



## DIVERSITY AND RICHNESS OF THE ORNITHOLOGICAL COLLECTION OF THE WIDER DUBROVNIK AREA (CROATIA)

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During the period of 1992–1993 and autumn of 1995 the bird collection from Dubrovnik's Museum was revised. A total of 946 prepared specimens (322 skins, 348 mounts, 275 mounts in dioramas and 1 stomach) was revised; the oldest were 3 preparations from 1867. The collection was formed by 69 collectors and contains 238 bird species from 18 orders and 57 families, 60% of all recorded birds species in Croatia. Nonpasseriformes are represented by 139 species, 36 families and 17 orders. The Order Passeriformes is represented by 99 species from 21 families. The oldest preparations of *Anas querquedula*, *Vanellus vanellus* and *Coccothraustes coccothraustes* date from 1867. For 335 preparations the locality data are missing and 470 preparations are without collector's name. The species *Ficedula semitorquata* is the first finding for Croatia and *Gavia immer* is the fourth finding for Croatia. The collection contains rare and interesting species, such as *Pelecanus onocrotalus*, *Plegadis falcinellus*, *Neophron percnopterus*, *Gyps fulvus*, *Accipiter brevipes*, *Crex crex*, *Tetrax tetrax*, *Prunella collaris* and *Hippolais olivetorum*. The species *Larus genei* is without data, so it is not acceptable as a first record for Croatia. There are also interesting winter records of *Alca torda* and *Fratercula arctica*. In the collection 71 species are from spring migration, 83 from autumn migration, and there are 51 nesting species out of 54 over-wintering birds species in the Dubrovnik area.

**Key words:** ornithology, collection, diversity, skins, Dubrovnik, Croatia

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Tijekom razdoblja od 1992. do 1993. godine i u jesen 1995. godine, revidirana je ornitološka zbirka Dubrovačkog muzeja. Pregledano je ukupno 946 preparata, od toga 322 balga, 348 dermoplastičkih preparata i 275 dermoplastičkih preparata smještenih u dioramama, te jedan želudac. Zbirku je stvorilo ukupno 69 prikupljača, a sastoji se od 238 vrsta ptica iz 18 redova i 57 porodica, što čini 60% svih zabilježenih vrsta ptica u Hrvatskoj. Tri najstarija preparata, vrsta *Anas querquedula*, *Vanellus vanellus* i *Coccothraustes coccothraustes*, potječu iz 1867. godine. Nevrapčarke su zastupljene sa 139 vrsta iz 36 porodica, odnosno 17 redova, a red Passeriformes je zastupljen s 99 vrsta iz 21 porodice. Na 335 preparata nedostaju podaci o lokalitetu, a na 470 preparata nema podataka o prikupljaču. Vrsta *Ficedula semitorquata* je prvi, a vrsta *Gavia immer* četvrti nalaz za Hrvatsku. Zbirka

sadrži rijetke i zanimljive vrste, kao što su: *Pelecanus onocrotalus*, *Plegadis falcinellus*, *Neophron percnopterus*, *Gyps fulvus*, *Accipiter brevipes*, *Crex crex*, *Tetrax tetrax*, *Prunella collaris* i *Hippolais olivetorum*. Preparat vrste *Larus genei* je bez podataka, te se ne može smatrati prvim nalazom za Hrvatsku. Zanimljive su i zimske zabilježbe vrsta *Alca torda* i *Fratercula arctica*. Zbirka sadrži 71 vrstu iz razdoblja proljetnih migracija, 83 vrste iz jesenskih migracija, te 51 gnjezdanicu i 54 vrste koje prezimljuju na području Dubrovnika.

**Ključne riječi:** ornitologija, zbirka, raznolikost, balgovi, Dubrovnik, Hrvatska

Besides their necessity in taxonomic research, the great value of ornithological collections is in their practical value for the determination of doubtful and complicated species (GJETVAJ, 1988; 1988a) and in their cultural and historical significance (TUTMAN, 1980). Today, the main world museums pay special attention to the conservation and successive complementation of such valuable collections.

The greatest ornithological collections in Croatia are in the possession of the Croatian Natural History Museum (CNHM) in Zagreb and the Institute of Ornithology of the Croatian Academy of Science and Arts (CASA) in Zagreb. The data of the collection from CNHM in Zagreb could be found in the addition to RÖSSLER (1902) and the collection of the Institute of Ornithology is elaborated in detail in SUŠIĆ *et al.* (1988) and CRNKOVIĆ *et al.* (1992/93).

Unfortunately, considerable parts of Croatian skin collections are today, due to different reasons, unavailable for science. Some collections were wasted, because of inadequate conservation, and some contained lost specimens of unknown origin, that were never elaborated. GJETVAJ (1988a) elaborated the hunting ornithological collection from Bale in Istria, and PIASEVOLI & PALLAORO (1991) the collection of the museum in Split. RUCNER (1954, 1959, 1970, 1998) in his articles mentions material of the hunters' association of the collection in Metković.

The data of a new species of the Croatian ornithofauna, *Ficedula semitorquata*, from the Dubrovnik ornithological collection, have already been published by LUKAČ *et al.* (1993).

## MATERIAL AND METHODS

In the ornithological collection of Dubrovnik's Museum the following orders were reidentified: Gaviiformes, Podicipediformes, Anseriformes (BAUER & GLUTZ VON BLOTZHEIM, 1987; 1990; 1992; PETERSON *et al.*, 1979) Falconiformes, Galliiformes, Gruiformes, Apodiformes (CRAMP & PERRINS, 1979; 1993; VAURIE, 1959; VOOUS, 1960) and Passeriformes (VOOUS, 1960; SVENSSON, 1984). The species of the ornithological collection in Dubrovnik for this article are listed according to the list of Croatian birds by LUKAČ (1998) and the list of birds of the Western Palearctic in BRITISH BIRDS (1984). The updated list also contains an addition of species that were part of the collection according to the museum's internal list but preparations of which are missing today.

In the list of localities sorted in alphabetical order (Tab. 1) Dubrovnik city and localities inside the city area are given at the beginning of the list.

**Tab. 1.** List of localities and number of collected bird specimens (n) from these localities in the Ornithological Collection of Dubrovnik museum (BiH = Bosnia and Herzegovina, CG = Montenegro, Lienz, probably Austria, and other localities in Croatia)

LOCALITY	n	LOCALITY	n	LOCALITY	n
1. Dubrovnik	18	28. Brgat	2	56. Mandaljena	13
2. Brsalje	2	29. Brsečine	3	57. Metković	33
3. Danče	1	30. Čapljina (BiH)	1	58. Neretva	2
4. Dubrovačka luka	1	31. Čilipi	3	59. near city	1
5. Gorica Sv. Vlaha	6	32. Drijen	2	60. Ombla	4
6. Grad	1	33. Dubac	1	61. open sea	1
7. Gradac	1	34. Pod Dupcom	1	62. Orašac	3
8. Gruž	31	35. Gabela (BiH)	2	63. Osojnik	4
9. Gruška luka	1	36. Gacko (BiH)	1	64. Popovo (BiH)	1
10. Iлина Glavica	2	37. Grbavac	1	65. Pridvorje	1
11. Kolarina	1	38. Grude (BiH)	1	66. Primorje	1
12. Konal	1	39. Hercegovina (BiH)	4	67. Ramnice	1
13. Lapad	69	40. Hutovo (BiH)	2	68. Ravoj	1
14. Luka	3	41. Hutovo Blato (BiH)	1	69. Rijeka Dubrovačka	28
15. Minčeta	1	42. Ivanica	4	70. Slano	1
16. Nuncijata	5	43. Isl. Daksa	2	71. Srđ	1
17. Petka	6	44. Isl. Jakljan	1	72. Ston	20
18. Pile	7	45. Isl. Lokrum	150	73. Sutorina (CG)	2
19. Ploče	3	46. Isl. Sv. Andrija	1	74. Titograd (CG)	1
20. Pod Bolnicom	1	47. Isl. Šipan	9	75. Trebinjsko polje (BH)	1
21. Pod Orsulom	1	48. Knin	1	76. Trsteno	3
22. Polje Gospe od Milosrđa	2	49. Kobaš	1	77. Uhvana	1
23. Porporela	1	50. Konavle	13	78. Virpazar (CG)	1
24. Šumet	2	51. Kono od Lokruma	20	79. Vlačica	1
25. Zagospom	13	52. Ljenz?	1	80. Zaton	2
<i>total of Dubrovnik city</i>	180	53. Ljubovo	1	81. Žarkovica	1
26. Bojana	1	54. Majkovi	21	82. Župa Dubrovačka	38
27. Bosanka	10	55. Mokoše	3	no data	335

## RESULTS

The collection of the Dubrovnik museum consists of 238 bird species from 57 different families in 18 orders. A total of 946 prepared specimens were recorded out of which there are 322 skins, 348 mounts and 275 mounts in dioramas, as well as one stomach. Nonpasseriformes are represented with 139 species, of 36 families and 17

**Tab. 2.** Number of specimens collected during different decades in the Ornithological Collection of the Dubrovnik museum between 1867 and 1970.

Decade	1861–1870	1871–1880	1881–1890	1891–1900	1901–1910	1911–1920	1941–1950	1951–1960	1961–1970	No data	Total
Nonpasseriformes	3	0	24	161	23	0	0	28	47	175	461
Passeriformes	1	1	9	51	6	3	2	90	170	152	485
Total	4	1	33	212	29	3	2	118	217	327	946

orders with a total of 461 preparations. The order Passeriformes is represented in the collection with 99 species of 21 families and a total of 485 preparations. The oldest preparations are from the year 1867 (*Vanellus vanellus*, *Coccothraustes coccothraustes* and *Anas querquedula*). The youngest specimens were collected during the 1960's (Tab. 2). In the collection there are 335 preparations without any data concerning locality, but the majority of the preparations originate from the city of Dubrovnik (n = 180) and Lokrum Island (n = 150) (Tab. 1). The specimens were collected and donated by 69 persons (Tab. 3). The highest numbers of specimens were donated by A. LESINGER & I. TUTMAN (n = 130), A. LESINGER (n = 97), B. B. KOSIĆ (n = 69), I. PAPI (n = 25), A. KUKULJICA (n = 15), N. HRDALO (n = 13), and N. CVJETANIĆ (n = 9). There are 470 preparations without information about the donator, but due to hand written notes they must probably were collected by A. LESINGER.

**Tab. 3.** List of collectors and donators of the Ornithological Collection in the museum of Dubrovnik with number of donated specimens (n).

n	COLLECTORS	n	COLLECTORS
130	A. Lesinger & I. Tutman	1	A. Beuson, G. F. Bibice & B. Kosić, L. Bogdan, E. Božić, A. Cerer, V. Čurčija, C. Damiani, G. Drašković, V. Feličić, N. Filaus, Giraldi, J. Glavić, Graca, N. Karađak, N. Kavović, I. V. Klaić, Majstorović, G. Mihočević, A. Miletić, N. Milošević, Monić, A. Obester, Posarić, L. Perović, D. Pitarević, J. Pugliesi, I. M. Račić, B. E. Rotti, A. Serragli, I. Slavnik, Šoletić, M. Tikvica, I. Tutman, K. Ukas, S. Vlahović, N. Vodopić, S. Vuletić, A. Vuličević, M+R
97	A. Lesinger		
69	B. B. Kosić		
25	I. Papi		
15	A. Kukuljica		
13	N. Hrdalo		
9	N. Cvjetanić		
7	I. Tutman & A. Lesinger		
6	V. Svilokos, R. Tomašević, A. Zipfel		
5	I. Katičić		
4	F. Afan de Rivera, A. Galjuf, B. F. Gondola, M. Zakaria		
3	G. F. Bibice, J. Bini, M. Miletić, I. Pitarević		
2	M. Dabrović, N. Matičević, D. V. Medini, F. Orlić, M. Pozza, Š. Šinobad, M. Šarić, R. Vuličević	470	no data



Fig. 1. The map of Dubrovnik surrounding area with localities of collected bird specimens marked by bigger black spots.

Data in an internal list of the museum of incoming specimens until 1923 disagreed with data on the labels of many preparations. Some specimens are identified incorrectly. It is not clear if data on the labels or in the internal list concern data of



Fig. 2. More detailed closest surrounding area of Dubrovnik, with localities of collected bird specimens marked by bigger black spots.

donation or data of the collection of these specimens. Preparations of ten specimens (*Charadrius morinellus*, *Sylvia nisoria*, *Plectrophenax nivalis* etc.) on the internal list are missed today. So most probably the original number of species and preparations was higher. Unfortunately, for a lot of preparations without labels in the dioramas or on the preparation itself it was not possible to reconstruct data (date, habitat and collector) from the internal museum's list. Some preparations in the dioramas had numbers of inventory or collecting dates with habitat information under their wings, which is why most of the material from the dioramas could not be examined for labels without risk of damaging the material.

## TAXONOMIC LIST OF PREPARATIONS

Every species on the list is numbered, with data on sex, date, locality, collector, number from old labels and the form of preparation.

### List of abbreviations

m. – male, f. – female, juv. – juvenile, imm. – immature, ad. – adult, subad. – subadult, »–« no data (unknown age, sex, collector, date or locality), ? – date missing or illegible; gender questionable

+, ++, \*, \*\*, \*\*\* markings accompanying the numbers on the labels of some preparations

## NONPASSERIFORMES

**1. *Gavia stellata***

1/1	m. 13. 11. 1889.	Rijeka Dubrovačka	I. Papi	48	mount
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**2. *Gavia arctica***

2/1	f. 11. 12. 1896.	Gruž	B. B. Kosić	51+	mount
3/2	m. 13. 11. 1897.	Župa Dubrovačka	I. M. Račić	51++	mount
4/3	- -	-	-	-	mount

**3. *Gavia immer***

5/1	m. 19. 11. 1896.	Ston	V. Svilokos	50+	mount
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**4. *Tachybaptus ruficollis***

6/1	? 19. 11. 1896.	Ston	V. Svilokos	48+	mount
7/2	f. 25. 11. 1896.	Gruž	M. Zakaria	48***	mount
8/3	m. 21. 2. 1896.	Ston	V. Svilokos	48++	mount
9/4	f. 8. 8. 1960.	Isl. Lokrum & I. Tutman	A. Lesinger	-	skin
10/5	f. 28. 10. 1960.	Metković	A. Lesinger	-	skin
11/6	m. 8. 8. -	Isl. Lokrum	A. Lesinger	-	mount
12/7	m. 8. 8. -	Isl. Lokrum	A. Lesinger	-	mount
13/8	ad. -	-	-	-	mount in diorama
14/9	ad. -	-	-	-	mount in diorama
15/10	imm. -	-	-	-	mount in diorama
16/11	imm. -	-	-	-	mount in diorama
17/12	ad. -	-	-	-	skin

**5. *Podiceps cristatus***

18/1	m. 4. 1. 1898.	Ston	N. Hrdalo	48	mount
19/2	? -	-	-	-	mount in diorama

**6. *Podiceps auritus***

20/1	- -	-	-	-	mount in diorama
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**7. *Podiceps nigricollis***

21/1	f. 14. 12. 1893.	Župa Dubrovačka	-	48	mount
22/2	m. 15. 10. 1897.	Porporela	A. Zipfel	385-	mount

**8. *Calonectris diomedea***

23/1	f. ? -	open sea	A. Lesinger	-	skin
24/2	- -	-	-	-	mount in diorama
25/3	- -	-	-	-	mount in diorama
26/4	ad. -	-	-	-	skin
27/5	ad. -	-	-	-	skin

**9. *Puffinus yelkouan***

28/1	f. 20. 11. 1891.	Gruž	J. Bini	35	mount
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**10. *Phalacrocorax carbo***

29/1	f.(imm.) 12. 12. 1890.	Rijeka Dubrovačka	I. Papi	8	mount
30/2	f.(imm.) 15. 6. 1892.	Pile	M. Miletić	6	mount
31/3	m. 18. 1. 1954.	Trebinjsko polje	–	655	mount
32/4	f. 28. 1. 1900.	Bojana	A. Serragli	8	mount

**11. *Phalacrocorax aristotelis***

33/1	m. 11. 5. 1889.	Pod Bolnicom	F. Tomašević	5	mount
34/2	m.(imm.) 20. 11. 1897.	Kobaš	N. Hrdalo	7+	mount

**12. *Phalacrocorax pygmaeus***

35/1	m. 5. 9. 1888.	Lapad	B. F. Gondola	1	mount
36/2	m. 28. 3. 1889.	Ombla	I. Papi	4	mount
37/3	m.(imm.) 17. 11. 1892.	Rijeka Dubrovačka	I. Papi	3	mount
38/4	f. 24. 11. 1907.	Dubrovnik	–	–	mount
39/5	ad. –	–	–	–	mount in diorama
40/6	imm. –	–	–	–	mount in diorama

**13. *Pelecanus onocrotalus***

41/1	imm. –	–	–	–	mount
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**14. *Botaurus stellaris***

42/1	m. 10. 9. 1884.	Župa Dubrovačka	N. Vodopić	104	mount
43/2	ad. –	–	–	–	mount

**15. *Ixobrychus minutus***

44/1	f. 9. 5. 1892.	Pile	J. Pugliesi	109	mount
45/2	f. 20. 5. 1900.	Uhvana	–	112*	mount
46/3	f. 8. 6. 1962.	Župa Dubrovačka	–	–	skin
47/4	m. –	–	–	–	mount in diorama
48/5	f.(imm.) –	–	–	–	mount in diorama

**16. *Nycticorax nycticorax***

49/1	m. 30. 4. 1894.	Lapad	B. B. Kosić	–	mount
50/2	? –	–	–	–	mount
51/3	ad. –	–	–	–	mount in diorama
52/4	imm. –	–	–	–	mount in diorama
53/5	juv. 25. 9. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
54/6	ad. 15. 5. 1963.	Isl. Lokrum	A. Lesinger	–	skin



**17. *Ardeola ralloides***

55/1	m. 21. 8. 1884.	Rijeka Dubrovačka	I. Papi	113	mount
56/2	f. 23. 4. 1895.	Lapad	B. B. Kosić	114	mount
57/3	f. 30. 4. 1896.	Isl. Lokrum	A. Galjuf	115	mount
58/4	m. 20. 4. 1900.	Ston	N. Hrdalo	115*	mount
59/5	? 17. 8. 1964.	Isl. Lokrum	A. Lesinger	–	skin
60/6	ad. –	–	–	–	mount in diorama
61/7	ad. –	–	–	–	mount in diorama
62/8	ad. –	–	–	–	mount in diorama

**18. *Egretta garzetta***

63/1	f. 1. 8. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
64/2	ad. –	–	–	–	mount in diorama
65/3	ad. –	–	–	–	mount in diorama
66/4	imm. –	–	–	–	mount in diorama

**19. *Egretta alba***

67/1	m. 29. 11. 1903.	Ston	V. Svilokos	116*	mount
68/2	ad. –	–	–	–	mount

**20. *Ardea cinerea***

69/1	m. 26. 12. 1891.	Rijeka Dubrovačka	I. Papi	120	mount
70/2	ad. –	–	–	–	mount in diorama

**21. *Ardea purpurea***

71/1	m. 21. 4. 1894.	Lapad	B. B. Kosić	117	mount
72/2	f. 22. 4. 1953.	Dubrovnik	–	642	mount
73/3	m.(imm.) 14. 4. 1894.	Lapad	B. B. Kosić	113	mount
74/4	f. 23. 4. 1895.	Lapad	B. B. Kosić	119	mount
75/5	ad. –	–	–	–	mount
76/6	ad. –	–	–	–	mount in diorama
77/7	imm. –	–	–	–	mount in diorama

**22. *Ciconia nigra***

78/1	imm. 4. 3. 1954.	Dubrovnik	–	–	mount
79/2	? 14. 9. 1954.	Omla	–	–	stomach

**23. *Ciconia ciconia***

80/1	juv. m. 12. 9. 1900.	Polje Gospe od Milosrđa	F. Orlić	103	mount
81/2	m. 25. 9. 1903.	Isl. Šipán	Posarić	103***	mount

**24. *Plegadis falcinellus***

82/1	27. 4. 1894.	Rijeka Dubrovačka	I. Papi	103	mount
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83/2	f. – 1964.	Titograd	–	–	skin
84/3	m. 27. 4. 1893.	Ston	N. Hrdalo	102	mount
85/4	ad. –	–	–	–	mount in diorama
86/5	ad. –	–	–	–	mount in diorama
<b>25. <i>Cygnus olor</i></b>					
87/1	ad. –	–	–	–	mount in diorama
<b>26. <i>Cygnus cygnus</i></b>					
88/1	ad. 11. 11. 1897.	Ston	N. Hrdalo	–	mount
<b>27. <i>Anser fabalis</i></b>					
89/1	m. 16. 3. 1895.	Pile	R. Tomašević	–	mount
90/2	m. 14. 1. 1895.	Ploče	A. Galjuf	64	mount
<b>28. <i>Anser albifrons</i></b>					
91/1	f. 11. 1. 1954.	Župa Dubrovačka	–	653	mount
<b>29. <i>Anser anser</i></b>					
92/1	ad. 18. 2. 1895.	Lapad	B. B. Kosić	66	mount
<b>30. <i>Branta ruficollis</i></b>					
93/1	m. 6. 1. 1954.	Grude	J. Glavić	–	mount
<b>31. <i>Anas penelope</i></b>					
94/1	m. 15. 3. 1886.	Rijeka Dubrovačka	I. Papi	58	mount
95/2	m. 2. 1898.	Neretva	M. Zakaria	58*	mount
96/3	m. –	–	–	–	mount in diorama
97/4	m. –	–	–	–	mount in diorama
98/5	f. –	–	–	–	mount in diorama
<b>32. <i>Anas crecca</i></b>					
99/1	m. 14. 11. 1897.	Konavle	–	58*	mount
100/2	m. –	–	–	–	mount in diorama
101/3	f. –	–	–	–	mount in diorama
<b>33. <i>Anas platyrhynchos</i></b>					
102/1	m. 10. 12. 1883.	Konavle	–	63	mount
103/2	f. –	–	–	–	mount
104/3	m. –	–	–	–	mount in diorama
105/4	f. –	–	–	–	mount in diorama
<b>34. <i>Anas acuta</i></b>					
106/1	m. 14. 11. 1895.	Rijeka Dubrovačka	I. Papi	61	mount
107/2	m. 16. 2. 1898.	Ston	N. Hrdalo	62*	mount
108/3	m. –	–	–	–	mount in diorama

**35. *Anas querquedula***

109/1	f. 16. 3. 1867.	Lapad	B. Kosić	59	mount
110/2	m. 19. 3. 1867.	Lapad	B. Kosić	60	mount
111/3	m. 4. 1897.	Rijeka Dubrovačka	I. Papi	60	mount
112/4	m. 8. 8. 1961.	Isl. Daksa	Lesinger & Tutman	–	mount
113/5	m. –	–	–	–	mount in diorama
114/6	f. –	–	–	–	mount in diorama

**36. *Anas clypeata***

115/1	m. 13. 2. 1898.	Lapad	M. Zakaria	63*	mount
116/2	m. –	–	–	–	skin

**37. *Aythya ferina***

117/1	m. 11. 11. 1897.	Ston	N. Hrdalo	–	mount
118/2	f. –1969.	Hutovo	–	–	skin
119/3	f. –	–	–	–	mount in diorama

**38. *Aythya nyroca***

120/1	f. 12. 3. 1897.	Lapad	B. F. Gondola	57	mount
121/2	m. –	–	–	–	mount in diorama
122/3	f. –	–	–	–	mount in diorama

**39. *Aythya fuligula***

123/1	m. 15. 1. 1908.	Neretva	–	57A	mount
124/2	m. –	–	–	–	mount in diorama

**40. *Bucephala clangula***

125/1	m. 8. 1. 1888.	Primorje	–	55	mount
126/2	f. 15. 12. 1894.	Rijeka Dubrovačka	I. Papi	56	mount
127/3	f. 15. 11. 1895.	Konavle	–	57	mount
128/4	m. –	–	–	–	mount in diorama
129/5	imm. –	–	–	–	mount in diorama

**41. *Mergus serrator***

130/1	m. 19. 12. 1893.	Rijeka Dubrovačka	I. Papi	52	mount
131/2	f. 16. 1. 1895.	Pile	R. Tomašević	54	mount

**42. *Pernis apivorus***

132/1	m.(imm.) 11. 9. 1893.	Petka	B. B. Kosić	–	mount
133/2	m. 11. 9. 1893.	Petka	B. B. Kosić	331	mount
134/3	ad. –	–	–	–	mount in diorama

**43. *Haliaetus albicilla***

135/1	subad. –	–	–	–	mount
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**44. *Neophron percnopterus***

136/1	m.(II god.)	–	Gruž	–	1540	mount
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**45. *Gyps fulvus***

137/1	f.(imm.)	22. 1. 1894.	Primorje	–	362	mount
138/2	imm.	–	–	–	–	mount
139/3	f.	16. 11. 1896.	Hercegovina	N. Cvjetanić	363	mount
140/4	imm.	–	–	–	–	mount in diorama

**46. *Circaetus gallicus***

141/1	ad.	–	–	–	–	mount in diorama
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**47. *Circus aeruginosus***

142/1	m.	1. 4. 1889.	Ston	I. Papi	322	mount
143/2	f.	–	–	–	–	mount in diorama

**48. *Circus cyaneus***

144/1	m.(imm.)	11. 3. 1889.	Nuncijata	A. Zipfel	320	mount
145/2	m.	–	–	–	–	mount in diorama

**49. *Circus macrourus***

146/1	imm.	24. 8. 1891.	Ramnice	Monić	–	mount
147/2	m.	11. 12. 1900.	Vlaštica	N. Cvjetanić	321*	mount

**50. *Accipiter gentilis***

148/1	f.	16. 12. 1893.	Osojnik	–	–	mount
149/2	imm.	–	–	–	–	mount in diorama

**51. *Accipiter nisus***

150/1	f.	22. 10. 1888.	Zagospom	R. Tomašević	327	mount
151/2	f.	15. 1. 1894.	Osojnik	–	328	mount
152/3	m.	4. 12. 1896.	Sutorina	N. Cvjetanić	330	mount
153/4	f.	8. 12. 1952.	Lapad	–	–	mount
154/5	m.	27. 7. 1960.	Isl. Lokrum	A. Lesinger	–	mount
155/6	f.	18. 11. 1960.	Isl. Lokrum	–	–	skin
156/7	m.(juv.)	–	–	–	–	skin
157/8	m.	–	–	–	–	mount in diorama
158/9	f.	–	–	–	–	mount in diorama

**52. *Accipiter brevipes***

159/1	m.	21. –28. 8. 1898.	Župa Dubrovačka	–	366	mount
160/2	f.	21. –28. 8. 1898.	Konavle	–	366	mount

**53. *Buteo buteo***

161/1	m.	12. 1. 1896.	Župa Dubrovačka	–	359	mount
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162/2	m. 27. 10. 1889.	Lapad	A. Kukuljica	–	mount
163/3	m. 3. 11. 1891.	Petka	F. Afan de Rivera	–	mount
164/4	m. 29. 12. 1896.	Lapad	B. B. Kosić	361	mount
165/5	? 27. 1. 1953.	Isl. Lokrum	–	–	mount
166/6	ad.(melanistic form) –	–	–	–	skin
167/7	ad. –	–	–	–	mount in diorama

**54. *Aquila clanga***

168/1	m.(imm.) 31. 10. 1891.	Gorica Sv. Vlaha	V. Čurčia	352	mount
169/2	imm –	–	–	–	mount in diorama

**55. *Aquila heliaca***

170/1	m. 28. 11. 1892.	Herzegovina	–	–	mount
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**56. *Aquila chrysaetos***

171/1	ad. –	–	–	–	mount in diorama
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**57. *Pandion haliaetus***

172/1	m. 25. 4. 1903.	Župa Dubrovačka	–	354	mount
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**58. *Falco naumanni***

173/1	m. 21. 4. 1894.	Ston	N. Hrdalo	338	mount
174/2	m. 13. 4. 1897.	Ston	N. Hrdalo	339	mount
175/3	f. 26. 3. 1898.	Ston	N. Hrdalo	340	mount
176/4	f. 26. 3. 1898.	Ston	N. Hrdalo	342	mount

**59. *Falco tinnunculus***

177/1	f. 17. 9. 1896.	Ploče	I. Katičić	–	mount
178/2	f. 22. 9. 1896.	Ploče	I. Katičić	–	mount
179/3	m. –	–	–	–	mount in diorama
180/4	f. –	–	–	–	mount in diorama

**60. *Falco vespertinus***

181/1	m. 26. 4. –	Gruž	Majstorović	–	mount
182/2	f. 23. 4. 1903.	Mandaljena	D. V. Medini	345	mount
183/3	m. –	–	–	–	mount in diorama

**61. *Falco subbuteo***

184/1	m. 16. 10. 1893.	Gorica Sv. Vlaha	B. B. Kosić	–	mount
185/2	? 19. 10. 1962.	Isl. Lokrum	–	–	skin
186/3	ad. –	–	–	–	mount in diorama
187/4	ad. –	–	–	–	mount in diorama
188/5	imm. –	–	–	–	mount in diorama

**62. *Falco peregrinus***

189/1	f. 1. 4. 1896.	Isl. Lokrum	N. Cvjetanić	–	skin
190/2	f.(imm.) 10. 1. 1889.	Lapad	M. Miletić	350	mount
191/3	m. –	–	–	–	mount in diorama
192/4	f. –	–	–	–	mount in diorama

**63. *Bonasa bonasia***

193/1	m 5. 2. 1899.	Knin	Š. Šinobad	135*	mount
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**64. *Tetrao urogallus***

194/1	m. 15. 4. 1896.	Ljenz	K. Bibice & M. Kosić	–	mount
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**65. *Alectoris graeca***

195/1	ad. –	–	–	–	mount in diorama
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**66. *Perdix perdix***

196/1	f. 26. 10. 1896.	Župa Dubrovačka	–	139	mount
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**67. *Coturnix coturnix***

197/1	f. 1. 11. 1896.	Zagospom	B. B. Kosić	13	mount
198/2	juv. 27. 5. 1899.	Lapad	I. Pitarević	138*	mount
199/3	juv. 27. 5. 1899.	Lapad	I. Pitarević	138*	mount
200/4	ad. –	–	–	–	mount in diorama

**68. *Phasianus colchicus***

201/1	m. –	–	–	–	mount in diorama
202/2	f. –	–	–	–	mount in diorama

**69. *Rallus aquaticus***

203/1	m. 15. 9. 1894.	Bosanka	N. Cvjetanić	74	mount
204/2	m. 3. 11. 1896.	Lapad	F. B. Gondola	75	mount
205/3	m. 11. 1896.	Rijeka Dubrovačka	I. Papi	75+	mount
206/4	m. 21. 10. 1961.	Metković	Lesinger & Tutman	–	skin
207/5	m. 4. 2. 1962.	Župa Dubrovačka	–	–	skin
208/6	ad. –	–	–	–	mount in diorama
209/7	ad. –	–	–	–	mount in diorama

**70. *Porzana porzana***

210/1	m. 25. 3. 1899.	Gruž	B. B. Kosić	71***	mount
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**71. *Porzana parva***

211/1	f. 13. 8. 1894.	Pile	A. Kukuljica	72	mount
212/2	m. 15. 3. 1900.	Gruž	A. Kukuljica	72*	mount

**72. *Crex crex***

213/1	9. 5. 1897.	Lapad	B. B. Kosić	73+	mount
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**73. *Galinulla chloropus***

214/1	m. 15. 9. 1887.	Bosanka	N. Kavović	70	mount
215/2	f. 10. 4. 1894.	Pridvorje	G. Mihočević	71	mount
216/3	m. 18. 11. 1896.	Gruž	B. B. Kosić	71+	mount
217/4	m. 11. 4. 1902.	Župa Dubrovačka	–	71***	mount
218/5	ad. –	–	–	–	mount in diorama

**74. *Fulica atra***

219/1	f. 1890.	Rijeka Dubrovačka	I. Papi	67	mount
220/2	m. 27. 10. 1895.	Popovo	I. Papi	68	mount
221/3	ad. –	–	–	–	mount in diorama
222/4	ad. –	–	–	–	mount in diorama

**75. *Grus grus***

223/1	ad. –	–	–	–	mount in diorama
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**76. *Tetrax tetrax***

224/1	f. 7. 10. 1895.	Župa Dubrovačka	–	132	mount
225/2	f. 8. 1. 1896.	Župa Dubrovačka	–	133	mount

**77. *Otis tarda***

226/1	m. 12. 1. 1891.	Konavle	I. V. Klaić	134	mount
227/2	m. 28. 1. 1891.	Polje Gospe od Milosrđa	V. Feličić	135	mount
228/3	m. –	–	–	–	mount in diorama

**78. *Haematopus ostralegus***

229/1	ad. –	–	–	–	mount in diorama
230/2	ad. –	–	–	–	mount in diorama

**79. *Himantopus himantopus***

231/1	m. 30. 4. 1892.	Rijeka Dubrovačka	I. Papi	77	mount
232/2	m. 25. 3. 1893.	Gruž	I. Pitarević	76	mount
233/3	f. 15. 5. 1894.	Lapad	B. F. Gondola	78	mount
234/4	m. 15. 4. 1898.	Ston	N. Hrdalo	79	mount
235/5	m. –	–	–	–	mount in diorama

**80. *Burhinus oedicnemus***

236/1	m. 7. 10. 1896.	Konavle	–	130	mount
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**81. *Charadrius dubius***

237/1	ad. –	–	–	–	mount in diorama
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238/2 ad. – – – – mount in diorama

### 82. *Pluvialis apricaria*

239/1 m. 10. 11. 1888. Župa Dubrovačka – 127 mount

240/2 – 28. 11. 1889. Ston A. Obester 128 mount

### 83. *Vanellus vanellus*

241/1 m. 2. 1867. Gruž B. B. Kosić 121 mount

242/2 m. 1. 11. 1961. Isl. Lokrum A. Lesinger – skin

243/3 m. 16. 3. 1962. Isl. Lokrum – – skin

244/4 f. 16. 3. 1962. Isl. Lokrum – – skin

245/5 ad. – – – – mount in diorama

246/6 imm. – – – – mount in diorama

### 84. *Calidris ferruginea*

247/1 m. 15. 4. 1883. Rijeka Dubrovačka I. Papi 81 mount

248/2 m. 8. 5. 1905. Gruž F. Obester 81\* mount

### 85. *Philomachus pugnax*

249/1 m. 1. 3. 1893. Rijeka Dubrovačka I. Papi 82 mount

250/2 m. 15. 7. 1961. Isl. Lokrum A. Lesinger – skin

251/3 f. 17. 10. 1961. Metković A. Lesinger – skin

& I. Tutman

252/4 f. 15. 3. 1962. Isl. Lokrum – – skin

253/5 m. – – – – mount in diorama

254/6 f. – – – – mount in diorama

255/7 f. – – – – mount in diorama

256/8 ad. – – – – mount in diorama

257/9 ad. – – – – mount in diorama

### 86. *Lymnocyptes minimus*

258/1 m. 28. 12. 1891. Rijeka Dubrovačka I. Papi 92 mount

259/2 m. 2. 2. 1895. Gruž B. B. Kosić 93 mount

### 87. *Gallinago gallinago*

260/1 m. 2. 3. 1897. Grad S. Vuletić 95 mount

261/2 m. 31. 12. 1897. Župa Dubrovačka – 95+ mount

262/3 m. 17. 12. 1899. Gruž B. B. Kosić 95++ mount

263/4 m. 15. 3. 1962. Isl. Lokrum – skin

264/5 f. 15. 3. 1962. Isl. Lokrum – skin

265/6 ad. – – – – mount in diorama

266/7 ad. – – – – mount in diorama

### 88. *Scolopax rusticola*

267/1 f. 30. 1. 1891. Župa Dubrovačka – 97 mount



268/2	ad.	–	–	–	–	mount in diorama
269/3	ad.	–	–	–	–	mount in diorama
270/4	ad.	–	–	–	–	mount in diorama

**89. *Numenius phaeopus***

271/1	–	–	–	–	–	mount
272/2	m. 9. 4. 1897.	Isl. Lokrum	A. Galjuf	99	–	mount
273/3	m. 20. 4. 1901.	Isl. Lokrum	A. Kukuljica	99*	–	mount
274/4	m. 13. 4. 1963.	Isl. Lokrum	–	–	–	skin
275/5	f. 13. 4. 1963.	Isl. Lokrum	–	–	–	skin
276/6	f. 18. 11. 1888.	Konavle	–	100	–	mount

**90. *Tringa totanus***

277/1	f. 7. 11. 1901.	Rijeka Dubrovačka	I. Papi	91*	–	mount
278/2	m. 28. 3. 1968.	–	Šoletić	–	–	skin
279/3	ad.	–	–	–	–	mount
280/4	ad.	–	–	–	–	mount in diorama
281/5	ad.	–	–	–	–	mount in diorama
282/6	ad.	–	–	–	–	mount in diorama

**91. *Tringa stagnatilis***

283/1	f. 18. 4. 1893.	Gruž	B. B. Kosić	88	–	mount
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**92. *Tringa nebularia***

284/1	ad.	–	–	–	–	mount in diorama
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**93. *Tringa ochropus***

285/1	m. 15. 4. 1893.	Rijeka Dubrovačka	I. Papi	86	–	mount
286/2	f. 9. 4. 1898.	Ston	N. Hrdalo	87	–	mount
287/3	ad.	–	–	–	–	mount in diorama
288/4	ad.	–	–	–	–	mount in diorama
289/5	ad.	–	–	–	–	mount in diorama

**94. *Tringa glareola***

290/1	f. 14. 4. 1892.	Gruž	B. B. Kosić	84	–	mount
291/2	m. 10. 5. 1893.	Rijeka Dubrovačka	I. Papi	85	–	mount
292/3	ad.	–	–	–	–	mount in diorama
293/4	ad.	–	–	–	–	mount in diorama

**95. *Actitis hypoleucos***

294/1	f. 23. 4. 1899.	Gruž	B. B. Kosić	83	–	mount
295/2	juv. 17. 7. 1960.	Isl. Lokrum	Lesinger & Tutman	–	–	skin
296/3	f. 22. 4. 1961.	Isl. Lokrum	Lesinger & Tutman	–	–	skin

**96. *Arenaria interpres***

297/1	-	-	-	-	-	mount in diorama
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**97. *Larus melanocephalus***

298/1	f. 14. 1. 1895.	Gruž	B. B. Kosić	23	mount
299/2	m. 24. 2. 1895.	Dubrovačka luka	A. Zipfel	24	mount
300/3	m.(juv.) 18. 11. 1900.	Gruž	A. Kukuljica	24	mount
301/4	imm.	-	-	-	mount
302/5	ad.	-	-	-	mount in diorama

**98. *Larus minutus***

303/1	f. 21. 11. 1896.	Gruž	N. Matičević	22	mount
304/2	imm. 8. 12. 1962.	Dubrovnik	-	-	skin
305/3	imm. 4. 11. 1965.	Dubrovnik	-	-	mount in diorama
306/4	juv. 16. 9. 1961.	Sv. Andrija	-	-	mount in diorama

**99. *Larus ridibundus***

307/1	m. 21. 1. 1892.	Gruž	B. B. Kosić	18	mount
308/2	m. 20. 2. 1892.	Gruž	B. B. Kosić	20	mount
309/3	m 4. 3. 1898.	Ston	V. Svilokos	21***	mount
310/4	f. 29. 3. 1962.	Rijeka Dubrovačka	-	-	skin
311/5	imm. 24. 1. 1961.	Isl. Lokrum	I. Tutman	-	skin
312/6	ad.	-	-	-	mount in diorama
313/7	ad.	-	-	-	mount in diorama
314/8	ad.	-	-	-	mount in diorama

**100. *Larus genei***

315/1	ad.	-	-	-	mount
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**101. *Larus canus***

316/1	m. 19. 1. 1894.	Kono od Lokruma	A. Zipfel	27	mount
317/2	m. 14. 1. 1895.	Gruž	B. B. Kosić	28	mount

**102. *Larus fuscus***

318/1	f.(imm.) 11. 2. 1897.	Gruž	A. Lesinger	-	mount
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**103. *Larus cachinnans***

319/1	ad.	-	-	-	mount
320/2	ad.	-	-	-	mount
321/3	m. 3. 4. 1899.	Gruška luka	B. B. Kosić	32*	mount
322/4	m. 15. 6. 1892.	Ombla	I. Papi	33	mount
323/5	ad.	-	-	-	mount in diorama

**104. *Rissa tridactyla***

324/1	juv. 24. 2. 1962.	Orašac	A. Lesinger	-	skin
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**105. *Sterna sandvicensis***

325/1	f.(imm.)	16. 11. 1896.	Gruž	M. Zakaria	15**	mount
326/2	imm.	21. 2. 1963.	Dubrovnik	–	–	skin
327/3	ad.	–	–	–	–	mount in diorama
328/4	ad.	–	–	–	–	mount in diorama

**106. *Sterna hirundo***

329/1	ad.	–	–	–	–	mount in diorama
330/2	ad.	–	–	–	–	mount in diorama

**107. *Chlidonias niger***

331/1	m.	28. 8. 1896.	Pod Orsulom	I. Katičić	10	mount
332/2	f.	28. 8. 1896.	Pod Dupcom	I. Katičić	14	mount
333/3	m.	12. 5. 1902.	Luka	N. Filaus	–	mount
334/4	–	24. 8. 1967.	Isl. Lokrum	–	–	skin
335/5	–	11. 5. 1968.	–	–	–	skin
336/6	ad.	–	–	–	–	mount in diorama
337/7	ad.	–	–	–	–	mount in diorama

**108. *Chlidonias leucoptera***

338/1	m.	13. 5. 1893.	Kolorina	F. Afan de Rivera	15	mount
339/2	m.	1. 5. 1967.	Hutovo blato	–	–	skin
340/3	ad.	–	–	–	–	mount in diorama
341/4	ad.	–	–	–	–	mount in diorama

**109. *Alca torda***

342/1	–	15. 1. 1887.	Rijeka Dubrovačka	–	38	mount
343/2	m.	10. 1. 1891.	Gruž	J. Bini	39	mount
344/3	m.	25. 11. 1893.	Luka	–	40	mount
345/4	f.	22. 12. 1893.	Lapad	J. Bini	42	mount
346/5	m.	23. 12. 1893.	Isl. Lokrum	–	44	mount
347/6	f.	25. 11. 1895.	Župa Dubrovačka	–	41	mount
348/7	m.	12. 12. 1895.	Župa Dubrovačka	–	45	mount
349/8	f.	18. 12. 1895.	Luka	G. F. Bibice	43	mount
350/9	f.	3. 1. 1909.	–	E. Božić	367	mount
351/10	m.	6. 1. 1909.	–	Giraldi	–	mount

**110. *Fratercula arctica***

352/1	m.	16. 12. 1886.	Dubac	–	50	mount
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**111. *Columba livia***

353/1	f.	24. 12. 1898.	Župa Dubrovačka	–	142*	mount
354/2	ad.	–	–	–	–	mount in diorama
355/3	ad.	–	–	–	–	mount in diorama

356/4 ad. – – – – mount in diorama

### 112. *Columba oenas*

357/1 m. 22. 10. 1896. Petka B. B. Kosić 143 mount

358/2 m. 24. 10. 1961. Isl. Lokrum A. Lesinger – skin

### 113. *Columba palumbus*

359/1 m. 22. 10. 1896. Petka B. B. Kosić 144 mount

360/2 m. 22. 10. 1896. Petka B. B. Kosić 145 mount

361/3 m. – – – – mount in diorama

### 114. *Streptopelia decaocto*

362/1 ad. – – – – mount in diorama

363/2 ad. – – – – mount in diorama

### 115. *Streptopelia turtur*

364/1 f. 28. 4. 1896. Lapad B. B. Kosić 14 mount

365/2 m. 10. 5. 1896. Lapad B. B. Kosić 142 mount

366/3 m.(imm.) 1. 8. 1960. Isl. Lokrum Lesinger & Tutman – skin

367/4 m. 14. 5. 1953. Dubrovnik – – – – mount

### 116. *Cuculus canorus*

368/1 m. 16. 8. 1961. Isl. Lokrum A. Lesinger – mount

369/2 imm. 21. 8. 1961. Isl. Lokrum Lesinger & Tutman – skin

370/3 m.(imm.) 10. 9. 1962. Isl. Lokrum – – – – skin

371/4 f. – – – – mount in diorama

372/5 imm. – – – – mount in diorama

373/6 m. 24. 4. 1953. Dubrovnik – – – – mount

374/7 ?m. – – – – mount

### 117. *Tyto alba guttata*

375/1 f. 1. 12. 1904. Gruž – – – – mount

376/2 – – – – mount in diorama

### 118. *Otus scops*

377/1 m. 20. 10. 1895. Zagospom A. Kukuljica – mount

378/2 m. 8. 7. 1960. Isl. Lokrum Lesinger & Tutman – skin

379/3 ad. – – – – mount in diorama

380/4 ad. – – – – mount in diorama

381/5 ad. – – – – mount in diorama

382/6 ad. 26. 7. 1953. Dubrovnik A. Lesinger 649 mount

**119. *Bubo bubo***

383/1	f. 29. 12. 1895.	Hercegovina	–	317	mount
384/2	f. 10. 4. 1906.	Ston	V. Svilokos	–	mount
385/3	–	–	–	–	mount in diorama
386/4	f. 5. 1. 1893.	Hercegovina	–	–	mount
387/5	m. 16. 1. 1892.	Osojnik	Graca	–	mount

**120. *Athene noctua***

388/1	m. 2. 11. 1891.	Župa Dubrovačka	–	318	mount
389/2	f. 21. 12. 1905.	near city	–	319*	mount
390/3	f. 1. 1. 1966.	–	–	–	mount in diorama

**121. *Strix aluco***

391/1	m. 27. 12. 1891.	Župa Dubrovačka	–	311	mount
392/2	m. 17. 2. 1897.	Lapad	B. B. Kosić	312	mount
393/3	f. 19. 10. 1902.	Kono od Lokruma	A. Zipfel	–	mount
394/4	f. 19. 12. 1904.	Nuncijata	N. Matičević	312**	mount

**122. *Strix uralensis***

395/1	ad.	–	–	–	mount
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**123. *Asio otus***

396/1	m. 2. 1894.	Primorje	S. Vlahović	–	mount
397/2	ad.	–	–	–	mount in diorama
398/3	ad.	–	–	–	mount in diorama
399/4	f. 14. 3. 1894.	Danče	K. Ukas	–	mount

**124. *Asio flammeus***

400/1	f. 4. 4. 1894.	Gorica Sv. Vlaha	B. B. Kosić	–	mount
401/2	f. 13. 10. 1895.	Zagospom	B. B. Kosić	–	mount

**125. *Aegolius funereus***

402/1	m. 20. 11. 1895.	Zagospom	B. B. Kosić		mount
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**126. *Caprimulgus europaeus***

403/1	m. 4. 1886.	Zagospom	B. B. Kosić	319	mount
404/2	f. 26. 6. 1960.	Isl. Lokrum	Tutman & Lesinger	–	skin
405/3	f. 6. 5. 1963.	Isl. Lokrum	–	–	skin
406/4	–	–	–	–	mount in diorama
407/5	ad.	–	–	–	mount

**127. *Apus apus***

408/1	m. 4. 6. 1896.	Kono od Lokruma	B. B. Kosić	–	mount
409/2	f. 7. 6. 1896.	Konal	B. B. Kosić	–	mount

410/3	m. 11. 5. 1960.	Isl. Lokrum	A. Lesinger	–	skin
411/4	f. 27. 9. 1962.	Isl. Lokrum	–	–	skin
412/5	f. 28. 9. 1962.	Isl. Lokrum	–	–	skin
413/6	m. 28. 9. 1962.	Isl. Lokrum	–	–	skin
414/7	m. 14. 6. 1966.	Isl. Lokrum	–	–	skin
415/8	f. 17. 7. 1966.	Isl. Lokrum	–	–	skin

**128. *Apus pallidus***

416/1	f. 18. 9. 1964.	–	–	–	skin
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**129. *Apus melba***

417/1	m. 24. 6. 1896.	Kono od Lokruma	B. B. Kosić	–	mount
418/2	m. 17. 5. 1901.	Dubrovnik	–	303	mount
419/3	juv. 14. 7. 1901.	Minčeta	Š. Sinobad	–	mount
420/4	f. 21. 5. 1960.	Isl. Lokrum	Tutman & Lesinger	–	skin
421/5	f. 1. 4. 1953.	Dubrovnik	A. Lesinger	–	mount
422/6	m. –	–	–	–	mount in diorama
423/7	f. –	–	–	–	mount in diorama

**130. *Alcedo atthis***

424/1	m. 10. 10. 1898.	Kono od Lokruma	M. Bibica	292+	mount
425/2	m. 7. 8. 1899.	Isl. Lokrum	I. Katičić	292	mount
426/3	m. 28. 10. 1960.	Metković	Lesinger & Tutman	–	skin
427/4	m. 28. 10. 1960.	Metković	Lesinger & Tutman	–	skin
428/5	ad. –	–	–	–	mount in diorama
429/6	ad. –	–	–	–	mount in diorama

**131. *Merops apiaster***

430/1	m. 5. 5. 1888.	Pile	M. Pozza	290	mount
431/2	ad. –	–	–	–	mount in diorama
432/3	ad. –	–	–	–	mount in diorama
433/4	ad. –	–	–	–	mount in diorama
434/5	ad. –	–	–	–	mount in diorama

**132. *Coracias garrulus***

435/1	m. 5. 1892.	Drien	M. Pozza	293	mount
436/2	f. 24. 9. 1896.	Gradac	I. Slavnik	294	mount
437/3	ad. –	–	–	–	mount in diorama

**133. *Upupa epops***

438/1	m. 23. 4. 1899.	Gruž	B. B. Kosić	289	mount
439/2	f. 24. 5. 1963.	Metković	A. Lesinger	–	skin

440/3	ad.	–	–	–	–	mount in diorama
441/4	ad.	–	–	–	–	mount in diorama
442/5	ad.	–	–	–	–	mount in diorama
443/6	ad.	–	–	–	–	mount in diorama

**134. *Jynx torquilla***

444/1	m.	19. 3. 1894.	Rijeka Dubrovačka	M. Šarić	149	mount
445/2	m.	7. 2. 1962.	Isl. Lokrum	–	–	skin

**135. *Picus canus***

446/1	m.	–	–	–	–	mount in diorama
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**136. *Picus viridis***

447/1	f.	6. 12. 1901.	Bosanka	G. F. Bibice	365	mount
448/2	f.	26. 9. 1902.	Župa Dubrovačka	–	366	mount
449/3	m.	–	–	–	–	mount in diorama

**137. *Dryocopus martius***

450/1	f.	25. 7. 1960.	Isl. Lokrum	Lesinger & Tutman	–	skin
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**138. *Picoides major***

451/1	m.	19. 11. 1896.	Lapad	A. Cerer	155	mount
452/2	–	f. 4. 10. 1899.	Šumet	G. F. Bibice	155*	mount
453/3	m.	25. 9. 1961.	Ćilipi	Lesinger & Tutman	–	skin
454/4	f.	4. 10. 1967.	Isl. Lokrum	–	–	skin
455/5	f.	29. 10. 1967.	Isl. Lokrum	–	–	skin
456/6	m.	–	–	–	–	mount in diorama
457/7	f.	–	–	–	–	mount in diorama

**139. *Picoides medius***

458/1	–	–	–	–	–	skin
459/2	m.	11. 11. 1891.	Zagospom	M. Miletić	156	mount
460/3	–	23. 10. 1904.	Gruž	F. Orlić	–	mount
461/4	ad.	–	–	–	–	mount in diorama

## PASSERIFORMES

**140. *Calandrella brachydactyla***

462/1	m. 25. 4. 1963.	Metković	A. Lesinger	–	skin
463/2	– 25. 4. 1963.	Metković	A. Lesinger	–	skin

**141. *Galerida cristata***

464/1	m. 27. 10. 1896.	Ivanica	N. Cvjetanić	161	mount
465/2	f. 27. 10. 1896.	Ivanica	M. Katičić	162	mount
466/3	m. 27. 9. 1960.	Mandaljena	Lesinger & Tutman	–	skin
467/4	ad. –	–	–	–	mount in diorama

**142. *Lullula arborea***

468/1	f. 24. 11. 1896.	Zagospom	B. B. Kosić	159	mount
469/2	f. 20. 11. 1960.	Lapad	A. Lesinger & I. Tutman	–	skin
470/3	m. 28. 11. 1960.	Mokoše	A. Lesinger & I. Tutman	–	skin
471/4	m. 28. 11. 1960.	Mokoše	A. Lesinger & I. Tutman	–	skin
472/5	f. 2. 2. 1962.	Isl. Lokrum	A. Lesinger	–	skin
473/6	m. 2. 2. 1962.	Isl. Lokrum	A. Lesinger	–	skin
474/7	m. 5. 2. 1962.	Isl. Lokrum	A. Lesinger	–	skin
475/8	m. 5. 2. 1962.	Isl. Lokrum	A. Lesinger	–	skin
476/9	– 30. 1. 1968.	Dubrovnik	–	–	skin
477/10	ad. –	–	–	–	mount

**143. *Alauda arvensis***

478/1	f. 7. 3. 1899.	Gruž	B. B. Kosić	158***	mount
479/2	–(ad.) 17. 3. 1961.	Isl. Šipan	A. Lesinger & I. Tutman	–	skin
480/3	f. 15. 3. 1962.	Isl. Lokrum	–	–	skin
481/4	ad. –	–	–	–	mount in diorama
482/5	ad. –	–	–	–	mount in diorama
483/6	ad. –	–	–	–	mount in diorama

**144. *Riparia riparia***

484/1	ad. 14. 10. 1967.	Isl. Lokrum	–	–	skin
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**145. *Ptyonoprogne rupestris***

485/1	m. 9. 3. 1962.	Konavle	A. Lesinger	–	skin
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**146. *Hirundo rustica***

486/1	m. 18. 7. 1897.	Lapad	B. B. Kosić	295	mount
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487/2	-f. 18. 7. 1897.	Lapad	B. B. Kosić	295	mount
<b>147. <i>Hirundo daurica</i></b>					
488/1	ad. - -	-	-	-	mount in diorama
<b>148. <i>Delichon urbica</i></b>					
489/1	m. 9. 3. 1962.	Konavle	A. Lesinger	-	skin
490/2	ad. -	-	-	-	skin
491/3	ad. -	-	-	-	skin
492/4	ad. -	-	-	-	skin
<b>149. <i>Anthus campestris</i></b>					
493/1	m. 7. 1889.	Nuncijata	B. B. Kosić	227	mount
494/2	f. 15. 5. 1960.	Lapad	A. Lesinger & I. Tutman	-	skin
495/3	juv. 5. 6. 1960.	Majkovi	A. Lesinger & I. Tutman	-	skin
496/4	m. 5. 6. 1960.	Majkovi	A. Lesinger & I. Tutman	-	skin
497/5	f. 14. 8. 1960.	Bosanka	A. Lesinger & I. Tutman	-	skin
<b>150. <i>Anthus trivialis</i></b>					
498/1	m. 28. 9. 1960.	Brgat	A. Lesinger & I. Tutman	-	skin
499/2	ad. 13. 4. 1961.	Lapad	A. Lesinger & I. Tutman	-	skin
500/3	- 22. 4. 1961.	Isl. Lokrum	A. Lesinger & I. Tutman	-	skin
501/4	m. 19. 9. 1962.	Isl. Lokrum	-	-	skin
502/5	f. 3. 5. 1967.	Isl. Lokrum	-	-	skin
<b>151. <i>Anthus pratensis</i></b>					
503/1	- 18. 3. 1961.	Isl. Šipán	A. Lesinger & I. Tutman	-	skin
504/2	m. 14. 1. 1963.	Isl. Lokrum	-	-	skin
505/3	ad. 20. 11. 1960.	Lapad	A. Lesinger	-	mount
<b>152. <i>Anthus cervinus</i></b>					
506/1	- 30. 3. 1961.	Majkovi	A. Lesinger & I. Tutman	-	skin
<b>153. <i>Motacilla flava</i></b>					
507/1	m. 10. 9. 1902.	Kono od Lokruma	A. Zipfel	229**	mount
508/2	f. 22. 4. 1963.	Metković	A. Lesinger	-	skin

**153a. *Motacilla flava flava***

509/1	f. 7. 5. 1961.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
510/2	m. 2. 4. 1962.	Isl. Lokrum	–	–	skin

**153b. *Motacilla flava cinereocapilla***

511/1	m. 22. 4. 1963.	Metković	A. Lesinger	–	skin
512/2	m. 22. 4. 1963.	Metković	A. Lesinger	–	skin
513/3	m. 22. 5. 1963.	Metković	A. Lesinger	–	skin
514/4	m. –	–	–	–	mount in diorama

**153c. *Motacilla flava thunbergi***

515/1	m. 7. 5. 1961.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
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**154. *Motacilla cinerea***

516/1	m. 17. 4. 1892.	Kono od Lokruma	B. B. Kosić	230	mount
517/2	f. –	–	–	–	mount
518/3	m. 26. 9. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
519/4	f. 28. 10. 1960.	Metković	A. Lesinger & I. Tutman	–	skin
520/5	m. 24. 4. 1968.	Isl. Lokrum	–	–	skin
521/6	f. 29. 4. 1968.	–	–	–	skin

**155. *Motacilla alba***

522/1	m. 5. 11. 1897.	Ivanica	N. Cvjetanić	232	mount
523/2	juv. 26. 10. 1960.	Metković	A. Lesinger & I. Tutman	–	skin
524/3	f. 28. 11. 1960.	Mandaljena	A. Lesinger & I. Tutman	–	skin
525/4	ad. –	–	–	–	mount in diorama
526/5	ad. –	–	–	–	skin

**156. *Bombycilla garrulus***

527/1	f. 22. 1. 1960.	Bosanka	A. Lesinger & I. Tutman	–	skin
528/2	f. 18. 2. 1962.	Lapad	A. Lesinger	–	skin
529/3	m. 19. 2. 1962.	Lapad	A. Lesinger	–	skin
530/4	f. 19. 2. 1962.	Lapad	–	–	skin
531/5	f. 19. 2. 1962.	Lapad	–	–	skin
532/6	m. 19. 2. 1962.	Lapad	–	–	skin
533/7	f. 19. 2. 1962.	Lapad	–	–	skin
534/8	f. 19. 2. 1962.	Lapad	A. Lesinger	–	skin
535/9	f. 19. 2. 1962.	Lapad	–	–	skin

536/10 f. 19. 2. 1962.	Lapad	A. Lesinger	–	skin
537/11 – 10. 2. 1966.	Dubrovnik	–	–	skin
538/12 f. 22. 2. 1962.	Župa Dubrovačka	A. Lesinger	–	skin
539/13 f. 22. 2. 1962.	Župa Dubrovačka	A. Lesinger	–	skin
540/14 f. 22. 2. 1962.	Župa Dubrovačka	A. Lesinger	–	skin
541/15 f. 22. 2. 1962.	Župa Dubrovačka	A. Lesinger	–	skin
542/16 f. 22. 2. 1962.	Župa Dubrovačka	A. Lesinger	–	skin
543/17 f. 24. 2. 1962.	Lapad	A. Lesinger	–	skin
544/18 f. 11. 2. 1966.	Srđ	–	–	skin
545/19 f. 13. 2. 1966.	Srđ	–	–	skin
546/20 m. 16. 3. 1966.	Srđ	–	–	skin
547/21 f. 16. 9. 1966.	Metković	–	–	skin
548/22 ad. –	–	–	–	skin
549/23 ad. –	–	–	–	mount in diorama
550/24 ad. –	–	–	–	mount in diorama

**157. *Cinclus cinclus***

551/1 m. 20. 11. 1888.	Sutorina	M. Šarić	223	mount
552/2 m. 6. 11. 1900.	Zaton	R. Vuličević	225*	mount

**158. *Prunella modularis***

553/1 f. 12. 1. 1894.	Osojnik	–	238	mount
554/2 f. 13. 1. 1961.	Isl. Lokrum	A. Lesinger	–	mount

**159. *Prunella collaris***

555/1 m. 23. 12. 1898.	Lapad	B. B. Kosić	239	mount
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**160. *Erithacus rubecula***

556/1 m. 1. 12. 1897.	Župa Dubrovačka	–	251	mount
557/2 m. 28. 3. 1963.	Isl. Lokrum	A. Lesinger	–	skin
558/3 f. 20. 1. 1961.	Isl. Lokrum	A. Lesinger	–	mount

**161. *Luscinia megarhynchos***

559/1 m. 6. 4. 1962.	Isl. Lokrum	A. Lesinger	–	mount
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**162. *Phoenicurus ochrurus***

560/1 m. 6. 11. 1897.	Kono od Lokruma	B. B. Kosić	–	skin
561/2 m. –	–	–	–	skin
562/3 m. –	–	–	–	skin
563/4 f.(juv.) 29. 11. 1960.	Mokoše	A. Lesinger & I. Tutman	–	skin
564/5 m. 31. 1. 1962.	Isl. Lokrum	A. Lesinger	–	skin
565/6 f.(imm.) 2. 12. 1967.	Hutovo	–	–	skin

**163. *Phoenicurus phoenicurus***

566/1	m. 3. 4. 1898.	Pile	L. Perović	253	mount
567/2	f. 19. 9. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
568/3	f. 28. 9. 1960.	Mandaljena	A. Lesinger & I. Tutman	–	skin

**164. *Saxicola rubetra***

569/1	m.(imm.) 13. 10. 1896.	Zagospom	–	241	mount
570/2	m. 10. 4. 1961.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
571/3	m. 22. 4. 1961.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
572/4	m. 24. 9. 1960.	Isl. Lokrum	A. Lesinger	–	mount
573/5	m. –	–	–	–	mount in diorama

**165. *Saxicola torquata***

574/1	m. 3. 1. 1897.	Kono od Lokruma	A. Beusan	242	mount
575/2	m. –	–	–	–	skin
576/3	m. 27. 10. 1960.	Metković	A. Lesinger & I. Tutman	–	skin
577/4	f. 28. 11. 1960.	Mandaljena	A. Lesinger & I. Tutman	–	skin
578/5	m. 9. 3. 1962.	Konavle	A. Lesinger	–	skin

**166. *Oenanthe oenanthe***

579/1	f. 23. 9. 1897.	Nuncijata	B. B. Kosić	244	mount
580/2	f.(juv.) 14. 8. 1960.	Žarkovica	I. Tutman & A. Lesinger	–	skin
581/3	f.(juv.) 8. 4. 1961.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
582/4	f. 9. 4. 1961.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
583/5	m. 15. 4. 1961.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
584/6	m. 23. 3. 1963.	Isl. Lokrum	A. Lesinger	–	skin

**167. *Oenanthe hispanica***

585/1	f. 19. 2. 1965.	–	–	–	skin
586/2	m. 16. 4. 1892.	Kono od Lokruma	B. B. Kosić	247	mount
587/3	f. 15. 5. 1960.	Lapad	A. Lesinger & I. Tutman	–	skin
588/4	f. 15. 4. 1966.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
589/5	m. 24. 6. 1966.	Župa Dubrovačka	A. Lesinger	–	skin
590/6	f. 24. 6. 1966.	Župa Dubrovačka	–	–	skin

591/7	m. 30. 4. 1967.	Čapljina	–	–	skin
592/8	m. 15. 5. 1960.	Lapad	A. Lesinger	–	mount

**168. *Monticola saxatilis***

593/1	f. 9. 1875.	Nuncijata	B. B. Kosić	212	mount
594/2	m. –	–	–	–	skin

**169. *Monticola solitarius***

595/1	m. 31. 5. 1960.	Isl. Lokrum	–	–	mount
596/2	m. –	–	–	–	mount in diorama
597/3	m. –	–	–	–	mount in diorama
598/4	f. –	–	–	–	mount in diorama

**170. *Turdus torquatus***

599/1	m. 12. 1. 1888.	Župa Dubrovačka	–	220	mount
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**171. *Turdus merula***

600/1	m. 4. 6. 1960.	Majkovi	A. Lesinger & I. Tutman	–	skin
601/2	m. 5. 5. 1960.	Majkovi	A. Lesinger & I. Tutman	–	skin
602/3	f. 13. 12. 1962.	Isl. Lokrum	–	–	skin
603/4	m. 12. 3. 1961.	Isl. Lokrum	A. Lesinger	–	mount
604/5	m. –	–	–	–	mount in diorama
605/6	m. –	–	–	–	mount in diorama
606/7	juv. –	–	–	–	mount in diorama
607/8	juv. –	–	–	–	mount in diorama
608/9	juv. –	–	–	–	mount in diorama

**172. *Turdus pilaris***

609/1	m. 10. 11. 1897.	Župa Dubrovačka	–	218	mount
610/2	f. 22. 2. 1962.	Župa Dubrovačka	A. Lesinger	–	skin
611/3	f. 22. 2. 1962.	Župa Dubrovačka	–	–	skin
612/4	f. 22. 2. 1962.	Župa Dubrovačka	A. Lesinger	–	skin
613/5	f. 15. 3. 1962.	Isl. Lokrum	A. Lesinger	–	skin
614/6	ad. –	–	–	–	mount in diorama
615/7	ad. –	–	–	–	mount in diorama
616/8	ad. –	–	–	–	mount in diorama

**173. *Turdus philomelos***

617/1	– 8. 12. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
618/2	m. 20. 1. 1962.	Rijeka Dubrovačka	A. Lesinger	–	skin
619/3	m. 16. 2. 1962.	Isl. Lokrum	A. Lesinger	–	skin
620/4	m. 18. 2. 1962.	Isl. Lokrum	A. Lesinger	–	skin

621/5	– 18. 3. 1962.	Isl. Lokrum	–	–	skin
622/6	f. 10. 11. 1965.	Isl. Lokrum	–	–	mount in diorama
623/7	ad. 7. 4. 1953.	Dubrovnik	–	–	mount
624/8	–	–	–	–	skin

**174. *Turdus iliacus***

625/1	– 22. 2. 1962.	Župa Dubrovačka	A. Lesinger	–	skin
626/2	– 15. 3. 1962.	Isl. Lokrum	A. Lesinger	–	skin
627/3	m. 15. 3. 1962.	Isl. Lokrum	–	–	skin
628/4	f. 15. 3. 1962.	Isl. Lokrum	–	–	skin
629/5	ad. –	–	–	–	mount in diorama
630/6	ad. –	–	–	–	mount in diorama

**175. *Turdus viscivorus***

631/1	f. 3. 2. 1962.	Isl. Lokrum	A. Lesinger	–	skin
632/2	m. 15. 2. 1962.	Isl. Lokrum	A. Lesinger	–	skin
633/3	f. 16. 2. 1962.	Isl. Lokrum	A. Lesinger	–	skin
634/4	m. 15. 3. 1962.	Isl. Lokrum	A. Lesinger	–	skin
635/5	ad. –	–	–	–	mount in diorama
636/6	ad. –	–	–	–	mount in diorama

**176. *Cettia cetti***

637/1	– 28. 10. 1960.	Metković	A. Lesinger	–	skin
638/2	m. 17. 10. 1961.	Metković	A. Lesinger & I. Tutman	–	skin
639/3	m. 23. 5. 1963.	Metković	A. Lesinger	–	skin
640/4	ad. –	–	–	–	mount in diorama
641/5	ad. –	–	–	–	mount in diorama

**177. *Acrocephalus schoenobaenus***

642/1	juv. 29. 9. 1960.	Mandaljena	A. Lesinger	–	skin
643/2	– 9. 3. 1962.	Konavle	A. Lesinger	–	skin

**178. *Acrocephalus arundinaceus***

644/1	f. 20. 9. 1889.	Lapad	R. Tomašević	277	mount
645/2	m. 25. 4. 1963.	Metković	A. Lesinger	–	skin
646/3	m. 25. 4. 1963.	–	A. Lesinger	–	skin
647/4	m. 1. 5. 1966.	Gabela	–	–	skin
648/5	ad. –	–	–	–	mount in diorama

**179. *Hippolais pallida***

649/1	m. 5. 5. 1960.	Majkovi	I. Tutman & A. Lesinger	–	skin
650/2	f. 4. 6. 1960.	Majkovi	I. Tutman & A. Lesinger	–	skin

**180. *Hippolais olivetorum***

651/1 m. 4. 6. 1960. Majkovi A. Lesinger – skin  
& I. Tutman

**181. *Hippolais icterina***

652/1 m. 22. 5. 1897. Kono od Lokruma B. B. Kosić 273 mount  
653/2 f. 22. 5. 1897. Kono od Lokruma B. B. Kosić 274 mount  
654/3 f. 15. 5. 1960. Lapad I. Tutman – skin  
& A. Lesinger  
655/4 m. 15. 5. 1960. Lapad A. Lesinger – skin  
& I. Tutman

**182. *Sylvia cantillans***

656/1 f. 4. 6. 1960. Majkovi I. Tutman – skin  
& A. Lesinger  
657/2 f.(juv.) 17. 8. 1960. Isl. Lokrum A. Lesinger – skin  
& I. Tutman  
658/3 juv. 2. 8. 1961. Brsečine A. Lesinger – skin  
659/4 m. 24. 3. 1962. Isl. Lokrum – – skin  
660/5 m. – – – – mount in diorama

**183. *Sylvia melanocephala***

661/1 m. 17. 9. 1960. Isl. Lokrum A. Lesinger – mount

**184. *Sylvia hortensis***

662/1 m. 1. 6. 1897. Lapad B. B. Kosić 261 mount  
663/2 f. 4. 6. 1960. Majkovi A. Lesinger – skin  
& I. Tutman  
664/3 ad. – – – – mount in diorama

**185. *Sylvia communis***

665/1 m. 28. 9. 1960. Brgat A. Lesinger – skin  
& I. Tutman  
666/2 m. 11. 4. 1962. Lapad – – skin  
667/3 m. 25. 4. 1963. Metković A. Lesinger – skin

**186. *Sylvia borin***

668/1 m. 25. 7. 1897. Lapad B. B. Kosić 266 mount  
669/2 f. 17. 9. 1960. Isl. Lokrum A. Lesinger – skin  
& I. Tutman  
670/3 – 2. 9. 1961. Isl. Lokrum A. Lesinger – skin  
& I. Tutman  
671/4 m. 24. 9. 1960. Isl. Lokrum A. Lesinger – mount

**187. *Sylvia atricapilla***

672/1	f. 27. 9. 1960.	Mandaljena	A. Lesinger & I. Tutman	-	skin
673/2	m. 27. 9. 1960.	Mandaljena	A. Lesinger & I. Tutman	-	skin
674/3	f. 28. 9. 1961.	Mandaljena	A. Lesinger & I. Tutman	-	skin
675/4	f. 11. 4. 1961.	Isl. Lokrum	-	-	skin
676/5	f. -	Mandaljena	A. Lesinger & I. Tutman	-	skin
677/6	m. 4. 10. 1960.	Lapad	A. Lesinger	-	mount
678/7	m. 1. 2. 1953.	Lapad	A. Lesinger	-	mount

**188. *Phylloscopus sibilatrix***

679/1	-	-	-	-	skin
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**189. *Phylloscopus collybita***

680/1	- 4. 10. 1960.	Lapad	I. Tutman & A. Lesinger	-	skin
681/2	- 4. 10. 1960.	Lapad	A. Lesinger & I. Tutman	-	skin
682/3	- 20. 1. 1962.	Rijeka Dubrovačka	A. Lesinger & I. Tutman	-	skin

**190. *Phylloscopus trochilus***

683/1	- 4. 10. 1960.	Lapad	A. Lesinger & I. Tutman	-	skin
684/2	ad. -	-	-	-	skin

**191. *Regulus ignicapillus***

685/1	m. 23. 9. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	-	skin
686/2	- 28. 9. 1960.	Ravoj	A. Lesinger & I. Tutman	-	skin
687/3	m. 8. 10. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	-	skin
688/4	m. 15. 12. 1962.	Isl. Lokrum	-	-	skin
689/5	f. 23. 3. 1963.	Isl. Lokrum	A. Lesinger	-	skin

**192. *Muscicapa striata***

690/1	f. 23. 5. 1897.	Kono od Lokruma	B. B. Kosić	200	mount
691/2	f. 25. 9. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	-	skin
692/3	f. 28. 9. 1960.	Župa Dubrovačka	A. Lesinger & I. Tutman	-	skin



693/4	m. 6. 6. 1961.	Majkovi	A. Lesinger & I. Tutman	–	skin
694/5	m. 9. 5. 1967.	Isl. Lokrum	–	–	skin
695/6	f. 5. 10. 1967.	–	–	–	skin
696/7	f. 24. 9. 1960.	Isl. Lokrum	A. Lesinger	–	mount
<b>193. <i>Ficedula semitorquata</i></b>					
697/1	m. 16. 4. 1892.	Lapad	–	–	mount
<b>194. <i>Ficedula albicollis</i></b>					
698/1	m. 8. 4. 1962.	Isl. Lokrum	–	–	skin
699/2	f. 24. 5. 1963.	Metković	A. Lesinger	–	skin
<b>195. <i>Ficedula hypoleuca</i></b>					
700/1	m. 1. 5. 1961.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
<b>196. <i>Aegithalos caudatus</i></b>					
701/1	– 15. 2. 1898.	Kono od Lokruma	A. Kukuljica	233	mount
702/2	– 19. 10. 1961.	Metković	A. Lesinger & I. Tutman	–	skin
703/3	ad. –	–	–	–	mount in diorama
704/4	ad. –	–	–	–	mount in diorama
705/5	ad. –	–	–	–	mount in diorama
<b>197. <i>Parus palustris</i></b>					
706/1	m. 6. 2. 1966.	Bosanka	A. Kukuljica	–	skin
707/2	f. 14. 8. 1963.	Bosanka	A. Lesinger & I. Tutman	–	skin
708/3	f. 29. 3. 1961.	Majkovi	A. Lesinger & I. Tutman	–	skin
709/4	m. 29. 3. 1961.	Majkovi	A. Lesinger & I. Tutman	–	skin
<b>198. <i>Parus ater</i></b>					
710/1	m. 15. 10. 1896.	Gorica Sv. Vlaha	–	235	mount
711/2	m. 15. 10. 1896.	Gorica Sv. Vlaha	–	235	mount
712/3	f. 23. 3. 1963.	Isl. Lokrum	A. Lesinger	–	skin
713/4	ad. –	–	–	–	mount in diorama
714/5	ad. –	–	–	–	mount in diorama
<b>199. <i>Parus caeruleus</i></b>					
715/1	m. 6. 6. 1960.	Majkovi	A. Lesinger & I. Tutman	–	skin
716/2	m. 26. 10. 1960.	Metković	A. Lesinger & I. Tutman	–	skin

717/3	ad.	-	-	-	-	mount in diorama
718/4	ad.	-	-	-	-	mount in diorama
719/5	ad.	-	-	-	-	mount in diorama

**200. *Parus major***

720/1	m. 25. 11. 1897.	Kono od Lokruma	A. Kukuljica	237	mount
721/2	m. 25. 11. 1897.	Kono od Lokruma	A. Kukuljica	237	mount
722/3	f. 27. 9. 1960.	Mandaljena	A. Lesinger & I. Tutman	-	skin
723/4	m. 10. 11. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	-	skin
724/5	m. 18. 3. 1961.	Isl. Jakljan	A. Lesinger & I. Tutman	-	skin
725/6	m. 20. 9. 1960.	Lapad	A. Lesinger	-	mount in diorama

**201. *Sitta europaea***

726/1	m. 15. 11. 1890.	Lapad	A. Vuličević	-	mount
727/2	m. 4. 10. 1896.	Zagospom	B. B. Kosić	-	mount
728/3	m. 14. 11. 1896.	Zagospom	B. B. Kosić	-	mount
729/4	m. 16. 3. 1966.	-	M+R	-	skin
730/5	ad.	-	-	-	mount in diorama
731/6	ad.	-	-	-	mount in diorama

**202. *Sitta neumayer***

732/1	m. 15. 11. 1889.	Lapad	A. Kukuljica	-	mount
733/2	-	Šumet	-	-	skin
734/3	f. 26. 12. 1891.	Drijen	I. Papi	-	mount
735/4	m. 3. 8. 1961.	Brsečine	A. Lesinger & I. Tutman	-	skin
736/5	m. 25. 10. 1962.	Isl. Lokrum	-	-	skin
737/6	ad.	-	-	-	mount in diorama
738/7	ad.	-	-	-	mount in diorama

**203. *Tichodroma muraria***

739/1	f. 24. 11. 1899.	Ivanica	N. Cvjetanić	281*	mount
740/2	ad.	-	-	-	mount in diorama
741/3	ad.	-	-	-	mount in diorama
742/4	ad.	-	-	-	mount in diorama

**204. *Certhia familiaris***

743/1	- 31. 10. 1962.	Isl. Lokrum	A. Lesinger	-	skin
744/2	ad. 3. 11. 1961.	Isl. Lokrum	A. Lesinger	-	mount

**205. *Certhia brachydactyla***

745/1	ad.	-	-	-	skin
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746/2	m. 4. 6. 1960.	Majkovi	A. Lesinger & I. Tutman	-	skin
747/3	f. 2. 7. 1961.	Brsečine	A. Lesinger & I. Tutman	-	skin
748/4	- 31. 7. 1961.	Trsteno	A. Lesinger & I. Tutman	-	skin

**206. *Oriolus oriolus***

749/1	f. 4. 6. 1960.	Majkovi	A. Lesinger & I. Tutman	-	skin
750/2	f. 28. 9. 1960.	Mandaljena	A. Lesinger	-	skin
751/3	m. 1. 8. 1961.	Trsteno	A. Lesinger & I. Tutman	-	skin
752/4	f. 14. 5. 1953.	Dubrovnik	-	-	mount
753/5	f. 14. 5. 1953.	Dubrovnik	-	-	mount
754/6	m. -	-	-	-	mount in diorama
755/7	f. -	-	-	-	mount in diorama

**207. *Lanius collurio***

756/1	m. 16. 7. 1887.	Kono od Lokruma	B. B. Kosić	206	mount
757/2	m. 12. 5. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	-	skin
758/3	m. 1. 7. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	-	skin
759/4	m. 6. 7. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	-	skin
760/5	m. 11. 7. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	-	skin
761/6	juv. m. 24. 9. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	-	skin
762/7	m. -	-	-	-	mount in diorama
763/8	m. -	-	-	-	mount in diorama

**208. *Lanius excubitor***

764/1	m. 19. 11. 1961.	Gacko	A. Lesinger	-	skin
765/2	ad. 18. 1. 1947.	-	N. Karadžak	-	mount in diorama
766/3	ad. 18. 1. 1947.	-	-	-	mount in diorama

**209. *Lanius senator***

767/1	m. 15. 5. 1960.	Lapad	I. Tutman & A. Lesinger	-	skin
768/2	f. 22. 4. 1961.	Isl. Lokrum	A. Lesinger & I. Tutman	-	skin
769/3	m. -	-	-	-	mount
770/4	m. -	-	-	-	mount
771/5	m. 1. 5. 1961.	Isl. Lokrum	A. Lesinger	-	mount

**210. *Garrulus glandarius***

772/1	m. 29. 9. 1960.	Grbavac	A. Lesinger & I. Tutman	-	skin
773/2	ad. -	-	-	-	mount in diorama
774/3	ad. -	-	-	-	mount in diorama

**211. *Pica pica***

775/1	ad -	-	-	-	mount in diorama
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**212. *Nucifraga caryocatactes***

776/1	f. 27. 9. 1911.	Dubrovnik	M. Tikvica	460-2	mount
777/2	m. 7. 10. 1911.	Gorica Sv. Vlaha	G. Drašković	194	mount
778/3	f. 16. 10. 1911.	Župa Dubrovačka	D. Pitarević	194	mount

**213. *Pyrrhonorax graculus***

779/1	m. 18. 4. 1891.	Srđ	B. B. Kosić	197	mount
780/2	f. 13. 11. 1891.	Bosanka	F. Afan De Rivera	195	mount
781/3	m. 13. 11. 1891.	Bosanka	F. Afan De Rivera	195	mount
782/4	f. 29. 2. 1962.	Ilina Glavica	A. Lesinger	-	skin
783/5	ad. -	-	-	-	mount in diorama
784/6	ad. -	-	-	-	mount in diorama

**214. *Corvus monedula***

785/1	m. 16. 2. 1892.	Ilina Glavica	N. Milošević	191	mount
786/2	m. 26. 2. 1902.	Zaton	R. Vuličević	191*	mount
787/3	m. 4. 10. 1902.	Župa Dubrovačka	D. V. Medini	191**	mount
788/4	m. -	-	-	-	mount in diorama
789/5	ad. -	-	-	-	mount in diorama

**215. *Corvus frugilegus***

790/1	m. 23. 11. 1896.	Gruž	B. E. Rotti	189	mount
791/2	m. 13. 1. 1899.	Primorje	N. Cvjetanić	189*	mount
792/3	ad. -	-	-	-	mount in diorama
793/4	ad. -	-	-	-	mount in diorama

**216. *Corvus corone cornix***

794/1	m. 27. 10. 1897.	Ljubovo	A. Galjuf	188	mount
795/2	ad. 4. 10. 1952.	Dubrovnik	-	-	mount
796/3	ad. -	-	-	-	mount in diorama
797/4	ad. -	-	-	-	mount in diorama

**217. *Corvus corax***

798/1	m. 10. 9. 1962.	Isl. Lokrum	A. Lesinger	-	skin
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799/2	– 5. 11. 1966.	Isl. Lokrum	A. Lesinger	–	skin
800/3	ad. –	–	–	–	mount in diorama
801/4	ad. –	–	–	–	mount in diorama

**218. *Sturnus vulgaris***

802/1	m. 3. 11. 1896.	Brsalje	K. Tomašević	183	mount
803/2	m. 3. 11. 1896.	Brsalje	K. Tomašević	183	mount
804/3	m. 18. 3. 1961.	Isl. Šipán	A. Lesinger	–	skin
			& I. Tutman		
805/4	f. 29. 3. 1961.	Majkovi	A. Lesinger	–	skin
			& I. Tutman		
806/5	m. 15. 8. 1962.	Isl. Lokrum	–	–	skin
807/6	m. 26. 12. 1962.	Isl. Lokrum	–	–	skin
808/7	m. –	–	–	–	mount
809/8	imm. –	–	–	–	mount
810/9	imm. –	–	–	–	mount
811/10	imm. –	–	–	–	mount
812/11	imm. –	–	–	–	mount

**219. *Sturnus roseus***

813/1	m. 12. 6. 1884.	Orašac	M. Dabrović	182	mount
814/2	f. 12. 6. 1884.	Orašac	M. Dabrović	182	mount
815/3	m. 19. 6. 1962.	Čilipi	–	–	mount in diorama
816/4	f. 19. 6. 1962.	Čilipi	–	–	mount in diorama

**220. *Passer domesticus***

817/1	m. –	–	–	–	skin
818/2	m. –	–	–	–	skin
819/3	m. –	–	–	–	skin
820/4	f. 28. 9. 1960.	Mandaljena	A. Lesinger	–	skin
			& I. Tutman		
821/5	–f. 8. 10. 1960.	Isl. Lokrum	A. Lesinger	–	skin
			& I. Tutman		
822/6	f. 18. 3. 1961.	Isl. Šipán	A. Lesinger	–	skin
			& I. Tutman		
823/7	m. –	–	–	–	skin
824/8	m. –	–	–	–	mount in diorama
825/9	m. –	–	–	–	mount in diorama
826/10	m. –	–	–	–	mount in diorama
827/11	imm. –	–	–	–	mount in diorama
828/12	imm. –	–	–	–	mount in diorama

**221. *Passer hispaniolensis***

829/1	m. 14. 4. 1964.	Virpazar	–	–	skin
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**222. *Passer montanus***

830/1	ad.	–	–	–	–	mount in diorama
831/2	ad.	–	–	–	–	mount in diorama
832/3	ad.	–	–	–	–	mount in diorama
833/4	ad.	–	–	–	–	mount in diorama
834/5	imm.	–	–	–	–	mount in diorama
835/6	imm.	–	–	–	–	mount in diorama
836/7	imm.	–	–	–	–	mount in diorama
837/8	ad.	–	–	–	–	mount in diorama
838/9	ad.	–	–	–	–	mount in diorama
839/10	ad.	–	–	–	–	mount in diorama

**223. *Fringilla coelebs***

840/1	m. 27. 10. 1896.	Kono od Lokruma	A. Kukuljica	179	mount
841/2	m. 14. 1. 1898.	Kono od Lokruma	A. Kukuljica	180	mount
842/3	m. 5. 11. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
843/4	m.	–	–	–	mount in diorama
844/5	f.	–	–	–	mount in diorama
845/6	f.	–	–	–	mount in diorama
846/7	f.	–	–	–	mount in diorama

**224. *Fringilla montifringilla***

847/1	f. 17. 2. 1901.	Lapad	B. B. Kosić	178*	mount
848/2	m.	–	–	–	mount in diorama
849/3	m.	–	–	–	mount in diorama
850/4	m.	–	–	–	mount in diorama
851/5	f.	–	–	–	mount in diorama

**225. *Carduelis chloris***

852/1	m. 24. 6. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
853/2	m. 17. 2. 1961.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
854/3	f. 23. 2. 1961.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
855/4	f. 18. 3. 1961.	Isl. Šipán	A. Lesinger & I. Tutman	–	skin
856/5	m. 18. 3. 1961.	Isl. Šipán	A. Lesinger & I. Tutman	–	skin
857/6	m. 19. 1. 1966.	Metković	–	–	skin

**226. *Carduelis carduelis***

858/1	m. 18. 3. 1960.	Isl. Šipán	A. Lesinger & I. Tutman	–	skin
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859/2	m. 3. 6. 1960.	Slano	A. Lesinger & I. Tutman	–	skin
860/3	m. 27. 10. 1960.	Metković	A. Lesinger & I. Tutman	–	skin
861/4	m. 17. 11. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
862/5	m. 5. 3. 1962.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
863/6	m. –	–	–	–	mount in diorama
864/7	m. –	–	–	–	mount in diorama
865/8	m. –	–	–	–	mount in diorama

**227. *Carduelis spinus***

866/1	f. 11. 2. 1962.	Isl. Lokrum	A. Lesinger	–	skin
867/2	m. –	–	–	–	mount in diorama
868/3	m. –	–	–	–	mount in diorama
869/4	m. –	–	–	–	mount in diorama
870/5	f. –	–	–	–	mount in diorama
871/6	f. –	–	–	–	mount in diorama
872/7	f. –	–	–	–	mount in diorama
873/8	f. –	–	–	–	mount in diorama

**228. *Carduelis cannabina***

874/1	m. 15. 3. 1962.	Isl. Lokrum	–	–	skin
875/2	m. 11. 1. 1968.	Metković	–	–	skin
876/3	m. 27. 10. 1960.	Metković	A. Lesinger	–	mount

**229. *Loxia curvirostra***

877/1	m. –	–	–	–	skin
878/2	m. –	–	–	–	skin
879/3	m. 20. 12. 1902.	Zagospom	B. B. Kosić	173***	mount
880/4	m. 20. 12. 1902.	Zagospom	B. B. Kosić	173***	mount
881/5	m. –	–	–	–	mount in diorama
882/6	m. –	–	–	–	mount in diorama
883/7	f. –	–	–	–	mount in diorama

**230. *Pyrrhula pyrrhula***

884/1	m. 3. 2. 1893.	Dubrovnik	B. B. Kosić	171	mount
885/2	f. 8. 2. 1893.	Lapad	A. Kukuljica	172	mount
886/3	f. 6. 11. 1966.	Bosanka	–	–	skin
887/4	m. –	–	–	–	mount in diorama
888/5	m. –	–	–	–	mount in diorama
889/6	m. –	–	–	–	mount in diorama
890/7	m. imm. –	–	–	–	mount in diorama
891/8	f. –	–	–	–	mount in diorama

892/9	f.	–	–	–	–	mount in diorama
893/10	f.	–	–	–	–	mount in diorama

**231. *Coccothraustes coccothraustes***

894/1	f.	–	–	–	–	skin
895/2	f.	–	–	–	–	skin
896/3	m.	1867.	Lapad	B. B. Kosić	173	mount
897/4	f.	1. 8. 1961.	Trsteno	A. Lesinger & I. Tutman	–	skin
898/5	m.	15. 3. 1962.	Isl. Lokrum	–	–	skin
899/6	m.	18. 3. 1962.	Lapad	–	–	skin
900/7	f.	21. 2. 1963.	Isl. Lokrum	A. Lesinger	–	skin
901/8	m.	19. 12. 1961.	Metković	–	–	mount in diorama
902/9	f.	–	–	–	–	mount in diorama
903/10	juv.	–	–	–	–	mount in diorama
904/11	juv.	–	–	–	–	mount in diorama
905/12	juv.	–	–	–	–	mount in diorama

**232. *Emberiza citrinella***

906/1	f.	18. 3. 1962.	Isl. Lokrum	A. Lesinger	–	mount
907/2	ad.	–	–	–	–	mount in diorama
908/3	ad.	–	–	–	–	mount in diorama
909/4	ad.	–	–	–	–	mount in diorama

**233. *Emberiza cirius***

910/1	m.	5. 5. 1960.	Majkovi	A. Lesinger & I. Tutman	–	skin
911/2	m.	12. 5. 1960.	Isl. Lokrum	A. Lesinger	211	mount
912/3	m.(imm.)	29. 9. 1960.	Grbavac	A. Lesinger & I. Tutman	–	skin
913/4	m.	29. 9. 1961.	Grbavac	A. Lesinger & I. Tutman	–	skin
914/5	m.	9. 11. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
915/6	m.	9. 11. 1960.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
916/7	m.	30. –1961.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
917/8	f.	26. 1. 1961.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
918/9	m.	5. 2. 1961.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
919/10	f.	5. 3. 1961.	Isl. Lokrum	A. Lesinger & I. Tutman	–	skin
920/11	m.	17. 3. 1961.	Isl. Šipán	A. Lesinger & I. Tutman	–	skin



921/12	f. 27. 10. 1967.	Isl. Lokrum	–	–	skin
922/13	m. 28. 2 or 11. 1968.	Isl. Lokrum	–	–	skin
923/14	m. –	–	–	–	mount in diorama
924/15	m. –	–	–	–	mount in diorama
925/16	m. –	–	–	–	mount in diorama
926/17	m. –	–	–	–	mount in diorama

**234. *Emberiza cia***

927/1	f. 17. 1. 1897.	Kono od Lokruma	C. Damiani	164	mount
928/2	f. 28. 2. 1961.	Lapad	A. Lesinger & I. Tutman	–	skin
929/3	f. 28. 2. 1961.	Lapad	A. Lesinger & I. Tutman	–	skin
930/4	m. 3. 3. 1962.	Isl. Lokrum	A. Lesinger	–	skin
931/5	m. –	–	–	–	mount in diorama
932/6	m. –	–	–	–	mount in diorama
933/7	m. –	–	–	–	mount in diorama

**235. *Emberiza hortulana***

934/1	f. 4. 4. 1897.	Isl. Daksa	L. Bogdan	163	mount
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**236. *Emberiza schoeniclus***

935/1	m. 15. 3. 1966.	Gabela	–	–	skin
936/2	m. 21. 10. 1961.	Metković	A. Lesinger & I. Tutman	–	skin
937/3	m. 23. 5. 1963.	Metković	A. Lesinger	–	skin
938/4	m. 9. 3. 1962.	Konavle	A. Lesinger	–	mount
939/5	m. –	–	–	–	mount

**237. *Emberiza melanocephala***

940/1	m. 22. 5. 1897.	Lapad	B. B. Kosić	168	mount
941/2	m. 4. 6. 1960.	Majkovi	A. Lesinger & I. Tutman	–	skin
942/3	m. 5. 6. 1960.	Majkovi	A. Lesinger & I. Tutman	–	skin
943/4	m. 8. 4. (or 9.) 1962.	Isl. Lokrum	–	–	skin

**238. *Miliaria calandra***

944/1	f. 22. 12. 1891.	Lapad	A. Kukuljica	169	mount
945/2	m. 29. 3. 1961.	Majkovi	A. Lesinger & I. Tutman	–	skin
946/3	m. 23. 4. 1963.	Metković	A. Lesinger	–	skin

ADDITION – The list of preparations registered in the internal museum's list without material evidence (here only the species that were present in the collection with preparations,

while today there is not a single specimen to prove this. This makes the complete list of the preparations of the Dubrovnik collection richer by another 10 species.)

1.	<i>Falco columbarius</i>		21. 12. 1888.	Gorica	
2.	<i>Falco biarmicus</i>	f.	–	–	
3.	<i>Tetrao tetrrix</i>	m.	24. 05. 1897.	Lienz	According to this ortography »Lienz« is a town in Tyrol, Austria.
4.	<i>Porzana pusilla</i>	f.	30. 08. 1896.	Ravnice	
5.	<i>Charadrius morinellus</i>	m.	09. 11. 1891.	Orašac	
6.	<i>Calidris alpina</i>	m.	08. 05. 1905.	Gruž	F. Oberster
7.	<i>Numenius arquata</i>		18. 11. 1888.	Konavli	
8.	<i>Troglodytes troglodytes</i>	m.	4. 11. 1960.	Isl. Lokrum	A. Lesinger
9.	<i>Sylvia nisoria</i>		22. 09. 1887.	Kanal	
10.	<i>Plectrophenax nivalis</i>	m.	01. 01. 1891.	Ston	

## DISCUSSION AND CONCLUSION

According to the number of species and number of preparations (Tab. 4) Dubrovnik's ornithological collection is the fourth largest in Croatia.

Birds for the collection of the museum of Dubrovnik were collected in 57 localities. Some of them are not in Croatia, e.g. Grude, Čapljina and Popovo polje in Herzegovina, Titograd and Virpazar in Montenegro and toponym »Lienz« is a town in Tyrol in Austria. Some localities in Croatia like Ston, Sv. Andrija, Metković and Knin are distant from Dubrovnik. For the wider Dubrovnik area TUTMAN (1980) counted 308 bird species during 100 years of research. For the total number of bird species recently known for Croatia (LUKAČ, 1998) 60% are represented in Dubrovnik's ornithological collection. Comparing the internal lists of the »Inventory book of different incoming items since 1882 in Dubrovnik Museum« and the »Skin collection of the Biological Institute in Dubrovnik« the ornithological collec-

**Tab. 4.** The number of species and number of preparations in Croatian ornithological collections.

ORNITHOLOGICAL COLLECTION IN:	No of species	No of preparations
Croatian Natural History Museum	cca 300	6500
Institute of Ornithology, CASA	319	6700
Natural History Museum in Split	320	1161
Dubrovnik Museum	238	946
Ornithological Collection Metković	218	340
Hunting Museum in Bale	121	156

tion used to contain preparations of *Falco columbarius*, *F. biarmicus*, *Charadrius morinellus*, *Sylvia nisoria*, *Plectrophenax nivalis* etc. which have been destroyed in the meantime, so the original number of species and preparations was slightly higher.

The city of Dubrovnik with its wider surroundings, including the estuary of the river Neretva, Bay of Boka Kotorska, its coast and surrounding islands are significant for spring and autumn migrations as well as wintering birds. In the collection there is a mount of a Great Northern Diver (*Gavia immer*), which is the fourth record of the species for the Croatian ornithofauna (HIRTZ, 1936; 1938). In the collection there is also the mount of a White Pelican (*Pelecanus onocrotalus*), unfortunately without a label. From the spring and autumn migration there are data and preparations of Black Stork (*Ciconia nigra*) and Glossy Ibis (*Plegadis falcinellus*). A Red-breasted Goose (*Branta ruficollis*) originates from Grude in Herzegovina.

Birds of prey are represented in the collection by 21 species. Interesting findings concern *Neophron percnopterus* and *Gyps fulvus*, nesting birds of mountainous parts of the Dubrovnik area and neighbouring Herzegovina, from the end of the 19<sup>th</sup> and the first half of the 20<sup>th</sup> century. Specimens of *Aquila clanga*, *A. heliaca*, *Falco naumanni* and *Circus macrourus* were apparently collected during migration.

Specimens of *Bonasa bonasia* and *Tetrao urogallus* in the collection do not originate from the Dubrovnik area. Preparations of the Great (*Otis tarda*) and Little Bustard (*Tetrax tetrax*) date from the last century and concern wintering birds. *Himantopus himantopus*, *Pluvialis apricaria* and *Tringa stagnatilis* were collected in Dubrovnik area during the spring and autumn migration. The mount of *Larus genei* may be the first specimen for Croatia, but unfortunately precise data are lacking (TUTMAN, 1980), so it is not acceptable as a first record for Croatia. The same refers to the specimen of the Semi-collared Flycatcher (*Ficedula semitorquata*), which was first identified as *F. albicollis* (LUKAČ *et al.*, 1993). In the middle of 20<sup>th</sup> century *F. semitorquata* was observed several times in Dubrovnik area (TUTMAN, 1980).

During spring migration in the Dubrovnik area 71 species were collected including many endangered species like *Plegadis falcinellus*, *Aythya nyroca*, *Circus macrourus*, *Falco naumanni*, *Crex crex*, *Himantopus himantopus*, *Tringa stagnatilis*, *Asio flammeus*, *Coracias garrulus*, *Ficedula semitorquata*, *Emberiza cia* and *E. hortulana*.

During autumn migration 83 species were collected in the area; of special importance are findings of *Phalacrocorax pygmaeus*, which probably originate from lake Skadar or Hutovo blato, as well as *Otis tarda*, *Tetrax tetrax*, *Burhinus oedicephalus*, *Pluvialis apricaria*, *Larus melanocephalus*, *Rissa tridactyla*, *Asio flammeus*, *Aegolius funereus*, *Apus pallidus*, *Coracias garrulus*, *Anthus cervinus*, *Bombycilla garrulus*, *Certhia familiaris*, *Tichodroma muraria*, *Nucifraga caryocatactes* and *Corvus frugilegus*.

For the Dubrovnik area 54 wintering species are represented in the collection e.g. 10 specimens of *Alca torda*, and one specimen of *Fratercula arctica*. Of interest are specimens giving further proof for the wintering of *Lymnocyptes minimus*, *Scolopax rusticola*, *Rissa tridactyla*, *Sterna sandvicensis*, *Loxia curvirostra*, *Turdus torquatus* and *Prunella collaris* in Dalmatia (LUKAČ & KARADŽIĆ, 1993).

Furthermore, there are important specimens of Rose-coloured Starlings (*Sturnus roseus*) in the collection, which were probably collected as sporadic breeders in the

area during invasion. Also the Levant Sparrowhawk (*Accipiter brevipes*) may probably nest sporadically in this part of Dalmatia (TUTMAN, 1980; LUKAČ, 1998).

Characteristic Mediterranean breeding birds in the collection from the area are *Hippolais pallida*, *H. olivetorum*, *Emberiza melanocephala*, *Sitta neumayer* and *Parus lugubris*. A skin of the Spanish Sparrow (*Passer hispaniolensis*) originates from Virpazar in Montenegro; at present this species has become a common nesting bird in the Dubrovnik area (TUTMAN, 1980; LUKAČ, 1988). Of all Croatian breeding bird species represented in the collection, 51 species breed in the Dubrovnik area.

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