



# FUNGI

Editor

**Paul A. Mistretta, BU2002**



## Cuba – December 15, 2005

|      |     |                                    |                  |
|------|-----|------------------------------------|------------------|
| 4551 | 10¢ | <i>Clathrus cancellatus</i>        | Clathraceae      |
| 4553 | 30¢ | <i>Lepiota puellaris</i>           | Lepiotaceae      |
| 4555 | 75¢ | <i>Clitocybe infundibuliformis</i> | Tricholomataceae |

(Issued with two additional stamps and a souvenir sheet featuring snails)

## GABON – 1999

|      |       |                                                |             |
|------|-------|------------------------------------------------|-------------|
| 951A | 100fr | Amanite panthere ( <i>Amanita pantherina</i> ) | Amanitaceae |
| 951B | 125fr | Basidiomycetes                                 | -----       |
| 951C | 225fr | Basidiomycetes                                 | -----       |
| 951D | 260fr | Amanite tue-mouches                            | Amanitaceae |

## Greenland – May 22, 2006

|      |       |                                                        |                |
|------|-------|--------------------------------------------------------|----------------|
| 476  | 5.50k | <i>Rozites caperatus</i>                               | Cortinariaceae |
| 477  | 7k    | <i>Lactarius dryadophilus</i>                          | Russulaceae    |
| 478  | 10k   | <i>Calvatia cretacea</i>                               | Lycoperdaceae  |
| 479  | 5.50k | #476 as self-adhesive booklet stamp                    |                |
| 480  | 7k    | #477 as self-adhesive booklet stamp                    |                |
| 480a |       | Booklet pane = 3x #479 & 3x #480 – 2 panes per booklet |                |

## Guinea, Republic – June 14, 2001

1936d 450fr Alexander Fleming & mushrooms

## St. Thomas & Prince – 2003

1448g 5000d Alexander Fleming

## St. Thomas & Prince – 2003

|       |        |                                     |              |
|-------|--------|-------------------------------------|--------------|
| 1493a | 1000d  | <i>Xerocomus cubtomentosus</i>      | Xerocomaceae |
| 1493b | 2000d  | <i>Suillus placidus</i>             | Boletaceae   |
| 1493c | 3000d  | <i>Boletus edulis</i>               | Boletaceae   |
| 1493d | 5000d  | <i>Suillus variegatus</i>           | Boletaceae   |
| 1493e | 6000d  | <i>Tylopilus felleus</i>            | Boletaceae   |
| 1493f | 15000d | <i>Aureoboletus gentilis</i>        | Boletaceae   |
| 1494a | 1000d  | <i>Boletus edulis f. betulicola</i> | Boletaceae   |
| 1494b | 2000d  | <i>Boletus edulis f. pinicola</i>   | Boletaceae   |
| 1494c | 3000d  | <i>Boletus appendiculatus</i>       | Boletaceae   |
| 1494d | 5000d  | <i>Boletus fechtneri</i>            | Boletaceae   |

**St. Thomas & Prince – 2003 (Cont.)**

|       |        |                                     |               |
|-------|--------|-------------------------------------|---------------|
| 1494e | 6000d  | <i>Boletus impolitus</i>            | Boletaceae    |
| 1494f | 15000d | <i>Boletus impolitus</i>            | Boletaceae    |
| 1495a | 1000d  | <i>Russula nigricans</i>            | Russulaceae   |
| 1495b | 2000d  | <i>Lactarius volemus</i>            | Russulaceae   |
| 1495c | 3000d  | <i>Russula cyanoxantha</i>          | Russulaceae   |
| 1495d | 5000d  | <i>Gomphidius roseus</i>            | Gomphidiaceae |
| 1495e | 6000d  | <i>Russula integra</i>              | Russulaceae   |
| 1495f | 15000d | <i>Agaricus bisporus</i>            | Agaricaceae   |
| 1497  | 38000d | <i>Boletus edulis</i>               | Boletaceae    |
| 1498  | 38000d | <i>Boletus edulis f. betulicola</i> | Boletaceae    |
| 1499  | 38000  | <i>Agaricus bisporus</i>            | Agaricaceae   |

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**Taxonomic Abbreviations (Plus) on Stamps Showing Fungi (pt. 3)**

Nomenclature is the process of naming organisms to reflect a proposed system of relationships among organisms (a proposed taxonomy). Should a taxonomist disagree with the placement of, for example, a species in a given genus because of a set of criteria he or she is using to organize specimens, he will relocate the species in another preexisting, or newly named, genus. Nomenclature now kicks in and a set of internationally accepted rules takes over and determines the appropriate form the new name takes including the citation of the authorities for the new name. (Note that this type of manipulation of name occurs at all taxonomic levels – genera are moved among families, families can be shifted in orders, orders in classes, etc.) Nomenclature is similar in many ways to the provenance of an antique; it tells part of the story of where the name came from

Most commonly these authority names appear as a single name or a pair of names (or their abbreviations). Thus you may see single ‘attributions’ such as ‘Berk.’ or ‘Br.’, or paired names such as ‘Berk. & Br.’ In the case where only a single authority for the name is given only a single scientist was involved in determining the taxonomy of the organism named. In the case of the ‘&’ names, there was a collaboration between (or if more than 2 names – among) the scientists recognized in the attribution

There are *at least* three more formats in which you will find authorities listed: Scop. ex Fr.; (Fr.) Quel.; and, (Scop.: Fr.) Pers. Whereas the examples in the previous paragraph represent names as they are first used, the three forms here represent the authorities for names which have been changed since they were first published, or which were used before the 1821-1832 publication by Elias Fries of the three volumes of his *Systema mycologicum, sistens fungorum ordines, genera et species, huc usque cognitae, quas ad normam methodi naturalis determinavit, disposuit atque descripsit* generally referred to simply as his *Systema Mycologicum* or *Fries’ Systemma*.

The easiest of these three to explain is the simple parentheses around the first name(s) followed by another name(s) as in ‘(Fr.) Quel. Using a species name as an example (with authorities cited as just mentioned), Elias Fries named the species, placing it in a genus and giving rise to a new ‘sanctioned’ binomial name for the ‘type’ specimen(s). At some later date, Lucien Quelet reviewed Fries’ taxonomy and liked the species but did not think it was appropriately placed with respect to

genus. Quelet moved the existing (Friesian) species to another genus. Briefly it means Fries named it and Quelet moved it.

The other two forms relate to rules in the *International Code of Botanical Nomenclature* (the *ICBN*), the document that was developed to systematize the naming of plants (including fungi which are no longer considered to be in the Kingdom Plantae by most taxonomists). The fact that there are two different formats reflecting basically the same situation results from the fact that these rules changed significantly in the mid 1980s with respect to fungi. The earlier used ‘ex’ format was replaced by the ‘:’ form (also seen as ‘[...]’.) So what does this format of authorities mean?

When first accepted, the *ICBN* established ‘beginning points’ for the names of plants; the officially sanctioned names of vascular plants (green plants with a water conducting system of xylem (upward conducting) and phloem (downward conducting) tissues) was to begin with Linnaeus’ (Carl von Linne of Sweden) 1753 publication of his *Systema Plantarum...* Unfortunately, fungal nomenclature in Linnaeus’ work was not considered as advanced as the remainder of his work, so Fries *Systema* (noted above) was selected as the starting point for fungal nomenclature. Reflected in the initial set of *ICBN* rules was the sentiment that while 1821 had been selected, the 1753 date had real significance. The authors of several major works which predate the official starting date were to be recognized by including their names in the citation of the authorities for the name. Fries, himself, adopted many existing names (those of Persoon, Scoparius, Linnaeus, and others), and when these names were codified under the rules, the authority was recorded as \*\*\* ex Fr. or \*\*\* ex Fries. Thus the meaning of ‘ex’ was simply a statement that the authority before the ‘ex’ used the name before 1821 and the name was then ‘validated’ by the authority following the ‘ex’. Thus Pers. Ex Fr. Recognizes that Christiaan Persoon used the name before 1821, and Fries accepted its use and validated it in his post 1821 work.

For reasons of which I have very little understanding, in the mid 1980s the beginning date of fungal nomenclature was synchronized with other plants at 1753, and the rule regarding the citation of authorities was changed: a colon was substituted for the ‘ex’. The result was citations of authorities with the appearance of ‘Pers.:Fr.’ as opposed to ‘Pers. ex Fr.’ (Anyone who has a clearer explanation of the changeover of authority citations – please let me know and I’ll be glad to get it into this column [space available]).

With that brief overview of what the various abbreviations are and how to read (most of) them, I will begin to list authority abbreviations that are found on mushroom stamps with the full name of the mycologist, birth and death year and where they lived. I’ll tackle this alphabetically, no attempt will be made to order the men and women by their significance to mycological taxonomy at this time.

#### Authorities:

|             |                                     |           |                     |
|-------------|-------------------------------------|-----------|---------------------|
| Batsch      | August Johann Georg Carl Batsch     | 1761-1802 |                     |
| Beeli       | Maurice                             | 1879-     |                     |
| Berk. or B. | Rev. Miles Joseph Berkeley          | 1803-1889 | Great Britain       |
| Bond.       | Apollinarij Semyonovitch Bondartsev | 1877-1968 | Russia              |
| Boud.       | Jean Louis Emile Bodier             | 1828-1920 | Montmorency, France |
| Br.         | Christopher Edmund Broome           | 1812-1886 | Great Britain       |

|                  |                                         |            |                                 |
|------------------|-----------------------------------------|------------|---------------------------------|
| Britz.           | Max Britzelmar                          | 1839-1909  |                                 |
| BuCl.            | ? Help please                           |            |                                 |
| Bull.            | Jean Baptiste Francois Bulliard         | 1725-1793  | France                          |
| Buyck            | ? Help please                           |            |                                 |
| D. N. Pegler     | ?David N. Pegler                        |            | ?USA                            |
| Donk             | Marinus Anton Donk                      | 1908-1972  | the Netherlands                 |
| Fr.              | Elais Magnus Fries                      | 1794-1878  | Smalaland, Sweden               |
| Fuckel           | Karl Wilhelm Gotleib Fuckel             | 1821-1876  | German                          |
| Gray             | Samuel Frederick Gray                   | 1766-1836  | Great Britain                   |
| Harmaja          | ? Help please                           |            |                                 |
| Heim             | Roger Jean Heim                         | 1900-1979  | France                          |
| Hein.            | ? Help please                           |            |                                 |
| Kuh.             | Robert R. Kuhner                        |            |                                 |
| Kummer           | Paul Kummer                             | 1871-1885? |                                 |
| L.               | Carl Linnaeus (Carolus von Linne)       | 1707-1778  | Sweden                          |
| Mass.            | George Edward Massee                    | 1850-1917  | Great Britain                   |
| Matt.            | Oreste Mattriolo                        | 1856-1947  |                                 |
| Mich.            | Pier Antonio Micheli                    | 1679-1737  | Tuscany (now Italy)             |
| Mont.            | Jean Pierre Francois Camille Montagne   | 1784-1866  | France                          |
| Mre.             | Rene Maire                              | 1878-1949  | Algiers                         |
| Murr.            | William Alphonso Murrill                | 1869-1957  | United States                   |
| Pat.             | Narcisse Theophile Patouillard          | 1854-1926  | France                          |
| Pegl or Pegler   | see... D. N. Pegler                     |            |                                 |
| Pers. or Persoon | Christiaan Hendrik Persoon              | 1761-1836  | South Africa/<br>Germany/France |
| Pearce           | Newton Barris Pearce                    | 1856-1916  |                                 |
| Quel.            | Lucien Quelet                           | 1832-1916  |                                 |
| R. Heim.         | see... Heim                             |            |                                 |
| Rick             | Rev. Johann Rick, S.J.                  | 1869-1946  | Austria/Brazil                  |
| Rom.             | Henri Romagnesi                         |            |                                 |
| Rostk.           | Friedrich Wilhelm Theophil Rostovius    | 1770-1848  | Poland                          |
| Ryv.             | Lief Ryvaarden                          |            |                                 |
| Sacc.            | Pier Andrea Saccardo                    | 1845-1920  | Padua (now Italy)               |
| Schaeff.         | Jacob Christian Schaeffer               | 1718-1790  | Germany                         |
| Scop.            | Giovanni Antonio (Johann Anton) Scopoli | 1723-1788  | Italy                           |
| Secr.            | Louis Secretain                         | 1758-1839  |                                 |
| Shiff.           | ? Help please                           |            |                                 |
| Sing. or Singer  | Rolf Singer                             | 1906-?     | Germany                         |
| Sow.             | James Sowerby                           | 1757-1822  | Great Britain                   |
| Vahl.            | Martin Hendriksen Vahl                  | 1749-1804  |                                 |
| Vent.            | Antonio Venturi                         | 1805-1864  |                                 |
| Vitt.            | Carlo Vittadini                         | 1800-1865  |                                 |
| Wulf.            | Franz Xavier von Wulfen                 | 1728-1805  |                                 |
| Young            | ? Ester, Paul Allen, or T.W.K? Young    |            |                                 |

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