

**Checklist date: 11 November 2017 – cited works:**

Bernard TURSCH & Dietmar GREIFENEDER «*Oliva* shells - The genus *Oliva* and the Species problem» L'INFORMATORE PICENO, Italy, 2001  
Günther H. W. STERBA «*Olividae* – A Collectors Guide» ConchBooks, Hackenheim, 2004  
HUNON-HOARAU-ROBIN «*Olividae* – A Complete survey of recent species of the genus *Oliva*» ConchBooks, Hackenheim, 2009

### ***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				Günther H. W. STERBA			HUNON-HOARAU-ROBIN		Taxonomy	Taxon validity							Relevant synonyms
	Group	Page	Col.Plit.	Notes	Page	Col.Plit.	Notes	Page	Notes		Species	T&C	Sterba	HHR	Else	Valid Owned	Valid Not Owned	
1.	1	299	4		70	22		48	Form of <i>O. annulata</i>	<i>amethystina</i> (Röding, 1798)	1	1	1		1			
2.	10	375	26		58	16		92		<i>atalina</i> Duclos, 1835	2	2	2		2			
3.	4	327	12		90	32		154		<i>athenia</i> Duclos, 1840	3	3	3				1	
4.	2	314	6		78	26		34		<i>australis</i> Duclos, 1835	4	4	4		3			
5.	7	353	18		56	---		160		<i>baileyi</i> Petuch, 1979	5	5	5			1		
6.	=	---	37-T6	<i>O. fulgurator</i> complex	---	---		164		<i>barbadensis</i> Duclos, 1835			6				1	
7.	=	---	---		---	---		212		<i>bayeri</i> Petuch, 2001			7					2
8.	=	---	T21	syn. <i>O. semmelinki</i>	78	26		46	syn. <i>O. semmelinki</i>	<i>bathyalis</i> Pet.&Sar., 1986		6			4			
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			2	
10.	=	---	T4	<i>O. fulgurator</i> complex	98	36		166		<i>bewleyi</i> Marrat, 1870		7	8		5			
11.	=	---	37-T5	<i>O. fulgurator</i> complex	96	35		168		<i>bifasciata</i> Küster in Weinkrauff, 1878		8	9		6			
12.	=	---	T27	syn. <i>O. concavospira</i>	56	15	form of <i>O. concavospira</i>	128	syn. <i>O. concavospira</i>	<i>boholensis</i> Pet.&Sar., 1986				2				3
13.	=	---	T4	<i>O. fulgurator</i> complex	96	35	form of <i>O. bifasciata</i>	170	form of <i>O. bifasciata</i>	<i>bolingi</i> Clench, 1934				3	7			
14.	3	320	8		84	29		156		<i>brettinghami</i> Bridgman, 1909	6	9	10		8			
15.	1	306	5		72	23		52	<i>buloui</i> , with 3 ssp.	<i>buelowi</i> Sowerby, 1890	7	10	11		9			
16.	=	---	---	(undescribed)	---	---		56		<i>buelowi inscripta</i> Pet.&Sar., 1986			12		10			
17.	1	307	5		72	23		54		<i>buelowi phuketensis</i> Tursch, Ger.&Greif, 1986	8	11	13		11			
18.	=	---	---	(undescribed)	---	---		57		<i>buelowi stoneorum</i> Pet.&Sar., 1986			14				3	
19.	12	392	33		68	21		64		<i>bulbiformis</i> Duclos, 1840	9	12	15		12			
20.	12	387	32		54-66	19-20		66		<i>bulbosa</i> (Röding, 1798)	10	13	16		13			
21.	10	373	27		60	17		94		<i>caerulea</i> Röding, 1798	11	14	17		14			
22.	4	328	10		86	30		80		<i>carneola</i> (Gmelin, 1791)	12	15	18		15			
23.	12	390	33		58	16		70		<i>caroliniana</i> Duclos, 1835	13	16	19		16			
24.	2	311	7		72	23		36		<i>chrysoplecta</i> Tursch & Greifeneder, 1989	14	17	20		17			
25.	=	---	37-T6	<i>O. fulgurator</i> complex	96	35		172		<i>circinata</i> Marrat, 1871		18	21		18			
26.	=	---	---	(undescribed)	---	---				<i>circinata jorioi</i> Petuch, 2013				4			4	
27.	5	333	13		56	15		128		<i>concovospira</i> Sowerby, 1914	15	19	22		19			
28.	=	---	20-T13	<i>O. irisans</i>	50	12	form of <i>O. irisans</i>	98		<i>concinna</i> Marrat, 1870			23		20			
29.	=	---	20-T13	<i>O. irisans</i> – Holot. = <i>O. miniacea</i>	50	12	syn. of <i>O. irisans</i>	102		<i>concinna kremerorum</i> Pet.&Sar., 1986			24		21			
30.	5	338	14		82	28		72		<i>dactyliola</i> Duclos, 1840	16	20	25		22			
31.	=	---	T4	<i>O. fulgurator</i> complex	---	---		174		<i>drangai</i> Schwengel, 1951			26				2	
32.	7	357	19		84	29		149		<i>dubia</i> Schepman, 1904	17	21	27		23			
33.	8	358	24		44	9		234		<i>elegans</i> Lamarck, 1811	18	22	28		24			
34.	10	376	26		58	16		104		<i>emeliodina</i> Duclos, 1845	19	23	29		25			
35.	6	346	15		84	29		158		<i>fabia</i> Marrat, 1867	20	24	30		26			
36.	=	---	---	(undescribed)	---	---				<i>februaryana</i> Falconieri, 2008				5			5	
37.	6	349	15		153	---		154	syn. <i>O. athenia</i>	<i>fijiana</i> Tursch & Greifeneder, 2001	21	25			27			
38.	14	412	35		92	33		176		<i>flammulata dolicha</i> Locard, 1897	22	26			28			
39.	14	410	34		92	33		176		<i>flammulata</i> Lamarck, 1811	23	27	31		29			

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40.	15	417	39		106	40		178		<i>foxi</i> Stingley, 1984	24	28	32		30			
41.	14	400	36,37	<i>O. fulgurator</i> complex	94	34		180		<i>fulgurator</i> (Röding, 1798)	25	29	33		31			
42.	=	---	T6	<i>O. fulgurator</i> complex	94	34	form of <i>O. fulgurator</i>	182		<i>fulgurator bullata</i> Marrat, 1871			34		32			
43.	=	---	T5	<i>O. fulgurator</i> complex	96	35	form of <i>O. circumdata</i>	184	form of <i>O. circumdata</i>	<i>goajira</i> Pet.&Sar., 1986			35		33			form of <i>boltingi</i> Clench, 1934
44.	=	---	T14	local form of <i>O. vidua</i>	---	---		---		<i>hanleyorum</i> Pet.&Sar., 1986								4 <i>cylindrica</i> Marrat, 1867
45.	4	331	12		90	32		33		<i>hilli</i> Pet.&Sar., 1986	26	30	36		34			
46.	9	365	22		54	14		106		<i>hirasei</i> Kira, 1959	27	31	37		35			
47.	=	---	---	(undescribed)	---	---		---		<i>hirasei ameliae</i> Strano, 2016				6	36			
48.	16	421	40		100	37		186		<i>incrassata</i> (Lightfoot in Solander, 1786)	28	32	38		37			
49.	=	---	6-T15	form of <i>O. vidua</i>	44	9	form of <i>O. vidua</i>	236		<i>indomalaysica</i> Pet.&Sar., 1986			39				6	
50.	9	367	20,21		48-50	11-12		108		<i>irisans</i> Lamarck, 1811	29	33	40		38			
51.	=	---	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				7	39			
52.	=	---	T3	<i>O. fulgurator</i> complex	94	34		188		<i>jamaicensis</i> Marrat, 1867		34	41		40			
53.	=	---	T4	<i>O. fulgurator</i> complex	---	---		189		<i>jamaicensis zombia</i> Pet.&Sar., 1986			42		41			
54.	3	318	9		72	23		38		<i>jaspidea</i> Duclos, 1835	30	35	43		42			
55.	=	---	T21	jun.syn. of <i>O. semmelinki</i>	90	32		46	jun.syn. of <i>O. semmelinki</i>	<i>joyceae</i> Pet.&Sar., 1986		36						5
56.	16	422	40		104	39		190		<i>julieta</i> Duclos, 1840	31	37	44		43			
57.	16	424	42		106	40		192		<i>kaleontina</i> Duclos, 1835	32	38	45		44			
58.	5	339	14		52	13		74		<i>keeni</i> Marrat, 1870	33	39	46		45			
59.	=	---	---	(undescribed)	---	---		---		<i>kohi</i> Hunon, Rabiiler & Richard, 2016				8				6
60.	3	323	8		90	32		---	in genus <i>Belloliva</i>	<i>lacanientai</i> Greifeneder & Blöcher, 1985	34	40			46			
61.	12	394	31		56	15		76		<i>lecoquiana</i> Ducros de St Germain, 1857	35	41	47		47			
62.	2	312	6		78	26		40		<i>leonardhilli</i> Pet.&Sar., 1986	36	42	48		48			
63.	=	---	11-T28	jun. syn. of <i>O. todosina</i>	88	31		86	syn. <i>sidelia</i>	<i>lepida</i> Duclos, 1835		43					7	
64.	=	---	---	(undescribed)	---	---		---		<i>lilacea</i> Paulmier, 2013				9				7
65.	=	---	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		49			
66.	1	302	5		70	22		48	syn. <i>annulata</i>	<i>maculata</i> Duclos, 1840	37	44			50			
67.	=	---	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				10			8	
68.	=	---	T3	<i>O. fulgurator</i> complex	98	36		170	form of <i>O. bifasciata</i>	<i>magdae</i> Pet.&Sar., 1986		45					9	
69.	1	300	4		70	22		48	syn. <i>annulata</i>	<i>mantichora</i> Duclos, 1840	38	46			51			
70.	11	383	31		38	6		122	syn. <i>pica</i>	<i>mascarena</i> Tursch & Greifeneder, 1996	39	47	50		52			
71.	11	379	28,29		30-34	2-3-4		114		<i>miniacea</i> (Röding, 1798)	40	48	51		53			
72.	11	380	30		34	4		118	form of <i>miniacea tremulina</i>	<i>miniacea flammeacolor</i> Pet.&Sar., 1986	41	49			54			
73.	11	381	29		36	5		118		<i>miniacea tremulina</i> Lamarck, 1811	42	50	52		55			
74.	=	---	T15	syn. of <i>O. vidua</i>	90	32	Doubtful	246	syn. <i>vidua</i>	<i>mindanaoensis</i> Pet.&Sar., 1986		51					10	
75.	6	348	15		153	---		130	syn. <i>mustelina</i>	<i>mucronata</i> Marrat, 1871	43	52					3	
76.	13	395	34		56	15		126		<i>multiplicata</i> Reeve, 1850	44	53	53		56			
77.	9	370	19		56	15		130		<i>mustelina</i> Lamarck, 1811	45	54	54		57			
78.	=	---	26-T15	color form of <i>O. vidua</i>	44	9		246	syn. <i>vidua</i>	<i>neostina</i> Duclos, 1840		55			58			

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79.	3	317	9		82	28		144		<i>nitidula</i> Duclos, 1835	46	56	55		59				
80.	=	---	---	(undescribed)	---	---		---		<i>nitidula nellyae</i> Cossignani, 2017				11	60				
81.	=	---	9	form of <i>O. nitidula</i>	82	28	form of <i>O. nitidula</i>	146		<i>nitidula sandwichensis</i> Pease, 1860			56		61				
82.	=	---	T4	<i>O. fulgurator</i> complex	---	---		194		<i>nivosa</i> Marrat, 1871			57					8	
83.	=	---	T3	syn. of <i>O. fulgurator</i>	94	34	syn. <i>fulgurator</i>	181	syn. <i>fulgurator</i>	<i>obesina</i> Duclos, 1840				12		4			
84.	6	341	16, 17		74-76	24-25		136		<i>oliva</i> (Linnaeus, 1758)	47	57	58		62				
85.	=	---	---		---	---		---		<i>olivacea</i> Marrat, 1870				13				11	
86.	=	---	39-T1	subj. jun.syn of <i>O. polpasta</i>	104	39		196		<i>olssoni</i> (Linnaeus, 1758)		58	59		63				
87.	9	369	21		52	13		112	syn. <i>lignaria</i>	<i>ornata</i> Marrat, 1867	48	59	60		64				
88.	2	316	6		90	32		46	form of <i>semmelinki</i>	<i>ouini</i> Kantor & Tursch, 1998	49	60			65				
89.	9	366	19		54	14		60		<i>pacifica</i> Marrat, 1870	50	61	61		66				
90.	2	309	7		80	27		42		<i>panniculata</i> Duclos, 1835	51	62	62		67				
91.	1	303	5		72	23		58		<i>parkinsoni</i> Prior, 1975	52	63	63		68				
92.	16	425	41		102	38		198		<i>peruviana</i> Lamarck, 1811	53	64	64		69				
93.	5	334	14		90	32		84		<i>picta</i> Reeve, 1850	54	65	65		70				
94.	=	---	T7	Form of <i>O. spicata</i>	---	---	Form of <i>O. spicata</i>	200		<i>pindarina</i> Duclos, 1840			66		71				
95.	=	---	7-T25	Form of <i>O. panniculata</i>	80	27	Form of <i>O. panniculata</i>	44		<i>polita</i> Marrat, 1867			67		72				
96.	15	413	39		104	39		204		<i>polpasta</i> Duclos, 1833	55	66	68		73				
97.	11	382	30		38	6		97		<i>ponderosa</i> Duclos, 1840	56	67	69		74				
98.	=	---	---	(undiscovered)	---	---		---	in genus <i>Belloliva</i>	<i>poppei</i> Sargent & Petuch, 2008				14	75				
99.	15	419	40		100	37		152		<i>porphyria</i> (Linnaeus, 1758)	57	68	70		76				
100.	=	---	T15	syn. of <i>O. vidua</i>	---	---		---	form of <i>O. vidua</i>	<i>raderi</i> Pet.&Sar., 1986				15			12		
101.	=	---	T6	<i>O. fulgurator</i> complex	94	34	Syn. of <i>O. reticularis</i>	206		<i>reclusa</i> Marrat, 1871			71						<i>sargenti</i> Petuch, 1987
102.	=	---	37-T5	<i>O. fulgurator</i> complex	94	34		208		<i>reticularis</i> Lamarck, 1811		69	72		77				
103.	=	---	T5	<i>O. fulgurator</i> complex	94	34		238	form of <i>O. reticularis</i>	<i>reticularis ernesti</i> Petuch, 1990			70		78				
104.	8	361	23		46	10		238		<i>reticulata</i> (Röding, 1798)	58	71	73		79				
105.	=	---	9	Syn. of <i>O. nitidula</i>	82	28	Syn. of <i>O. nitidula</i>	148		<i>richerti</i> Kay, 1979	59		74			5			
106.	8	364	22		46	10		242		<i>rubrolabiata</i> Fischer, 1903	60	72	75		80				
107.	7	354	18		84	29		150		<i>rufofulgurata</i> Schepman, 1904	61	73	76		81				
108.	7	352	18		56	15		162		<i>rufula</i> Duclos, 1840	62	74	77		82				
109.	=	---	T4	<i>O. fulgurator</i> complex	98	36	Syn. of <i>O. tisiphona</i>	203		<i>sargenti</i> Petuch, 1987		75	78		83				<i>reclusa</i> Marrat, 1871
110.	14	408	35		92	33		212		<i>sayana</i> Ravenel, 1834	63	76	79		84				
111.	14	406	35		92	33		62		<i>scripta</i> Lamarck, 1811	64	77	80		85				
112.	3	322	8		78	26		46		<i>semmelinki</i> Schepman, 1891	65	78	81		86				
113.	11	384	30		40	7		124		<i>sericea</i> (Röding, 1798)	66	79	82		87				
114.	=	---	---	nomen dub., <i>O. todosina</i> / <i>faba</i>	88	31		86		<i>sidelia</i> Duclos, 1835			80	83				13	
115.	=	---	T22	= <i>O. bulbiformis</i>	68	21		64	= <i>O. bulbiformis</i> – syn. <i>similis</i>	<i>similis</i> Marrat, 1867			81		88				
116.	=	---	T23		84	29	form of <i>O. faba</i>	143		<i>smithi</i> Bridgman, 1906			84			6			
117.	14	403	38		108	41		216		<i>spicata</i> (Röding, 1798)	67	82	85		89				
118.	14	405	39		110	42		218		<i>spicata deynzeriae</i> Pet.&Sar., 1986	68	83	86		90				

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119.	15	418	42		38	102		220		<i>splendidula</i> Sowerby, 1825	69	84	87		91			
120.	=	---	---	(undiscovered)	---	---		136	<i>O. oliva grey pag. 136 - 139</i>	<i>staleyi</i> Perini, 2011				16	92			
121.	=	---	T7	Form of <i>O. spicata</i>	110	42	form of <i>O. spicata</i>	222		<i>subangulata</i> Philippi, 1848			88		93			
122.	1	307	5		86	30		132		<i>tessellata</i> Lamarck, 1811	70	85	89		94			
123.	6	343	17		76	25		140		<i>tigridella</i> Duclos, 1835	71	86	90		95			
124.	12	388	31		62	18		78		<i>tigrina</i> Lamarck, 1811	72	87	91		96			
125.	=	---	---	nomen dubium, <i>O. reticularis</i>	98	36		224		<i>tisiphona</i> Duclos, 1845		88	92		97			
126.	4	325	11		88	31		90		<i>todosina</i> Duclos, 1840	73	89	93		98			
127.	10	378	27		62	18		244		<i>tricolor</i> Lamarck, 1811	74	90	94		99			
128.	15	414	39		104	39		226		<i>truncata</i> Marrat, 1867	75	91	95		100			
129.	16	427	42		106	40		232		<i>undatella</i> Lamarck, 1811	76	92	96		101			
130.	13	397	34		56	---	poss.Syn. <i>O. multiplicata</i>	126	Syn. of <i>O. multiplicata</i>	<i>vicdani</i> da Motta, 1982				17		7		
131.	4	330	12		153	---		104	Syn. of <i>O. emeliodina</i>	<i>vicweei</i> Recourt, 1989	77	93				8		
132.	=	---	---	nomen dubium, <i>O. spicata</i>	108	41	Syn. <i>O. spicata f. violacea</i>	126		<i>venulata</i> Lamarck, 1811			97		102			
133.	8	360	25,26		42-44	8,9		246		<i>vidua</i> (Röding, 1798)	78	94	98		103			
134.	=	---	38-T8	Form of <i>O. spicata</i>	108	41	form of <i>O. spicata</i>	230		<i>violacea</i> Marrat, 1867			99		104			
135.	=	---	---	(undescribed)	---	---				<i>virgata</i> Sterba, 2005				18	105			
136.	=	---	11-T28	subj. syn. of <i>O. todosina</i>	88	31		86	Syn. of <i>O. sidelia</i>	<i>volvarioides</i> Duclos, 1840		95			106			
137.	=	---	---	= <i>O. panniculata</i>	80	27	form of <i>O. panniculata</i>	41		<i>williamsi</i> Melvill & Standen, 1897			100				9	
138.	5	336	13		90	32		85		<i>xenos</i> Pet.&Sar., 1986	79	96	101		107			
139.	=	---	T14	Form of <i>O. vidua</i>	---	---	form of <i>O. vidua</i>	---	Syn. of <i>O. vidua</i>	<i>zamboangensis</i> Pet.&Sar., 1986				19	108			<i>raderi</i> Pet.&Sar., 1986

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

Count by Validity and Ownership		OWNED		Total
		YES	NO	
Valid for me	YES	108	8	116
	NO	13	9	22
Total		121	17	138

Column	Text and background colors in the table	
Group, Page, Col.Pit	Dark gray indicates a species deemed as invalid by the book considered.	
Group	A different color for each "group" in Tursch & Greifeneder (2001).	
Col.Pit.	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.	
Validity	T&G / Sterba / HHR	Red background means "not valid" for the author considered.
	else	White background indicates a species not deemed valid in the three books considered here, or a species described after their publication.
	Valid (Owned or not)	Valid for me – two columns, owned or not
	Invalid (Owned or not)	Not valid for me – two columns, owned or not – Black Boxes

Black Boxes mean that I consider the taxon as a synonym of another line in this table: to count each taxon once, the line is excluded.