1147	<i>Curvularia penniseti</i>
1093	<i>Curvularia lunata</i>	1148	<i>Curvularia pallescens</i>
1094	<i>Leptodontium elatium</i>	1149	<i>Curvularia</i> sp.
1095	<i>Gliomastix</i> sp.	1150	<i>Curvularia lunata</i> var. <i>aeria</i>
1096	<i>Phoma eupyrena</i>	1151	<i>Curvularia</i> sp.
1097	<i>Aspergillus fumigatus</i>	1152	<i>Curvularia lunata</i> var. <i>aeria</i>
1098	<i>Penicillium</i> sp.	1153	<i>Dreschlera papendorfi</i>
1099	<i>Paecilomyces</i> sp.	1154	<i>Curvularia geniculata</i>
1100	<i>Curvularia lunata</i>	1155	<i>Curvularia</i> sp.
1101	<i>Curvularia prasadii</i>	1156	<i>Curvularia senegalensis</i>
1102	<i>Aspergillus glaucus</i>	1157	<i>Curvularia senegalensis</i>
1103	<i>Hormeconis resiniae</i>	1158	<i>Curvularia pallescens</i>
1104	<i>Nodulisporium gregarium</i>	1159	<i>Curvularia senegalensis</i>
1108	<i>Alternaria</i> sp.	1160	<i>Curvularia senegalensis</i>
1109	<i>Cladosporium</i> sp.	1161	<i>Curvularia senegalensis</i>
1110	<i>Cladosporium</i> sp.	1162	<i>Curvularia affinis</i>
1111	<i>Penicillium</i> sp.	1163	<i>Curvularia senegalensis</i>
1112	<i>Penicillium</i> sp.	1164	<i>Curvularia senegalensis</i>
1113	<i>Cladosporium</i> sp.	1167	<i>Curvularia eragrostidis</i>
1114	<i>Cladosporium</i> sp.	1168	<i>Curvularia eragrostidis</i>
1115	<i>Cladosporium</i> sp.	1169	<i>Curvularia pallescens</i>
1116	<i>Cladosporium</i> sp.	1170	<i>Curvularia senegalensis</i>
1117	<i>Cladosporium</i> sp.	1171	<i>Curvularia senegalensis</i>
1118	<i>Cladosporium</i> sp.	1172	<i>Curvularia eragrostidis</i>
1119	<i>Cladosporium</i> sp.	1173	<i>Curvularia eragrostidis</i>
1120	<i>Cladosporium</i> sp.	1174	<i>Curvularia eragrostidis</i>
1121	<i>Curvularia senegalensis</i>	1175	<i>Curvularia cantenulata</i>
1122	<i>Penicillium rubrum</i>	1177	<i>Curvularia prasadii</i>

1178	<i>Curvularia senegalensis</i>	1241	<i>Chaetomium tortile</i>
1179	<i>Curvularia senegalensis</i>	1243	<i>Chaetomium</i> sp.
1180	<i>Curvularia senegalensis</i>	1244	<i>Alternaria</i> sp.
1182	<i>Curvularia eragrostidis</i>	1245	<i>Penicillium</i> sp.
1183	<i>Chrysosporium</i> sp.	1246	<i>Aspergillus</i> sp.
1184	<i>Curvularia lunata</i>	1248	<i>Chaetomium</i> sp.
1185	<i>Curvularia senegalensis</i>	1249	<i>Pestalotia hordeidestrua</i>
1187	<i>Curvularia prasadii</i>	1250	<i>Nigrospora oryzae</i>
1188	<i>Curvularia brachyspora</i>	1251	<i>Trimmatostroma salicis</i>
1189	<i>Curvularia</i> sp.	1252	<i>Paecilomyces</i> sp.
1190	<i>Curvularia lunata</i>	1253	<i>Cladosporium</i> sp.
1191	<i>Curvularia intermedia</i>	1254	<i>Paecilomyces</i> sp.
1192	<i>Curvularia clavata</i>	1255	<i>Rhinocladiella</i> sp.
1193	<i>Curvularia tritici</i>	1256	<i>Fusarium</i> sp.
1194	<i>Curvularia</i> sp.	1259	<i>Cladosporium sphaerospermum</i>
1195	<i>Dreschlera spicifera</i>	1260	<i>Nigrospora oryzae</i>
1198	<i>Curvularia eragrostidis</i>	1261	<i>Helminthosporium</i> sp.
1199	<i>Chaetomium globosum</i>	1262	<i>Curvularia eragrostidis</i>
1202	<i>Penicillium luteum</i>	1263	<i>Curvularia</i> sp.
1203	<i>Curvularia inequalis</i>	1264	<i>Curvularia pallescens</i>
1204	<i>Curvularia affinis</i>	1269	<i>Sclerotium</i> sp.
1205	<i>Fusarium</i> sp.	1270	<i>Aspergillus flavipes</i>
1206	<i>Rhinocladiella</i> sp.	1272	<i>Chaetomium spinosum</i>
1207	<i>Curvularia</i> sp.	1273	<i>Didymobotryum</i> sp.
1209	<i>Curvularia</i> sp.	1274	<i>Pithomyces sacchari</i>
1210	<i>Curvularia eragrostidis</i>	1275	<i>Alternaria</i> sp.
1211	<i>Curvularia</i> sp.	1276	<i>Curvularia brachyspora</i>
1213	<i>Chrysosporium</i> sp.	1277	<i>Phoma</i> sp.
1214	<i>Penicillium expansum</i>	1278	<i>Fusarium</i> sp.
1216	<i>Cladosporium cladosporioides</i>	1279	<i>Botrytis</i> sp.
1217	<i>Botryodiplodia</i> sp.	1280	<i>Pithomyces</i> sp.
1218	<i>Pithomyces</i> sp.	1281	<i>Fusarium</i> sp.
1219	<i>Rhinocladiella</i> sp.	1282	<i>Curvularia pallescens</i>
1220	<i>Curvularia senegalensis</i>	1283	<i>Phoma</i> sp.
1221	<i>Phialophora</i> sp.	1284	<i>Rhinocladiella</i> sp.
1222	<i>Curvularia ovoidea</i>	1286	<i>Phoma</i> sp.
1223	<i>Chaetomium</i> sp.	1287	<i>Helminthosporium</i> sp.
1225	<i>Pithomyces</i> sp.	1288	<i>Actinonema</i> sp.
1226	<i>Botryodiplodia</i> sp.	1289	<i>Hyalodendron</i> sp.
1228	<i>Nigrospora sphaerica</i>	1290	<i>Acremoniella atra</i>
1229	<i>Pithomyces</i> sp.	1292	<i>Torula caligans</i>
1231	<i>Pithomyces</i> sp.	1293	<i>Spegazzinia lobulata</i>
1232	<i>Pithomyces</i> sp.	1295	<i>Dreschlera australiensis</i>
1233	<i>Pithomyces</i> sp.	1296	<i>Epicoccum nigrum</i>
1235	<i>Curvularia</i> sp.	1297	<i>Curvularia uncinata</i>
1236	<i>Curvularia lunata</i>	1298	<i>Leptosphaerulina australis</i>
1237	<i>Curvularia senegalensis</i>	1299	<i>Phialophora</i> sp.
1238	<i>Curvularia</i> sp.	1301	<i>Curvularia</i> sp.
1239	<i>Curvularia</i> sp.	1302	<i>Curvularia</i> sp.

1303	<i>Curvularia</i> sp.	1358	<i>Penicillium luteum</i>
1305	<i>Periconia</i> sp.	1359	<i>Curvularia richardiae</i>
1306	<i>Periconia</i> sp.	1359	<i>Epicoccum nigrum</i>
1307	<i>Torula</i> sp.	1361	<i>Alternaria</i> sp.
1308	<i>Phoma</i> sp.	1364	<i>Monodictys</i> sp.
1309	<i>Paecilomyces</i> sp.	1370	<i>Cladosporium</i> sp.
1310	<i>Pithomyces</i> sp.	1374	<i>Cladosporium</i> sp.
1311	<i>Aspergillus</i> sp.	1375	<i>Cladosporium</i> sp.
1312	<i>Curvularia</i> sp.	1376	<i>Cladosporium</i> sp.
1313	<i>Phoma</i> sp.	1378	<i>Cercospora</i> sp.
1314	<i>Curvularia</i> sp.	1380	<i>Sporothrix</i> sp.
1315	<i>Aureobasidium pullulans</i>	1384	<i>Alternaria</i> sp.
1316	<i>Chaetomium</i> sp.	1385	<i>Aureobasidium pullulans</i>
1317	<i>Helminthosporium</i> sp.	1386	<i>Chaetomium</i> sp.
1319	<i>Cladosporium sphaerospermum</i>	1389	<i>Stephanosporium cereales</i>
1320	<i>Nigrospora sphaerica</i>	1390	<i>Cladosporium chlorocephalum</i>
1321	<i>Alternaria</i> sp.	1391	<i>Aspergillus versicolor</i>
1322	<i>Nigrospora sphaerica</i>	1392	<i>Aspergillus ornatus</i>
1325	<i>Fusarium</i> sp.	1395	<i>Curvularia affinis</i>
1326	<i>Trichoderma</i> sp.	1396	<i>Curvularia inequalis</i>
1327	<i>Syncephalastrum</i> sp.	1398	<i>Pestotia</i> sp.
1328	<i>Stachybotrys</i> sp.	1400	<i>Rhinoctadiella</i> sp.
1329	<i>Alternaria</i> sp.	1404	<i>Curvularia</i> sp.
1330	<i>Stemphylium</i> sp.	1405	<i>Alternaria</i> sp.
1331	<i>Pestotia</i> sp.	1408	<i>Fusarium</i> sp.
1333	<i>Phoma</i> sp.	1414	<i>Scopulariopsis brevicaulis</i>
1334	<i>Ulocladium</i> sp.	1416	<i>Stachybotrys chartarum</i>
1335	<i>Cladosporium herbarium</i>	1418	<i>Aspergillus amstelodami</i>
1336	<i>Penicillium herquei</i>	1420A	<i>Aspergillus foetidus</i>
1337	<i>Rhinoctadiella</i> sp.	1420B	<i>Aspergillus foetidus</i>
1338	<i>Penicillium</i> sp.	1425	<i>Alternaria</i> sp.
1339	<i>Cladosporium</i> sp.	1427	<i>Penicillium</i> sp.
1340	<i>Curvularia</i> sp.	1429A	<i>Ramichloridium</i> sp.
1342	<i>Rhinoctadiella</i> sp.	1431	<i>Piptocephalus</i> sp.
1343	<i>Alternaria</i> sp.	1440	<i>Ramichloridium subulatum</i>
1344	<i>Tritirachum roseum</i>	1444	<i>Gliocladium</i> sp.
1345	<i>Chaetomium</i> sp.	1446	<i>Sclerotium</i> sp.
1346	<i>Helminthosporium</i> sp.	1501	<i>Rhinoctadiella</i> sp.
1347	<i>Aspergillus</i> sp.	1504	<i>Pyricularia</i> sp.
1348	<i>Aureobasidium pullulans</i>	1512	<i>Scopulariopsis</i> sp.
1349	<i>Rhinoctadiella</i> sp.	1516	<i>Sporothrix</i> sp.
1350	<i>Stachybotrys</i> sp.	1519	<i>Septonema secedens</i>
1351	<i>Phoma</i> sp.	1521	<i>Veronea</i> sp.
1352	<i>Cephalosporium</i> sp.	1527	<i>Pithomyces</i> sp.
1353	<i>Gliomastix</i> sp.	1544	<i>Septonema</i> sp.
1354	<i>Trichoderma viride</i>	1545	<i>Ramichloridium</i> sp.
1355	<i>Aspergillus flavus</i>	1547	<i>Exophiala</i> sp.
1356	<i>Aspergillus niger</i>	1550	<i>Conioscypha</i> sp.
1357	<i>Paecilomyces varioti</i>	1551	<i>Rhinoctadiella</i> sp.

1556	Ramichloridium sp.	1654	Aspergillus quercinus
1557	Paecilomyces sp.	1656	Acremoniula sarcinella
1559	Fusarium sp.	1658	Chloridium sp.
1564	Scopulariopsis sp.	1662	Cladosporium cladosporioides
1566	Ulocladium sp.	1667	Cladosporium cladosporioides
1567	Cladosporium sphaerospermum	1668	Ramichloridium sp.
1568	Cladosporium cladosporioides	1670	Ulocladium sp.
1569	Rhinocladiella sp.	1671	Aspergillus versicolor
1570	Cladosporium sphaerospermum	1673	Aspergillus glaucus
1571	Cladosporium sp.	1675	Scopulariopsis brevicaulis
1574	Penicillium sp.	1676	Cladosporium sphaerospermum
1576	Cladosporium sp.	1679	Sporotrichum sp.
1578	Cladosporium cladosporioides	1680	Alternaria sp.
1579	Epicoccum nigrum	1681	Aspergillus niger
1583	Cladosporium cladosporioides	1682	Aspergillus fumigatus
1588	Cladosporium sphaerospermum	1683	Aspergillus flavus
1590	Cephalosporium sp.	1684	Aspergillus glaucus
1592	Dactylaria sp.	1685	Paecilomyces sp.
1593	Dendryphiella sp.	1686	Aspergillus versicolor
1598	Cladosporium cladosporioides	1687	Penicillium sp.
1601	Cladosporium sp.	1688	Aspergillus glaucus
1602	Cladosporium cladosporioides	1689	Paecilomyces sp.
1605	Cladosporium cladosporioides	1690	Penicillium sp.
1609	Curvularia sp.	1691	Scopulariopsis brevicaulis
1611	Cladosporium sp.	1692	Mucor sp.
1615	Dendryphiella sp.	1693	Epicoccum nigrum
1617	Ramichloridium sp.	1694	Fusarium sp.
1637	Penicillium echinatum	1695	Penicillium sp.
1638	Nigrospora sphaerica	1696	Aspergillus sp.
1651	Cladosporium sp.		

6. Cultures for Testing the Resistance of Materials to Fungal Growth

Australian Standard 1157, Methods of Testing Materials for Resistance to Fungal Growth. Standards Association of Australia, Sydney, 1972-78

Part 2 - Textiles

<i>Aspergillus niger</i> van Tieghem	AMRL	72
<i>Chaetomium globosum</i> Kunze	AMRL	74

Part 3 - Cordage and Yarns

<i>Chaetomium globosum</i> Kunze	AMRL	74
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Part 4 - Coated Fabrics

<i>Alternaria radicina</i> Dreschler & Eddy	AMRL	523
<i>Aspergillus niger</i> van Tieghem	AMRL	72
<i>Aspergillus flavus</i> Link	AMRL	5
<i>Chaetomium globosum</i> Kunze	AMRL	74
<i>Paecilomyces varioti</i> Bainier	AMRL	436
<i>Syncephalastrum racemosum</i> (Cohn) Schröter	AMRL	427

Part 5 - Timber

<i>Aspergillus flavus</i> Link	AMRL	5
<i>Paecilomyces varioti</i> Bainier	AMRL	436
<i>Penicillium janthinellum</i> Biourge	AMRL	691
<i>Ulocladium consortiale</i> (Thum) Hughes	AMRL	984

Part 6 - Leather

<i>Aspergillus awamori</i> Nakazawa	AMRL	519
<i>Aspergillus flavus</i> Link	AMRL	5
<i>Paecilomyces varioti</i> Bainier	AMRL	436

Part 7 - Paper and paper products

<i>Aspergillus flavus</i> Link	AMRL	5
<i>Aspergillus niger</i> van Tieghem	AMRL	72
<i>Penicillium corylophilum</i> Dierckx	AMRL	1059

Part 10 - Adhesives and Glues and

Part 11 - Rubbers and Plastics

<i>Alternaria radicina</i> Meier, Dreschler & Eddy	AMRL	523
<i>Aspergillus flavus</i> Link	AMRL	5
<i>Aspergillus niger</i> van Tieghem	AMRL	72
<i>Paecilomyces varioti</i> Bainier	AMRL	436
<i>Syncephalastrum racemosum</i> (Cohn) Schröter	AMRL	427

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ABSTRACT

The Australian National Collection of Biodeterioration Microfungi is held at DSTO-AMRL, Maribyrnong, Vic. For over fifty years, it has been the repository for microfungi from diverse sources, mainly from materials and equipment. It is now a resource for taxonomic and physiological assessment, potential tools in biotechnology and for testing purposes. This is the first published catalogue of the collection.

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Catalogue of the Australian National Collection of Biodeterioration Microfungi

F. John Upsher and Corinne M. Upsher

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