
AN APPRAISAL OF SCIENTIFIC NAMES USED IN THE 1915 LIST OF LICHENS OF THE MALTESE ISLANDS BY STEFANO SOMMIER AND ALFREDO CARUANA GATTO

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ABSTRACT

In 1915 Stefano Sommier and Alfredo Caruana Gatto published a list of lichens from the Maltese islands. Since then no other lists of local lichens have been published. This work reviews the lichen names appearing in the original checklist and, where relevant, alternative names are suggested based on contemporary usage.

INTRODUCTION

The lichen checklist published by Sommier and Caruana in the second volume of *Flora Melitensis Nova* (Sommier & Caruana Gatto, 1915) consists of 183 taxa with very brief notes indicating provenance. The lichens had been identified by Antonio Jatta. It remains the only publication which gives an idea of the lichen biodiversity that existed in our islands around a century ago. Since that date lichen taxonomical nomenclature has undergone great changes. Some generic names are not in use any more e.g. *Collemodium*. Several new genera have been proposed e.g. *Clauzadea* and several old generic names resurrected e.g. *Pyrenocollema*. Within a few years the nomenclature of several taxa is likely to change again (Nimis, 1993).

The best way to know which lichens were growing on our islands in 1915 is to examine the entire collection of local lichens at the University Herbarium, at Argotti Gardens, Floriana and to identify them using contemporary methods of identification and taxonomical nomenclature. Such a highly desirable exercise should be attempted in the future. However, finally, one would still want to compare such a list with the original one by Sommier and Gatto (Sommier & Gatto, 1915). Unless the latter checklist has not been converted into a format in which old taxa, where relevant, are replaced by synonyms, comparison is not possible.

In this work I have made an attempt to review the lichen names listed and to replace them, when appropriate, with those which are currently considered valid. Less used synonyms have been excluded. For obvious reasons the updated version does not correct any misidentifications.

Unless otherwise stated most of the new lichen names have been sourced from the text, *Lichens of Italy* (Nimis, 1993). P.L.Nimis is a member of the OPTIMA Commission for Lichens which is trying to compile an inventory of lichen

biodiversity of the Mediterranean (Nimis, 1996). Hence having our only old checklist converted to a form which is compatible with other Mediterranean checklists could be an initial small contribution to this project.

PROPERTIES OF MODIFIED CHECKLIST

For convenience, in the left hand column, the names of all 183 taxa which are listed in the old checklist are reproduced as they appeared originally. Provenance has been left out. The scientific name of the lichen as used today is given in the column on the right.

In some cases the name remains identical with maybe a change in authors only e.g. N^o. 162: *Verrucaria tabacina* Mass. In other cases, the lichen has a change in genus while still retaining its specific name e.g. N^o. 83: *Biatorina sylvestris* Arnd. Some of the lichens have had a change in their specific name still retaining their original generic name e.g. N^o. 41: *Caloplaca murorum* (Hffm.) Th. A complete change in scientific name has occurred in a few other cases e.g. N^o. 4: *Psorotichia riparia* Arnd. The sources used to trace lichen synonyms have been given only whenever this was not *Lichens of Italy* (Nimis, 1993)

The abbreviation "nrf" appears next to those lichen names for which no reference could be found. This was especially, but not always, the case for many of the varieties listed. Short explanatory notes have been added to some of the entries. A question mark after the suggested binomial suggests a certain amount of uncertainty. This is often explained in the accompanying note.

In some of the entries (e.g. N^{os}. 12, 19, 20, 48) a second binomial is included. Here some extent of disagreement between the two main reference texts used (Nimis, 1993; Clauzade & Roux, 1985) might have been encountered. This prompted me to include both synonyms.

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1. -- <i>Placynthium corallinoides</i> (Hoffm.) Krb	= <i>Placynthium nigrum</i> (Hudson) Gray
2. -- <i>Placynthium caesium</i> (Duf.) Mass.	= <i>Psorotrichia schaeereri</i> (Mass.) Arn.
3. -- <i>Psorotichia murorum</i> Mass.	= <i>Psorotichia murorum</i> Mass. = <i>Collemopsis murorum</i> (Massal.) Stiz (Clauz. & Roux, 1985)
4. -- <i>Psorotichia riparia</i> Arnd	= <i>Porocyphus rehmicus</i> (Flotow) Zahlbr.
5. -- <i>Enchylium Rubbianum</i> Mass	= <i>Forssellia affinis</i> (Massal.) Zahlbr (Cl. & Roux, 1985)
6. -- <i>Collema pulposum</i> Ach var. <i>granulosum</i> (Ach.) Krb. var. <i>compactum</i> Ach.	= <i>Collema tenax</i> (Sw.) Ach nrf nrf
7. -- <i>Collema cheileum</i> (Ach.) Nyl.	= <i>Collema crispum</i> (Ach) Ach (Coppins, 2002) (note 1)
8. -- <i>Collema limosum</i> (Ach.) Nyl	= <i>Collema limosum</i> (Ach.) Ach.
9. -- <i>Collema tenax</i> (Sw.) Ach	= <i>Collema tenax</i> (Sw.) Ach.
10. -- <i>Collema palmatum</i> (non DC) Schaer.	= <i>Collema tenax</i> (Sw) Ach.
11. -- <i>Collema Meliteum</i> Jatta var. <i>conglomeratum</i> Jatta (endemic)	= <i>Collema tenax</i> (Sw.) Ach. = <i>C. tenax</i> (Sw.) Ach.
12. -- <i>Collema granosum</i> Wlf.	= <i>Collema auriforme</i> (With.) Coppins & Laundon = <i>C. auriculatum</i> Hoffm. (Clauz. & Roux, 1985)
13. -- <i>Synechoblastus flaccidus</i> Krb var. <i>hydrelus</i> (Fw.) Krb.	= <i>Collema subflaccidum</i> Degel. nrf
14. -- <i>Collemodium subplicatile</i> Nyl	= <i>Leptogium plicatile</i> (Ach.) Leight.? (note 2)
15. -- <i>Collemodium turgidum</i> (Schaer.) Nyl.	nrf (note 3)
16. -- <i>Leptogium lacerum</i> (Ach.) Nyl.	= <i>Leptogium lichenoides</i> (L.) Zahlbr.
17. -- <i>Leptogium Schraderi</i> Nyl.	= <i>Leptogium schraderi</i> Nyl.
18. -- <i>Leptogium tenuissimum</i> (Dcks.) Krb.	= <i>Leptogium tenuissimum</i> (Dcks.) Krb.
19. -- <i>Leptogium subtile</i> (Sm.) Nyl.	= <i>Leptogium subtile</i> (Schrad.) Torss = <i>L. tenuissimum</i> (Dcks.) Krb. (Cl. & Roux, 1985)
20. -- <i>Ramalina Duriaei</i> (De Not.) Bagl.	= <i>Ramalina lacera</i> (With) Laundo = <i>R. duriaei</i> (De Not.) Bagl. (Cl. & Roux, 1985)
21. -- <i>Xanthoria parietina</i> (L.) Th. var. <i>aureola</i> (Ach.) Fr var. <i>livida</i> De Not. var. <i>subgranulosa</i> Nyl. var. <i>ectanea</i> Ach.	= <i>Xanthoria parietina</i> (L.) Th. Fr = <i>X. calcicola</i> Oxner (Coppins, 2002) = <i>X. parietina</i> ssp <i>calcicola</i> (Cl. & Roux, 1985) (note 4) nrf nrf = <i>X. ectaneoides</i> (Nyl.) Zahlbr.
22. -- <i>Physcia tenella</i> (Sc.) Nyl.	= <i>Physcia tenella</i> (Sc.) DC (note 5)
23. -- <i>Physcia obscura</i> Fr. var. <i>virella</i> (Ach.) Th.	= <i>Phaeophyscia ciliata</i> (Hoffm.) Mob. (note 5) = <i>P. orbicularis</i> (Neck.) Mob. (note 6)
24. -- <i>Lecanora crassa</i> (Hds.) Ach var. <i>caespitosa</i> (Vill.) Schaer.	= <i>Squamarina periculosa</i> (Schaer.) Poelt (note 7) nrf
25. -- <i>Lecanora gypsacea</i> (Sm.) Ach (endemic)	nrf
26. -- <i>Lecanora lentigera</i> (Web.) Ach.	= <i>Squamarina lentigera</i> (Web) Poelt (Coppins, 2002)
27. -- <i>Lecanora sublentigera</i> Jatta	= <i>Squamarina concrescens</i> (Müll. Arg) Poelt (note 8)
28. -- <i>Lecanora saxicola</i> (Poll.)	= <i>Lecanora muralis</i> (Schreber) Rabenh.

29. -- <i>Lecanora fulgens</i> (Sm.) Ach	= nrf
30. -- <i>Lecanora pruinifera</i> Nyl.	= <i>Lecanora pruinosa</i> Chaub.
31. -- <i>Lecanora circinata</i> (Pers.) Ach.	= <i>Aspicilia radiosa</i> (Nyl.) Poelt & Leuckert
32. -- <i>Lecanora galactina</i> Ach. var. <i>muralis</i> Mass	= <i>Lecanora albescens</i> (Hoffm.) Branth & Rostr. = <i>L. albescens</i> (Hoffm.) Branth & Rostr.
33. -- <i>Lecanora subfusca</i> Ach. var. <i>allopaha</i> Ach. var. <i>chlarona</i> Ach var. <i>argentata</i> Ach. forma <i>glabrata</i> Schaer forma <i>boeomycioides</i> Mass.	= <i>Lecanora glabrata</i> (Ach) Malme? (note 9) = <i>L. pulicaris</i> (Pers.) Ach ? (Coppins, 2002) (note 9) nrf (note 9) nrf (note 9)
34. -- <i>Lecanora Hageni</i> Ach. Var. <i>coerulescens</i> (Schaer) Jatta	= <i>Lecanora hagenii</i> (Ach.) Ach = <i>L. hagenii</i> (Ach.) Ach
35. -- <i>Lecanora sulphurea</i> (Hffm.) Ach.	= <i>Lecanora sulphurea</i> (Hffm.) Ach.
36. -- <i>Lecanora calcarea</i> (L) Snarf <i>Aspicilia calcarea</i> var. <i>concreta</i> Schaer. cum forma <i>farinosa</i> (Flk) Schaer var. <i>contorta</i> (Flk) Jatta forma <i>cinereovirens</i> Mass var. <i>viridescens</i> (Mass.) Krb	= <i>Aspicilia calcarea</i> v. <i>reagens</i> nrf = <i>Aspicilia contorta</i> (Hffm.) Kempelh. s.lat = <i>A. contorta</i> (Hffm.) Kempelh. s.lat
37. -- <i>Lecanora lithofraga</i> (Mass.) Jatta	nrf
38. -- <i>Lecanora hiascens</i> (Mass.) Jatta	nrf
39. -- <i>Acaraspora glaucocarpa</i> (Wahl.) Krb.	= <i>Acaraspora glaucocarpa</i> (Ach.) Krb
40. -- <i>Caloplaca aurea</i> (Schael.) Jatta	= <i>Fulgensia</i> sp ? (note 10)
41. -- <i>Caloplaca murorum</i> (Hffm.) Th	= <i>Caloplaca saxicola</i> (Hoffm.) Nordin
42. -- <i>Caloplaca pusilla</i> Mass. var. <i>umbratica</i> Jatta	= <i>Caloplaca saxicola</i> (Hoffm.) Nordin
43. -- <i>Caloplaca callopisma</i> (Ach.) Th var. <i>centroleuca</i> Mass	= <i>Caloplaca aurantia</i> (Pers.) Steiner nrf
44. -- <i>Caloplaca luteo-alba</i> (Turn). Th	= <i>Caloplaca luteo-alba</i> (Turn). Th. (note 11)
45. -- <i>Caloplaca ochracea</i> (Schaer) Mass.	= <i>Caloplaca ochracea</i> (Schaer) Flagey
46. -- <i>Caloplaca erythrocarpa</i> (Pers.) Th	= <i>Caloplaca erythrocarpa</i> (Pers.) Zw
47. -- <i>Caloplaca Melitensis</i> Jatta (endemic)	= <i>Caloplaca melitensis</i> . Jatta?
48. -- <i>Caloplaca aurantiaca</i> (Lgthf.) Th var. <i>Veiana</i> Mass var. <i>diffRACTA</i> Mass var. <i>leucotis</i> Mass var. <i>placidia</i> Mass var. <i>Oasis</i> Mass var. <i>erythrella</i> (Ach) Jatta	= <i>Caloplaca ferruginea</i> (Huds.) Th. Fr. = <i>C. flavorubescens</i> (Huds.) Laund (Cl. & Roux, 1985) = <i>C. velana</i> (Mass.) Du Rietz = nrf = nrf = <i>Caloplaca velana</i> (Mass.) Du Rietz = <i>C. oasis</i> (Mass.) Szat. = <i>C. flavovirescens</i> (Wulfen) Dalla Torre & Sarnth
49. -- <i>Caloplaca cerina</i> (Ehrh) Th. var. <i>cyanolepra</i> Krb	= <i>Caloplaca cerina</i> var <i>cyanolepra</i> (DC) Kickx
50. -- <i>Caloplaca pyracea</i> (Ach) Th. var. <i>confluens</i> Mass. var. <i>lactea</i> Mass. forma <i>macrocarpa</i> (endemic) var. <i>pyrithroma</i> (Ach.) Nyl	= <i>Caloplaca holocarpa</i> (Ach.) Wade (note 12) nrf nrf nrf

51. -- <i>Caloplaca marmorata</i> Bagl var. <i>cephaloidea</i> Jatta (endemic)	= <i>Caloplaca marmorata</i> Bagl. Jatta = var. <i>cephaloidea</i> Jatta?
52. -- <i>Caloplaca fulva</i> (Anzi)	nrf
53. -- <i>Diphrotora Cesati</i> Mass. <i>Ricasolia Cesati</i> var. <i>grisea</i> Bagl. var. <i>olivacea</i> Bagl	= <i>Solenopsora cesatii</i> (Massal.) Zahlbr. v. <i>cesatii</i> = <i>Solenopsora cesatii</i> v. <i>grisea</i> (Bagl.) Nimis nrf
54. -- <i>Diphrotora spadicea</i> (Fw.) Jatta var. <i>Gennari</i> Bagl	nrf
55. -- <i>Diphrotora olivacea</i> Duf	nrf
56. -- <i>Lecaniella pseudocyrtella</i> Anzi	nrf
57. -- <i>Lecaniella Turicensis</i> Mass	= <i>Lecania turicensis</i> (Hepp) Müll. Arg.
58. -- <i>Lecaniella proteiformis</i> Mass. var. <i>lecideina</i> Mass var. <i>compacta</i> Mass	nrf nrf
59. -- <i>Lecaniella alocyza</i> Mass var. <i>flavidula</i> (endemic)	= <i>Caloplaca alociza</i> (Massal.) Migula = var. <i>flavidula</i> ?
60. -- <i>Lecaniella dimorpha</i> Mass	= nrf
61. -- <i>Lecaniella polycycla</i> Anzi.	= <i>Lecania polycycla</i> (Anzi.) Lettau? (note 13)
62. -- <i>Lecania athrocarpa</i> Dub	= <i>Lecania fuscella</i> (Schaerer) Körber
63. -- <i>Lecania Koerberiana</i> (Lhm) Krb	= <i>Lecania koerberiana</i> (Lhm)
64. -- <i>Haematomma cismonicum</i> Beltr.	= <i>Loxospora cismonica</i> (Beltram) Hf
65. -- <i>Rinodina metabolica</i> (Ach.) Krb. var. <i>maculiformis</i>	= <i>Rinodina exigua</i> (Ach.) Gray
66. -- <i>Rinodina albana</i> Mass	= <i>Rinodina albana</i> (Mass.) Mass.
67. -- <i>Pertusaria dealbata</i> Ach	= <i>Pertusaria dealbescens</i> Erichs.
68. -- <i>Pertusaria communis</i> DC	= <i>Pertusaria pertusis</i> auct.
69. -- <i>Pertusaria lejopiaca</i> Ach.	= <i>Pertusaria leucostoma</i> (Bernh.) Mass.
70. -- <i>Pertusaria leucostoma</i> Mass	= <i>Pertusaria leucostoma</i> (Bernh.) Mass.
71. -- <i>Urceolaria scruposa</i> Ach. var. <i>gypsacea</i> Smrf. var. <i>bryophila</i> Schaer.	= <i>Diploschistes scruposus</i> (Schreber) Norman = <i>D. gypsaceus</i> (Ach.) Zahlbr = <i>D. muscorum</i> (Scop.) R. Sant (McCune, 2001)
72. -- <i>Urceolaria actinostoma</i> Pers. var. <i>tectorum</i> Mass	nrf nrf
73. -- <i>Cladonia pungens</i> Flk.	= <i>Cladonia rangiformis</i> Hoffm.
74. -- <i>Cladonia muricata</i> Del	nrf
75. -- <i>Cladonia pyxidata</i> (L) Fr. var. <i>neglecta</i> (Flk.) Krb. var. <i>Pocillum</i> (Ach.) Flk.	= <i>Cladonia pyxidata</i> (L) Hoffm. nrf = <i>Cladonia pocillum</i> (Ach) O.J. Rich
76. -- <i>Cladonia fimbriata</i> (L.) Fr.	= <i>Cladonia fimbriata</i> (L.) Fr.
77. -- <i>Cladonia endiviaefolia</i> (Dcks.) Fr.	= <i>Cladonia convoluta</i> (Lam.) Anders
78. -- <i>Biatora decipiens</i> (Ach.) Fr var. <i>dealbata</i> Mass.	nrf (note 14) nrf
79. -- <i>Biatora coroniformis</i> Krplh	nrf (note 14)
80. -- <i>Biatora fusco-nigrescens</i> Jatta (end)	nrf (note 14)
81. -- <i>Biatora chondrodes</i> Mass.	= <i>Clauzadea chondrodes</i> (Mass.) (Cl. & Roux, 1985)

82. -- <i>Biatora cyclisca</i> Mass	= <i>Clauzadea cyclisca</i> (Mass.) V. Wirth
83. -- <i>Biatorina sylvestris</i> Arnd	= <i>Lecania sylvestris</i> (Arnd.) Arnd
84. -- <i>Biatorina lenticularis</i> (Ach.) Krb var. <i>ecrustacea</i> (Krb.) Arnd	= <i>Catillaria lenticularis</i> (Ach.) Th. Fr. (Coppins, 2002) nrf
85. -- <i>Bacidia atrogrisea</i> (Hepp.) Krb.	= <i>Bacidia laurocerasi</i> (Duby) Zahlbr.
86. -- <i>Bacidia rosella</i> (Pers.) De Not.	= <i>Bacidia rosella</i> (Pers.) de Not.
87. -- <i>Lecidea auriculata</i> Th. var. <i>calpicola</i> Jatta	(note 15)
88. -- <i>Lecidea viridans</i> Fw.	= <i>Lecidea viridans</i> (Fw.) Körber
89. -- <i>Lecidea enteroleuca</i> Ach.	= <i>Lecidella elaeochroma</i> (Ach.) Haszi
90. -- <i>Lecidea olivacea</i> Mass	= <i>Lecidella elaeochroma</i> (Ach.) Haszi
91. -- <i>Lecidea glabra</i> Krphl. var. <i>viridula</i> Arnd.	= <i>Lecidella stigmatea</i> (Ach.) Hertel & Leuckert ? (note 16)
92. -- <i>Lecidea pertusariicola</i> Jatta (endemic)	nrf
93. -- <i>Thalloedema tabacinum</i> (DC.) Mass.	nrf
94. -- <i>Thalloedema paradoxum</i> Jatta (endemic)	nrf
95. -- <i>Thalloedema vesiculare</i> (Hffm.) Mass. <i>Biatorina vesicularis</i> var. <i>teretocarpum</i> Mass	= <i>Toninia sedifolia</i> (Scop.) Timdal nrf
96. -- <i>Thalloedema mammillare</i> (Fr) Mass. var. <i>pulchellum</i> (endemic)	= <i>Toninia tumidula</i> (Sm.) Zahlbr. nrf
97. -- <i>Toninia acervulata</i> Ny1.	= <i>Toninia aromatica</i> (Sm.) Mass.
98. -- <i>Toninia aromatica</i> (Sm.) Mass,	= <i>Toninia aromatica</i> (Sm.) Mass
99. -- <i>Toninia squalida</i> (Ach.) Mass.	= <i>Toninia squalida</i> (Ach.) Mass.
100. -- <i>Arthrosporum accline</i> Krb	= <i>Arthrosporum populorum</i> Mass.
101. -- <i>Scoliciosporum Doriae</i> Bagl. var. <i>decussatum</i> (endemic)	nrf nrf
102. -- <i>Buellia canescens</i> (Deks.) De Not	= <i>Diploicia canescens</i> (Dickson) Massal.
103. -- <i>Buellia parasema</i> (Ach.) Krb. var. <i>rugulosa</i> (Ach.) Krb	nrf
104. -- <i>Buellia punctata</i> (Flk.) Krb.	= <i>Amandinea punctata</i> (Hoff.) Coppins & Scheid.
105. -- <i>Diplotomma albo-atrum</i> (Hffm.) Krb var. <i>epilobium</i> (Ach.) Schaer. et var. <i>venustum</i> Krb. var. <i>corticola</i> Schaer.	= <i>Diplotomma alboatrum</i> (Hoff.) Flotow = <i>D. epilobium</i> (Ach.) Arnold = <i>D. venustum</i> (Körb) Körb. = <i>D. alboatrum</i> (Hoff.) Flotow
106. -- <i>Roccella tinctoria</i> DC.	= <i>Roccella tinctoria</i> auct.non DC (note 17)
107. -- <i>Roccella phycopsis</i> Ach.	= <i>Roccella phycopsis</i> Ach.
108. -- <i>Lecanactis lyncea</i> (Sm.) Eschw.	= <i>Lecanactis lyncea</i> (Sm.) Fr.
109. -- <i>Lecanactis Dilleniana</i> (Ach.) Krb.	= <i>Lecanactis dilleniana</i> (Ach.) Krb. (note 18)
110. -- <i>Lecanactis granulosa</i> (Duf.) Fr	= <i>Lecanactis grumulosa</i> (Dufour) Fr.
111. -- <i>Graphis dendritica</i> Ach.; var. <i>medusula</i> Nyl.	= <i>Phaeographis dendritica</i> (Ach.) Müll. Arg. (Coppins, 2002) (note 19)
112. -- <i>Graphis scripta</i> (L.) Ach. var. <i>recta</i> (Hmb.) Krb. var. <i>serpentina</i> (Ach.) Schaer.	nrf = <i>Graphis scripta</i> (L.) Ach

113. -- <i>Graphina sophistica</i> Nyl var. <i>Melitensis</i> (endemic)	= <i>Graphina anguina</i> (Mont.) Müll. Arg var. <i>melitensis</i> ?
114. -- <i>Opegrapha Duriaei</i> Mtg. et Brck	= <i>Opegrapha durieui</i> Mont.
115. -- <i>Opegrapha celtidicola</i> Jatta	= <i>Opegrapha celtidicola</i> (Jatta) Jatta
116. -- <i>Opegrapha varia</i> Pers. var. <i>notha</i> (Ach.) Jatta. var. <i>rimalis</i> (Pers.) Ach. var. <i>violatra</i> (Mass.) Jatta.	= <i>Opegrapha varia</i> Pers. = <i>O. varia</i> Pers. = <i>O. varia</i> Pers. = <i>O. varia</i> Pers.
117. -- <i>Opegrapha rupestris</i> Fr. var. <i>dolomitica</i> Arnd	= <i>Opegrapha rupestris</i> Pers. = <i>O. rupestris</i> Pers.
118. -- <i>Opegrapha herpetica</i> Ach. var <i>fuscata</i> Schaer	= <i>Opegrapha rufescens</i> Pers. nrf
119. -- <i>Opegrapha rubecula</i> Mass.	= <i>Opegrapha rufescens</i> Pers.
120. -- <i>Opegrapha lilacina</i> Mass	= <i>Opegrapha rufescens</i> Pers.
121. -- <i>Opegrapha atra</i> (Pers.) Fr.	= <i>Opegrapha atra</i> (Pers.)
122. -- <i>Opegrapha lithyrgea</i> (Ach.) Krb.	= <i>Opegrapha lithyrgea</i> Ach.
123. -- <i>Opegrapha siderella</i> Aeh.	= <i>Opegrapha rufescens</i> Pers.
124. -- <i>Opegrapha saxatilis</i> DC	= <i>Opegrapha rupestris</i> Pers.
125. -- <i>Opegrapha Mougeothii</i> Mass. var. <i>Pisana</i> Bagl.	= <i>Opegrapha mougeotii</i> Mass. = <i>O. mougeotii</i> Mass.
126. -- <i>Arthonia caesio-pruinosa</i> Schaer.	= <i>Arthonia cinereopruinosa</i> Schaer. (note 20)
127. -- <i>Arthonia galactites</i> (DC.) Nyl.	= <i>Arthonia galactites</i> (DC.) Dufour
128. -- <i>Arthonia apotheciorum</i> (Mass.) Almg.	= <i>Arthonia clemens</i> (Tul.) Th. Fr.
129. -- <i>Arthonia dispersa</i> (Schrad.) Mass.	= <i>Arthonia dispersa</i> (Schrad.) Nyl.
130. -- <i>Arthonia aspersa</i> Lgth.	= <i>Arthonia arthonioides</i> (Ach.) A.L.Sm. (note 21)
131. -- <i>Arthonia coniangioides</i> Bagl	= <i>Arthonia melanophthalma</i> Dufour
132. -- <i>Arthonia punctiformis</i> Ach	= <i>Arthonia punctiformis</i> Ach
133. -- <i>Arthonia epipastoides</i> Nyl. Var. <i>galactitella</i> Nyl.	= <i>Arthonia radiata</i> (Pers.) Ach nrf
134. -- <i>Arthonia mediella</i> Nyl.	= <i>Arthonia mediella</i> Nyl.
135. -- <i>Arthonia ectropoma</i> Mass.	= <i>Arthonia dispersa</i> (Schrad.) Nyl.
136. -- <i>Arthonia didyma</i> Krb.	= <i>Arthonia didyma</i> Krb.
137. -- <i>Arthothelium Ruanum</i> Mass.	= <i>Arthothelium ruanum</i> (Mass.) Krb.
138. -- <i>Arthothelium Beltraminianum</i> Mass.	= <i>Arthothelium ruanum</i> (Mass.) Krb.
139. -- <i>Dirina Ceratoniae</i> (Ach.) De Not	= <i>Dirina ceratoniae</i> (Ach.) Fr.
140. -- <i>Dirina repanda</i> (Fr.) Nyl.	= <i>Dirina massiliensis</i> Durieu & Mont. (Cl. & Roux,1985)
141. -- <i>Endopyrenium rufescens</i> (Ach.) Krb.	= <i>Heppia solorinoides</i> (Nyl.) Nyl.
142. -- <i>Endopyrenium hepaticum</i> (Ach.) Krb	nrf
143. -- <i>Endopyrenium dedalaeum</i> (Krp) Krb	nrf
144. -- <i>Endopyrenium Adriaticum</i> Zahlbr.	nrf
145. -- <i>Catapyrenium Custnani</i> Mass.	= <i>Placidiopsis cartilaginea</i> (Nyl.) Vainio

146. -- <i>Catapyrenium circinatum</i> Bagl.	nrf
147. -- <i>Dermatocarpon glomeruliferum</i> Mass <i>Polyblastia glomerulifera</i>	= <i>Endocarpon pusillum</i> Hedwig
148. -- <i>Verrucaria lecideoides</i> Hepp. var. <i>minuta</i> Mass.	= <i>Verrucaria lecideoides</i> (Mass.) Trevisan = <i>V. minuta</i> (Hepp) Zsch.
149. -- <i>Verrucaria hydreia</i> Ach.	= <i>Verrucaria hydreia</i> Ach.
150. -- <i>Verrucaria ruderum</i> DC.	= <i>Verrucaria ruderum</i> DC.
151. -- <i>Verrucaria papillosa</i> Ach.	= <i>Verrucaria papillosa</i> Ach.
152 -- <i>Verrucaria rupestris</i> Schrad. var. <i>calciseda</i> Schaer. et var. <i>crassa</i> Mass var. <i>caesia</i> Arnd var. <i>orbicularis</i> Garov.	= <i>Verrucaria muralis</i> Ach. = <i>V. calciseda</i> auct. non. DC = <i>Thelidium decipiens</i> (Nyl.) Kremp.? (note 22) = <i>Pyrenocollema caesium</i> (Nyl.) R.C. Harris nrf
153. -- <i>Verrucaria purpurascens</i> Hffm.	= <i>Verrucaria marmorea</i> (Scop.) Arn.
154. -- <i>Verrucaria muralis</i> (Ach.) Mass.	= <i>Verrucaria muralis</i> (Ach.)
155. -- <i>Verrucaria anceps</i> Krplh	= <i>Polyblasta anceps</i> (Hepp.) Servit
156. -- <i>Verrucaria myriocarpa</i> Hepp.	= <i>Verrucaria murina</i> Leigh.
157. -- <i>Verrucaria Baldensis</i> Mass. var. <i>spilomatica</i> Mass.	= <i>Bagliettoa baldensis</i> (Mass.) Vezda (note 23)
158. -- <i>Verrucaria Veronensis</i> Mass.	= <i>Verrucaria veronensis</i> Mass.
159. -- <i>Verrucaria dolomitica</i> Mass.	= <i>Verrucaria foveolata</i> (Flörke) Mass.
160. -- <i>Verrucaria foveolata</i> (Flk.) Mass	= <i>Verrucaria foveolata</i> (Flörke) Mass.
161. -- <i>Verrucaria macrostoma</i> (Duf.) DC.	= <i>Verrucaria macrostoma</i> DC.
162. -- <i>Verrucaria tabacina</i> Mass.	= <i>Verrucaria tabacina</i> (Mass.) Trev.
163. -- <i>Verrucaria acrotelloides</i> Mass.	= <i>Verrucaria acrotelloides</i> Mass
164. -- <i>Verrucaria apathela</i> (Mass) Jatta;	= <i>Verrucaria apatela</i> (Mass) Trev.
165. -- <i>Verrucaria fuscoatra</i> (Wallr.) Krb var. <i>controversa</i> Mass. <i>Verrucaria controversa</i> CG var. <i>collematodes</i> Garov.	= <i>Verrucaria nigrescens</i> Pers. = <i>V. nigrescens</i> Pers. = <i>V. collematodes</i> Garov.
166. -- <i>Verrucaria viridula</i> Ach	= <i>Verrucaria viridula</i> (Schrad.) Ach
167. -- <i>Verrucaria Beltraminiana</i> Mass.;	= <i>Verrucaria beltraminiana</i> (Mass.) Trevis
168. -- <i>Verrucaria fuscella</i> Turn. var. <i>cinereo-glauc</i> a Garov.	= <i>Verrucaria fuscella</i> (Turn.) Winch nrf
169. -- <i>Verrucaria glaucina</i> (Ach.) Hepp.	= <i>Verrucaria caerulea</i> DC
170. -- <i>Verrucaria tristis</i> Krypt. cum var. <i>depauperata</i> Mass.	= <i>Verrucaria tristis</i> (Mass.) Kremp.
171. -- <i>Thelidium galbanum</i> (Krplh.) Krb. var. <i>acrustaceum</i> Arnd	nrf
172. -- <i>Thelidium crassum</i> Mass	= <i>Thelidium decipiens</i> (Nyl.) Kremp.
173. -- <i>Thelidium minutulum</i> Krb.	= <i>Thelidium minutulum</i> Krb.
174. -- <i>Thelidium epipolaeum</i> (Ach.) Krb.	nrf
175. -- <i>Polyblastia clandestina</i> Arnd	= <i>Polyblastia clandestina</i> Arnd.

176. <i>Acrocordia conoidea</i> Krb. var. <i>dimorpha</i> Krb.	= <i>Acrocordia conoidea</i> Krb. (note 24)
177. -- <i>Arthopyrenia analepta</i> Ach	= <i>Arthopyrenia punctiformis</i> (Pers.) Mass.
178. -- <i>Arthopyrenia cinereo-pruinosa</i> Schaer.	= <i>Arthopyrenia cinereopruinosa</i> (Schaer.) Mass
179. -- <i>Arthopyrenia punctiformis</i> Fr.	= <i>Arthopyrenia punctiformis</i> (Pers.) Mass.
180. -- <i>Sagedia oleriana</i> Mass	= <i>Porina oleriana</i> (Mass.) Lettau
181. -- <i>Pyrenula nitida</i> (Schrad.) Ach.	= <i>Pyrenula nitida</i> (Weig.) Belt. (note 25)
182. -- <i>Cyrtidula crataegina</i> Mnks.	nrf
183. -- <i>Cyrtidula occulta</i> Mnks	nrf

Notes:

1. The binomial *Collema crispum* (Hudson) Wigg is given for *C. cheileum* v. *brutium* Jatta (Nimis, 1993).
2. The binomial *L. plicatile* being suggested here is actually for *Collemodium plicatile* (Ach.) Nyl. and not for *C. subplicatile*. The genus *Collemodium* is no longer in use.
3. No reference to *Collemodium turgidum* was found. Only *Collema turgidum* was traced with synonym *Leptogium turgidum* the latter being a dubious species (Nimis, 1993).
4. Synonym for *Xanthoria aureola* auct. (Clauz. & Roux, 1985) and not for *X. parietina* v. *aureola*.
5. The name *Ph. tenella* was frequently used by earlier authors for *Ph. adscendens* (Nimis, 1993).
6. Sometimes the epithet "obscura" was used by earlier Italian authors for the more common *Phaeophyscia orbicularis* (Nimis, 1991). *Phaeophyscia orbicularis* var. *orbicularis* is given by Clauzade and Roux, 1985 as a synonym for *Physcia virella* rather than for *Physcia obscura* var. *virella*.
7. The synonym *S. periculosa* was found for *Lecanora crassa* var. *periculosa*.
8. *S. lentigera* has a Mediterranean distribution and today is not "known only to Malta" as suggested in the original checklist (Nimis, 1993).
9. *Lecanora subfusca* is a difficult complex of lichens. Most Italian records of species of this complex should be regarded as dubious until checked (Nimis, 1993).
10. Jatta and several authors had a wrong concept of this species; records of *C. aurea* probably refer to a *Fulgensia* species (Nimis, 1993).
11. The name "luteoalba" was most frequently used by earlier Italian authors, including Jatta, to designate taxa of the *C. pyracea-halocarpa* complex (Nimis, 1993).
12. The *Caloplaca holocarpa-pyracea* complex is still in need of clarification; it includes different morphs, some of which might deserve to be treated at species rank (Nimis, 1993).
13. According to P.L. Nimis the *Lecaniella polycycla* var. *diffusa* Albo described by G. Albo (Albo, 1925) might be referring to *Lecania polycycla* though clarification of the taxonomic position of this taxon needs the examination of the type material (Nimis, 1993).

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14. In the past the generic name *Biatora* was very extensively used for species which are now placed in a series of quite unrelated genera (Nimis, 1993).
15. This species has an arctic-(subarctic-) alpine distribution in Europe. The v. *calcicola* described from the island of Malta is probably not related to *Lecidea auriculata* (Nimis, 1993).
16. The synonym *L. stigmata* was found for *Lecidea glabra* only and not the variety *viridula*.
17. The existence of *R. tinctoria* in the Mediterranean region is dubious. Old Italian authors used this name for *Roccella phycopsis* (Nimis, 1993). According to J.M Egea (Egea, 1989) the name *R. tinctoria* was frequently used for members of the *Roccella canariensis* complex.
18. This is a mountain lichen so records from the South of Italy are dubious (Nimis, 1993).
19. The synonym found was for *G. dendritica* only and not the variety *medusula*.
20. This species has probably a holarctic distribution. The records from Jatta from Southern Italy are dubious (Nimis, 1993).
21. Nimis (1993) refers to K. Redinger (Redinger, 1938) who claims that the record of *A. aspersa* from Malta, by Jatta (1900) could most probably refer to *Arthonia melanophthalma* Dufour.
22. *T. decipiens* was found as a synonym of *Verrucaria crassa* and not of *V. rupestris* v. *crassa*.
23. *B. baldensis* was found as a synonym of *Verrucaria baldensis* and not of *V. baldensis* v. *spilomatica*
24. Found as synonym for *A. conoidea* only and not the variety *dimorpha*
25. No reference to the var. *nitidella* was found. *P. nitida* is found on upland areas (Nimis, 1993)

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