

Bochenski, Z.M., Happ, J., Salwa, G., Tomek, T. An intriguing new species of dabbling duck (Aves: Anseriformes) from the Middle Miocene of Austria.

APPENDIX 1. Length of selected bones (in mm) and their ratios, rounded to one decimal place to avoid giving a false impression of the accuracy of this preliminary analysis. Abbreviations: hum, humerus; cmc, carpometacarpus; cor, coracoid. Extant specimen numbers are those of the osteological collection of the ISEA PAS. Classification of modern taxa follow Dickinson and Remsen (2013).

Taxon	Specimen number	Taxonomic group	Total length			Medial length	Ratios		
			HUM	ULNA	CMC	COR	hum/ulna	hum/cmc	cmc/cor
<i>Lavanttalornis hassleri</i> gen et sp. nov.	LMK-Pal 7453a+a'+b+c+d	Anatidae	75.5	69.5	46.4	42.4	1.1	1.6	1.1
<i>Dendrocygna bicolor</i>	5549	Dendrocygninae	97.8	102.18	51.69	43.35	1.0	1.9	1.2
<i>Dendrocygna autumnalis</i>	4386	Dendrocygninae	93.9	98.46	52.72	41.55	1.0	1.8	1.3
<i>Dendrocygna viduata</i>	5278	Dendrocygninae	89.76	92.92	50.37	37.72	1.0	1.8	1.3
<i>Dendrocygna eytoni</i>	4417	Dendrocygninae	93.29	96.99	52.71	40.16	1.0	1.8	1.3
<i>Dendrocygna arborea</i>	5033	Dendrocygninae	115.18	114.22	63.14	46.43	1.0	1.8	1.4
<i>Oxyura jamacensis</i>	4657	Oxyurinae	69.63	60.98	35.2	38.97	1.1	2.0	0.9
<i>Bucephala clangula</i>	5573	Mergini	83.19	71.43	49.76	52.92	1.2	1.7	0.9
<i>Bucephala islandica</i>	860	Mergini	81.13	71.04	48.63		1.1	1.7	
<i>Clangula hyemalis</i>	6282	Mergini	73.57	66.71	46.7	46.59	1.1	1.6	1.0
<i>Lophodytes cucullatus</i>	5141	Mergini	60.91	49.24	37.17	37.82	1.2	1.6	1.0
<i>Melanitta fusca</i>	7524	Mergini	91.31	83.59	53.46	47.49	1.1	1.7	1.1
<i>Melanitta nigra</i>	2432	Mergini	96.71	88.22	55.81	46.22	1.1	1.7	1.2
<i>Mergellus albellus</i>	3440	Mergini	74.38	60.4	41.76	46.08	1.2	1.8	0.9
<i>Mergus merganser</i>	5638	Mergini	99.56	83.24	60.21	67.09	1.2	1.7	0.9
<i>Mergus serrator</i>	2163	Mergini	92.58	76.3	52.66	60.53	1.2	1.8	0.9
<i>Somateria mollissima</i>	4719	Mergini	114.02	100.21	68.81	63.18	1.1	1.7	1.1
<i>Alopochen aegyptiaca</i>	1397	Tadornini	142.91	135.17	82.25	64.96	1.1	1.7	1.3
<i>Chloephaga picta</i>	2262	Tadornini	146.07	144.92	84.08	63.03	1.0	1.7	1.3
<i>Tadorna ferruginea</i>	5671	Tadornini	113.92	109.65	69.74	51.15	1.0	1.6	1.4
<i>Tadorna tadorna</i>	2042	Tadornini	99.15	94.95	60.89	44.52	1.0	1.6	1.4

<i>Tadorna variegata</i>	3991	Tadornini	114.27	108.63	67.6	49.07	1.1	1.7	1.4
<i>Aythya ferrina</i>	6710	Aythyni	86.75	76.93	47.39	48.05	1.1	1.8	1.0
<i>Aythya fuligula</i>	8453	Aythyni	83.51	71.46	44.7	44.62	1.2	1.9	1.0
<i>Aythya marila</i>	2447	Aythyni	89.85	77.83	48.72	46.85	1.2	1.8	1.0
<i>Aythya collaris</i>	6467	Aythyni	74.31	65.35	41.62	44.14	1.1	1.8	0.9
<i>Netta rufina</i>	1978	Aythyni	93.19	81.56	52.25	44.03	1.1	1.8	1.2
<i>Amazonetta brasiliensis</i>	5285	Anatini	65.38	57.99	39.18	34.83	1.1	1.7	1.1
<i>Anas acuta</i>	2569	Anatini	87.12	77.37		45.93	1.1		
<i>Anas bahamensis</i>	6672	Anatini	76.87	69.68	47.09	40.2	1.1	1.6	1.2
<i>Anas capensis</i>	3961	Anatini	71.62	63.88	42.28	37.26	1.1	1.7	1.1
<i>Anas crecca</i>	1728	Anatini	58.17	50.03	36.62	33.85	1.2	1.6	1.1
<i>Anas formosa</i>	5092	Anatini	62.53	53.65	37.96	35.52	1.2	1.6	1.1
<i>Anas gibberifrons</i>	4519	Anatini	68.71	61.33	44.15	36.77	1.1	1.6	1.2
<i>Anas platyrhynchos</i>	6638	Anatini	91.96	78.34	56.96	52.55	1.2	1.6	1.1
<i>Anas poecilorhyncha</i>	6137	Anatini	91.92	77.27	54.88	48.83	1.2	1.7	1.1
<i>Anas rubripes</i>	5457	Anatini	93.27	77.95	56.55	51.85	1.2	1.6	1.1
<i>Anas superciliosa</i>	4900	Anatini	98.8	84.43	60.14	53.06	1.2	1.6	1.1
<i>Malacorhynchus membranaceus</i>	4423	Anatini	64.72	59.17	38.8	31.8	1.1	1.7	1.2
<i>Mareca strepera</i>	1928	Anatini	83.82	71.76	52.05		1.2	1.6	
<i>Mareca falcata</i>	3261	Anatini	77.26	65.16	47.05		1.2	1.6	
<i>Mareca penelope</i>	6574	Anatini	79.82	66.71	48.53	40.42	1.2	1.6	1.2
<i>Mareca sibilatrix</i>	3819	Anatini	88.03	75.89	53.67	44.93	1.2	1.6	1.2
<i>Spatula clypeata</i>	7510	Anatini	69.36	60.8	43.3	36.57	1.1	1.6	1.2
<i>Spatula cyanoptera</i>	4387	Anatini	64.5	53.97	39.18	34.52	1.2	1.6	1.1
<i>Spatula discors</i>	3823	Anatini	60.43	51.61	36.72	33.38	1.2	1.6	1.1
<i>Spatula querquedula</i>	8637	Anatini	66.73	57.01	39.74	36.61	1.2	1.7	1.1
<i>Spatula rhynchotis</i>	4903	Anatini	79.18	67.93	49.07	44.81	1.2	1.6	1.1
<i>Aix galericulata</i>	8004	Incertae sedis	68.16	58.23	42.28	41.02	1.2	1.6	1.0
<i>Aix sponsa</i>	4724	Incertae sedis	70.73	56.91	45.62	42.12	1.2	1.6	1.1
<i>Biziura lobata</i>	5018	Incertae sedis	94.19	78.72	41.94	42.36	1.2	2.2	1.0
<i>Cairina moschata</i>	6361	Incertae sedis	110.75	97.07	66.34	59.48	1.1	1.7	1.1
<i>Calonetta leucophrys</i>	4853	Incertae sedis	59.66	53.84	37.88	32.63	1.1	1.6	1.2

<i>Chenonetta jubata</i>	5478	Incertae sedis	88.43	80.38	54.4	47.67	1.1	1.6	1.1
<i>Nettapus auritus</i>	5663	Incertae sedis	53.7	48.31	30.96	28.74	1.1	1.7	1.1
<i>Nettapus coromandelianus</i>	6490	Incertae sedis	51.83	44.71	30.18	26.75	1.2	1.7	1.1
<i>Nettapus puchellus</i>	4521	Incertae sedis	59.25	51.2	34.52	31.7	1.2	1.7	1.1
<i>Stictonetta naevosa</i>	4418	Incertae sedis	86.8	76.45	50.47	44.09	1.1	1.7	1.1