

**Checklist date: 16 March 2017**

### ***Disclaimer: a note of caution***

Some years of occasional reading of three books, and a small collection, do not make me an expert in Olives.

Both the determination of the specimens I own, and the tables proposed in the following pages are affected by my lack of competence, even though I have the luck to know maybe the most reliable and competent Italian expert in the field of Olives, who is patiently advising me.

Maybe the systematics of the genus *Oliva* is not the most challenging, if compared e.g. with some genus of Cypraeidae: this notwithstanding, the confusion created by splitters in the last 40 years wasn't adequately clarified by the magnificent work by Tursch and Greifeneder "*Oliva* shells – the genus *Oliva* and the species problem", because their well-documented and accurately applied "objective morphospecies approach" – while restoring the truth about most "psychospecies" – tends to lump in a single morphological continuum some closely related but distinct biological species. Thus, just to make an example, the treatment of most Atlantic species by Tursch and Greifeneder can't be deemed as satisfactory. Their "*O. fulgurator* complex" cannot be disputed on a "objective morphospecies" basis but, as Sterba points out, doesn't resolve the objective biological species diversity.


Considering the limits of my budget and of my command of the subject, I chose an ambitious but still affordable objective: collecting at least one specimen of each **valid species** of *Oliva*.

My definition of "**valid species**" can be easily derived from the tables in the following pages. I rely on competent advice and on some intuition – I am slowly beginning to grasp the basics, but still I have very much to learn.


The only value of the tables in the next pages – if any – is the cross-reference among the three works I own.

Cesare Brizio, 5 November 2014


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Bernard TURSCH & Dietmar GREIFENEDER <i>Oliva Shells</i> -The genus <i>Oliva</i> and the Species problem L'INFORMATORE PICENO, Italy, 2001				Günther H. W. STERBA <i>Olividae</i> – A Collectors Guide ConchBooks, Hackenheim, 2004			HUNON-HOARAU-ROBIN <i>Olividae</i> – A Complete survey... ConchBooks, Hackenheim, 2009		Taxonomy								
#	Group	Page	Col.Plit	Notes	Page	Col.Plit	Notes	Page	Notes	Species	Availability	Valid T&G	Valid Sterba	Valid HHR	Valid Else	Valid for me	Owned or not
1.	1	299	4		70	22		48	Form of <i>O. annulata</i>	<i>amethystina</i> (Röding, 1798)		1	1	1		1	1
2.	10	375	26		58	16		92		<i>atalina</i> Duclos, 1835		2	2	2		2	2
3.	4	327	12		90	32		154		<i>athenia</i> Duclos, 1840	Difficult	3	3	3		3	1
4.	2	314	6		78	26		34		<i>australis</i> Duclos, 1835		4	4	4		4	3
5.	7	353	18		56	---		160		<i>baileyi</i> Petuch, 1979	Very rare	5	5	5		5	2
6.	=	---	37-T6	<i>O. fulgurator</i> complex	---	---		164		<i>barbadensis</i> Duclos, 1835				6		1	4
7.	=	---	---		---	---		212		<i>bayeri</i> Petuch, 2001	Difficult			7		2	3
8.	=	---	T21	syn. <i>O. semmelinki</i>	78	26		46	syn. <i>O. semmelinki</i>	<i>bathyalis</i> Petuch & Sargent, 1986			6		6	5	
9.	=	---	T10	syn. <i>O. miniacea</i>	32	3	syn. <i>O. miniacea</i>	117	syn. <i>O. miniacea</i>	<i>berti</i> Terzer, 1986					1	3	6
10.	=	---	T4	<i>O. fulgurator</i> complex	98	36		166		<i>bewleyi</i> Marrat, 1870			7	8		7	7
11.	=	---	37-T5	<i>O. fulgurator</i> complex	96	35		168		<i>bifasciata</i> Küster in Weinkrauff, 1878			8	9		8	8
12.	3	320	8		84	29		156		<i>brettinghami</i> Bridgman, 1909		6	9	10		9	9
13.	1	306	5		72	23		52	<i>buloui</i> , with 3 ssp.	<i>buelowi</i> Sowerby, 1890		7	10	11		10	10
14.	=	---	---	(undescribed)	---	---		56		<i>buelowi inscripta</i> Petuch&Sargent, 1986				12		4	11
15.	1	307	5		72	23		54		<i>buelowi phuketensis</i> Tursch, Germain&Greif, 1986		8	11	13		11	12
16.	=	---	---	(undescribed)	---	---		57		<i>buelowi stoneorum</i> Petuch&Sargent, 1986	Difficult			14		5	4
17.	12	392	33		68	21		64		<i>bulbiformis</i> Duclos, 1840		9	12	15		12	13
18.	12	387	32		64-66	19-20		66		<i>bulbosa</i> (Röding, 1798)		10	13	16		13	14
19.	10	373	27		60	17		94		<i>caerulea</i> Röding, 1798		11	14	17		14	15
20.	4	328	10		86	30		80		<i>carneola</i> (Gmelin, 1791)		12	15	18		15	16
21.	12	390	33		58	16		70		<i>caroliniana</i> Duclos, 1835		13	16	19		16	17
22.	2	311	7		72	23		36		<i>chrysoplecta</i> Tursch & Greifeneder, 1989		14	17	20		17	18
23.	=	---	37-T6	<i>O. fulgurator</i> complex	96	35		172		<i>circinata</i> Marrat, 1871			18	21		18	19
24.	5	333	13		56	15		128		<i>concovospira</i> Sowerby, 1914		15	19	22		19	20
25.	=	---	20-T13	<i>O. irisans</i>	50	12	form of <i>O. irisans</i>	98		<i>concinna</i> Marrat, 1870				23		20	21
26.	=	---	20-T13	<i>O. irisans</i> – Holot. = <i>O. miniacea</i>	50	12	syn. of <i>O. irisans</i>	102		<i>concinna kremerorum</i> Petuch&Sargent, 1986				24		21	22
27.	5	338	14		82	28		72		<i>dactyliola</i> Duclos, 1840		16	20	25		22	23
28.	=	---	T4	<i>O. fulgurator</i> complex	---	---		174		<i>drangai</i> Schwengel, 1951	Very rare			26		6	5
29.	7	357	19		84	29		149		<i>dubia</i> Schepman, 1904		17	21	27		23	24
30.	8	358	24		44	9		234		<i>elegans</i> Lamarck, 1811		18	22	28		24	25
31.	10	376	26		58	16		104		<i>emeliodina</i> Duclos, 1845		19	23	29		25	26
32.	6	346	15		84	29		158		<i>faba</i> Marrat, 1867		20	24	30		26	27
33.	=	---	---	(undescribed)	---	---		---		<i>februaryana</i> Falconieri, 2008					2	7	28
34.	6	349	15		153	---		154	syn. <i>O. athenia</i>	<i>fijiana</i> Tursch & Greifeneder, 2001		21	25			27	29
35.	14	412	35		92	33		176		<i>flammulata dolicha</i> Locard, 1897		22	26			28	30
36.	14	410	34		92	33		176		<i>flammulata</i> Lamarck, 1811		23	27	31		29	31
37.	15	417	39		106	40		178		<i>foxi</i> Stingley, 1984		24	28	32		30	32
38.	14	400	36,37	<i>O. fulgurator</i> complex	94	34		180		<i>fulgurator</i> (Röding, 1798)		25	29	33		31	33


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#	Group	Page	Col.Pl.	Notes	Page	Col.Pl.	Notes	Page	Notes	Species	Availability	Valid T&G	Valid Sterba	Valid HHR	Valid Else	Valid for me	Owned or not
39.	=	---	T6	<i>O. fulgurator</i> complex	94	34	form of <i>O. fulgurator</i>	182		<i>fulgurator bullata</i> Marrat, 1871				34		32	34
40.	=	---	T5	<i>O. fulgurator</i> complex	96	35	form of <i>O. circinata</i>	184	form of <i>O. circinata</i>	<i>goajira</i> Petuch&Sargent, 1986				35		33	35
41.	=	---	T14	local form of <i>O. vidua</i>	---	---		---		<i>hanleyorum</i> Petuch & Sargent, 1986	Difficult					8	6
42.	4	331	12		90	32		33		<i>hilli</i> Petuch & Sargent, 1986		26	30	36		34	36
43.	9	365	22		54	14		106		<i>hirasei</i> Kira, 1959		27	31	37		35	37
44.	=	---	---	(undescribed)	---	---		---		<i>hirasei ameliae</i> Strano, 2016					3	36	38
45.	16	421	40		100	37		186		<i>incrassata</i> (Lightfoot in Solander, 1786)		28	32	38		37	39
46.	=	---	6-T15	form of <i>O. vidua</i>	44	9	form of <i>O. vidua</i>	236		<i>indomalaysica</i> Petuch & Sargent, 1986				39		9	40
47.	9	367	20,21		48-50	11-12		108		<i>irisans</i> Lamarck, 1811		29	33	40		38	41
48.	=	---	T15	<i>nomen dubium</i>	68	21	Syn. of <i>O. bulbiformis</i>	65	form of <i>O. bulbiformis</i>	<i>jayana</i> Marrat, 1867						39	42
49.	=	---	T3	<i>O. fulgurator</i> complex	94	34		188		<i>jamaicensis</i> Marrat, 1867			34	41		40	43
50.	=	---	T4	<i>O. fulgurator</i> complex	---	---		189		<i>jamaicensis zombia</i> Petuch&Sargent, 1986	Difficult			42		10	7
51.	3	318	9		72	23		38		<i>jaspeida</i> Duclos, 1835		30	35	43		41	44
52.	=	---	T21	jun.syn. of <i>O. semmelinki</i>	90	32		46	jun.syn. of <i>O. semmelinki</i>	<i>joyceae</i> Petuch & Sargent, 1986	Difficult			36		11	8
53.	16	422	40		104	39		190		<i>julieta</i> Duclos, 1840		31	37	44		42	45
54.	16	424	42		106	40		192		<i>kaleontina</i> Duclos, 1835		32	38	45		43	46
55.	5	339	14		52	13		74		<i>keeni</i> Marrat, 1870		33	39	46		44	47
56.	3	323	8		90	32		---	in genus <i>Belloliva</i>	<i>lacaniatai</i> Greifeneder & Blöcher, 1985		34	40			45	48
57.	12	394	31		56	15		76		<i>lecoquiana</i> Ducros de St Germain, 1857		35	41	47		46	49
58.	2	312	6		78	26		40		<i>leonardhilli</i> Petuch & Sargent, 1986		36	42	48		47	50
59.	=	---	11-T28	jun. syn. of <i>O. todosina</i>	88	31		86	syn. <i>sidelia</i>	<i>lepida</i> Duclos, 1835			43			12	51
60.	=	---	16-T23	= <i>ispidula longispira</i> = <i>O. Oliva</i>	78	26	form of <i>O. oliva</i>	134		<i>longispira</i> Bridgman, 1906				49		48	52
61.	1	302	5		70	22		48	syn. <i>annulata</i>	<i>maculata</i> Duclos, 1840		37	44			49	53
62.	=	---	T15	form of <i>O. vidua</i>	---	---	Syn. of <i>O. vidua</i>	249	form of <i>O. vidua</i>	<i>macleaya</i> Duclos, 1840						13	54
63.	=	---	T3	<i>O. fulgurator</i> complex	98	36		170	form of <i>O. bifasciata</i>	<i>magdae</i> Petuch & Sargent, 1986	Difficult		45			14	9
64.	1	300	4		70	22		48	syn. <i>annulata</i>	<i>mantichora</i> Duclos, 1840		38	46			50	55
65.	11	383	31		38	6		122	syn. <i>pica</i>	<i>mascarena</i> Tursch & Greifeneder, 1996		39	47	50		51	56
66.	11	379	28,29		60-34	2-3-4		114		<i>miniacea</i> (Röding, 1798)		40	48	51		52	57
67.	11	380	30		34	4		118	form of <i>miniacea tremulina</i>	<i>miniacea flammeacolor</i> Petuch & Sargent, 1986		41	49			53	58
68.	11	381	29		36	5		118		<i>miniacea tremulina</i> Lamarck, 1811		42	50	52		54	59
69.	=	---	T15	syn. of <i>O. vidua</i>	90	32	Doubtful	246	syn. <i>vidua</i>	<i>mindanaoensis</i> Petuch & Sargent, 1986			51			15	60
70.	6	348	15		153	---		130	syn. <i>mustelina</i>	<i>mucronata</i> Marrat, 1871	Difficult	43	52			55	10
71.	13	395	34		56	15		126		<i>multiplicata</i> Reeve, 1850		44	53	53		56	61
72.	9	370	19		56	15		130		<i>mustelina</i> Lamarck, 1811		45	54	54		57	62
73.	=	---	26-T15	color form of <i>O. vidua</i>	44	9		246	syn. <i>vidua</i>	<i>neostina</i> Duclos, 1840			55			58	63
74.	3	317	9		82	28		144		<i>nitidula</i> Duclos, 1835		46	56	55		59	64
75.	=	---	9	form of <i>O. nitidula</i>	82	28	form of <i>O. nitidula</i>	146		<i>nitidula sandwichensis</i> Pease, 1860				56		60	65
76.	=	---	T4	<i>O. fulgurator</i> complex	---	---		194		<i>nivosa</i> Marrat, 1871	Difficult			57		16	11

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77.	6	341	16, 17		74-76	24-25		136		<i>oliva</i> (Linnaeus, 1758)		47	57	58		61	66
78.	=	---	---		---	---		---		<i>olivacea</i> Marrat, 1870					4	17	67
79.	=	---	39-T1	subj. jun.syn of <i>O. polpasta</i>	104	39		196		<i>olssoni</i> (Linnaeus, 1758)			58	59		62	68
80.	9	369	21		52	13		112	syn. <i>lignaria</i>	<i>ornata</i> Marrat, 1867		48	59	60		63	69
81.	2	316	6		90	32		46	form of <i>semmelinki</i>	<i>ouini</i> Kantor & Tursch, 1998		49	60			64	70
82.	9	366	19		54	14		60		<i>pacifica</i> Marrat, 1870		50	61	61		65	71
83.	2	309	7		80	27		42		<i>panniculata</i> Duclos, 1835		51	62	62		66	72
84.	1	303	5		72	23		58		<i>parkinsoni</i> Prior, 1975		52	63	63		67	73
85.	16	425	41		102	38		198		<i>peruviana</i> Lamarck, 1811		53	64	64		68	74
86.	5	334	14		90	32		84		<i>picta</i> Reeve, 1850		54	65	65		69	75
87.	=	---	T7	Form of <i>O. spicata</i>	---	---	Form of <i>O. spicata</i>	200		<i>pindarina</i> Duclos, 1840				66		70	76
88.	=	---	7-T25	Form of <i>O. panniculata</i>	80	27	Form of <i>O. panniculata</i>	44		<i>polita</i> Marrat, 1867				67		71	77
89.	15	413	39		104	39		204		<i>polpasta</i> Duclos, 1833		55	66	68		72	78
90.	11	382	30		38	6		97		<i>ponderosa</i> Duclos, 1840		56	67	69		73	79
91.	=	---	---	(undiscovered)	---	---		---	in genus <i>Belloliva</i>	<i>poppei</i> Sargent & Petuch, 2008					5	74	80
92.	15	419	40		100	37		152		<i>porphyria</i> (Linnaeus, 1758)		57	68	70		75	81
93.	=	---	T15	syn. of <i>O. vidua</i>	---	---		---	form of <i>O. vidua</i>	<i>raderi</i> Petuch & Sargent, 1986						18	82
94.	=	---	T6	<i>O. fulgurator</i> complex	94	34	Syn. of <i>O. reticularis</i>	206		<i>reclusa</i> Marrat, 1871	Difficult			71		19	12
95.	=	---	37-T5	<i>O. fulgurator</i> complex	94	34		208		<i>reticularis</i> Lamarck, 1811			69	72		76	83
96.	=	---	T5	<i>O. fulgurator</i> complex	94	34		238	form of <i>O. reticularis</i>	<i>reticularis ernesti</i> Petuch, 1990			70			77	84
97.	8	361	23		46	10		238		<i>reticulata</i> (Röding, 1798)		58	71	73		78	85
98.	=	---	9	Syn. of <i>O. nitidula</i>	82	28	Syn. of <i>O. nitidula</i>	148		<i>richerti</i> Kay, 1979	Difficult	59		74		79	13
99.	8	364	22		46	10		242		<i>rubrolabiata</i> Fischer, 1903		60	72	75		80	86
100.	7	354	18		84	29		150		<i>rufofulgurata</i> Schepman, 1904		61	73	76		81	87
101.	7	352	18		56	15		162		<i>rufula</i> Duclos, 1840		62	74	77		82	88
102.	=	---	T4	<i>O. fulgurator</i> complex	98	36		203		<i>sargenti</i> Petuch, 1987			75	78		83	89
103.	14	408	35		92	33		212		<i>sayana</i> Ravenel, 1834		63	76	79		84	90
104.	14	406	35		92	33		62		<i>scripta</i> Lamarck, 1811		64	77	80		85	91
105.	3	322	8		78	26		46		<i>semmelinki</i> Schepman, 1891		65	78	81		86	92
106.	11	384	30		40	7		124		<i>sericea</i> (Röding, 1798)		66	79	82		87	93
107.	=	---	---	nomen dub., <i>O. todosina</i> / <i>faba</i>	88	31		86		<i>sidelia</i> Duclos, 1835			80	83		20	94
108.	=	---	T22	= <i>O. bulbiformis</i>	68	21		64	= <i>O. bulbiformis</i> – syn. <i>similis</i>	<i>similis</i> Marrat, 1867			81			88	95
109.	=	---	T23		84	29	form of <i>O. faba</i>	143		<i>smithi</i> Bridgman, 1906	Difficult			84		89	14
110.	14	403	38		108	41		216		<i>spicata</i> (Röding, 1798)		67	82	85		90	96
111.	14	405	39		110	42		218		<i>spicata deynzeriae</i> Petuch & Sargent, 1986		68	83	86		91	97
112.	15	418	42		38	102		220		<i>splendidula</i> Sowerby, 1825		69	84	87		92	98
113.	=	---	---	(undiscovered)	---	---		136	<i>O. oliva</i> grey pag. 136 - 139	<i>staley</i> Perini, 2011					6	93	99
114.	=	---	T7	Form of <i>O. spicata</i>	110	42	form of <i>O. spicata</i>	222		<i>subangulata</i> Philippi, 1848				88		94	100

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												T&G	Sterba	HHR	Else			
115.	1	307	5		86	30		132		<i>tessellata</i> Lamarck, 1811		70	85	89		95	101	
116.	6	343	17		76	25		140		<i>tigidella</i> Duclos, 1835		71	86	90		96	102	
117.	12	388	31		62	18		78		<i>tigrina</i> Lamarck, 1811		72	87	91		97	103	
118.	=	---	---	nomen dubium, <i>O. reticularis</i>	98	36		224		<i>tisiphona</i> Duclos, 1845			88	92		98	104	
119.	4	325	11		88	31		90		<i>todosina</i> Duclos, 1840		73	89	93		99	105	
120.	10	378	27		62	18		244		<i>tricolor</i> Lamarck, 1811		74	90	94		100	106	
121.	15	414	39		104	39		226		<i>truncata</i> Marrat, 1867		75	91	95		101	107	
122.	16	427	42		106	40		232		<i>undatella</i> Lamarck, 1811		76	92	96		102	108	
123.	13	397	34		56	---	poss.Syn. <i>O. multiplicata</i>	126	Syn. of <i>O. multiplicata</i>	<i>vicdani</i> da Motta, 1982	Difficult				7	103	15	
124.	4	330	12		153	---		104	Syn. of <i>O. emeliodina</i>	<i>vicweei</i> Recourt, 1989	Very rare	77	93			104	16	
125.	=	---	---	nomen dubium, <i>O. spicata</i>	108	41	Syn. <i>O. spicata</i> f. <i>violacea</i>	126		<i>venulata</i> Lamarck, 1811				97		105	109	
126.	8	360	25,26		42-44	8,9		246		<i>vidua</i> (Röding, 1798)		78	94	98		106	110	
127.	=	---	38-T8	Form of <i>O. spicata</i>	108	41	form of <i>O.spicata</i>	230		<i>violacea</i> Marrat, 1867				99		107	111	
128.	=	---	11-T28	subj. syn. of <i>O. todosina</i>	88	31		86	Syn. of <i>O. sidelia</i>	<i>volvarioides</i> Duclos, 1840			95			108	112	
129.	=	---	---	= <i>O. panniculata</i>	80	27	form of <i>O. panniculata</i>	41		<i>williamsi</i> Melvill & Standen, 1897	Difficult			100		21	17	
130.	5	336	13		90	32		85		<i>xenos</i> Petuch & Sargent, 1986		79	96	101		109	113	
131.	=	---	T14	Form of <i>O. vidua</i>	---	---	form of <i>O.vidua</i>	---	Syn. of <i>O. vidua</i>	<i>zamboangensis</i> Petuch & Sargent, 1986	Difficult					22	18	

Book	T&G	Sterba	H&H&R
Valid species	74	90 (87) (*)	92
Valid subspecies	5	6	9
Total	79	96	101

(\*) Sterba in his final supplement ( P. 153) declares 87 valid species but his book cites 90 including doubtful ones

Column		OWNED			Total
		YES	black number	NO	
Valid for me	YES	black number	103	6	109
	NO	red number	11	11	22
Total			114	17	131

Background colors in the table	
Column	Colors
Group, Page, Col.Plt	Dark gray indicates a species deemed as invalid by the book considered.
Group	A different color for each "group" in Tursch & Greifeneder (2001).
Col.Plt.	The green background is for the species not recognized by Tursch & Greifeneder (2001) and brings a reference to the holotypes B&W tables in the same book.
Species	Yellow background marks the species that I still don't own.
Availability	A different color for each category as "difficult" or "very rare".
Valid T&G / Valid Sterba / Valid HHR	Red background means "not valid" for the author considered.
Valid else	White background indicates a species not included in the three books considered here, or a species described after their publication such as <i>O. hirasei ameliae</i> .
Valid for me	Black number: valid for me. Red number: I'm in doubt.
Owned or not	Black number: owned. Red number: not owned.