

# Corrections to: Seasonal Markers: Seven Series of Magdalenian Images and Their Symbolic Use

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## CORRECTIONS

The original version of this article (Castelli 2022:1, <https://doi.org/10.48738/2022.iss1.98>) has been amended to replace:

- Table 1 on article page 4;
- the first page of Table 3, on article page 8; and,
- Table 4, on article page 27.

See following pages for corrected Tables.

TABLE 1. LIST OF MUSEUMS.

CODE	NAME	INSTITUTION / HISTORICAL BUILDING	CITY	STATE / REGION / DEPT.	COUNTRY	WEBSITE	PICTURE LIBRARY
AA	Musée départemental d'histoire et d'archéologie	abbaye d'Arthouss	Hastingues	Landes	France	<a href="http://arthouss.landes.fr/">http://arthouss.landes.fr/</a> [4]	
BM	British Museum		London		UK	<a href="https://www.britishmuseum.org/">https://www.britishmuseum.org/</a> [4]	
LMA	Logan Museum of Anthropology	Beloit College	Beloit	Wisconsin	USA	<a href="https://www.beloit.edu/logan/">https://www.beloit.edu/logan/</a>	
MA	Musée d'Aquitaine		Bordeaux	Gironde	France	<a href="http://www.musee-aquitaine-bordeaux.fr/">http://www.musee-aquitaine-bordeaux.fr/</a> [4]	
MAA	Museo Arqueológico de Asturias		Oviedo	Asturias	Spain	<a href="http://www.museoarqueologicoasturias.com/">http://www.museoarqueologicoasturias.com/</a>	
MAAP	Musée d'art et d'archéologie du Périgord		Périgueux	Dordogne	France	<a href="https://www.perigueux-maap.fr/">https://www.perigueux-maap.fr/</a>	
MAH	Museum zu Allerheiligen	former Allerheiligen monastery	Schaffhausen		Switzerland	<a href="https://www.allerheiligen.ch/">https://www.allerheiligen.ch/</a>	
MAHG	Musée d'art et d'histoire de Genève	château de Saint-Germain-en-Laye	Genève	Yvelines	Switzerland	<a href="http://institutions.ville-geneve.ch/fr/mah/">http://institutions.ville-geneve.ch/fr/mah/</a>	RMN Grand Palais
MAN	Musée d'archéologie nationale [1]	château de Saint-Germain-en-Laye	Saint-Germain-en-Laye		France	<a href="https://musee-archeologiquenationale.fr/">https://musee-archeologiquenationale.fr/</a>	Base Joconde CER.ES
MB	Museo Arqueológico Nacional	château de Pujol	Madrid		Spain	<a href="http://www.man.es/">http://www.man.es/</a>	
MBAC	Musée Béguéouh		Montesquiou-Avanès		France		
MC-MHNL	Musée des beaux-arts de Carcassonne		Carcassonne		France	<a href="https://www.carcassonne.org/">https://www.carcassonne.org/</a> [5]	
	Musée des Confluences [2]		Lyon		France	<a href="https://www.museedesconfluences.fr/">https://www.museedesconfluences.fr/</a>	
MCHM	Musée de Cahors Henri-Martin		Cahors	Lot	France	<a href="https://cahorsaggl.fr/">https://cahorsaggl.fr/</a> [5]	
MDA	Musée départemental de l'Ariège		Foix	Ariège	France	<a href="https://musees-occitanie.fr/">https://musees-occitanie.fr/</a> [6]	
MDW	Musée Despiau-Wirrick [3]	château de Foix	Mont-de-Marsan	Landes	France	<a href="http://www.monidemarsan.fr/">http://www.monidemarsan.fr/</a> [5]	
MH	Musée de l'Homme	Muséum national d'histoire naturelle	Paris		France	<a href="http://www.museedelhomme.fr/">http://www.museedelhomme.fr/</a>	
ML	Musée Labenche		Brive	Corrèze	France	<a href="http://www.museelabenche.fr/">http://www.museelabenche.fr/</a>	
MN	Musée archéologique	ancien palais des archevêques	Narbonne	Aude	France	<a href="http://www.musees-narbonne.fr/">http://www.musees-narbonne.fr/</a> [6]	
MNCLIA	Museo Nacional y Centro de Investigación de Altamira		Santillana del Mar	Cantabria	Spain	<a href="http://www.mecd.gob.es/maltamira/">http://www.mecd.gob.es/maltamira/</a>	CER.ES
MNCN	Museo Nacional de Ciencias Naturales		Madrid		Spain	<a href="https://www.mncn.csic.es/">https://www.mncn.csic.es/</a> [4]	
MNHN	Muséum national d'histoire naturelle		Paris		France	<a href="https://www.mnhn.fr/">https://www.mnhn.fr/</a>	
MNP	Musée national de préhistoire		Les Eyzies-de-Tayac		France	<a href="https://musee-prehistoire-eyzies.fr/">https://musee-prehistoire-eyzies.fr/</a>	RMN Grand Palais
MNS	Musée national suisse		Zurich		Switzerland	<a href="https://www.nationalmuseum.ch/">https://www.nationalmuseum.ch/</a> [4]	
MP	Musée de la préhistoire		Le Mas-d'Azil		France	<a href="https://www.le-mas-dazil.fr/">https://www.le-mas-dazil.fr/</a> [5]	
MuPAC	Museo de Prehistoria y Arqueología de Cantabria		Santander		Spain	<a href="https://www.museosdecantabria.es/">https://www.museosdecantabria.es/</a> [6]	RMN Grand Palais
MRAL	Musée régional de préhistoire Amédée Lemozi	centre de préhistoire du Pech Merle	Cabrerets	Lot	France	<a href="http://www.pechmerle.com/">http://www.pechmerle.com/</a>	
MRB	Musée de Brou	monastère royal de Brou	Bourg-en-Bresse		France	<a href="http://www.monastere-de-brou.fr/">http://www.monastere-de-brou.fr/</a>	
MSC	Musée Sainte-Croix		Poitiers	Ain	France	<a href="https://www.poitiers.fr/">https://www.poitiers.fr/</a> [5]	
MVB	Musée d'histoire naturelle Victor Brun		Montauban	Tarn-et-Garonne	France	<a href="http://www.museum.montauban.com/">http://www.museum.montauban.com/</a>	
PMAE	Peabody Museum of Archaeology and Ethnology	Harvard University	Cambridge	Massachusetts	USA	<a href="https://www.peabody.harvard.edu/">https://www.peabody.harvard.edu/</a> [4]	
RM	Rosgartennuseum		Konstanz	Baden-Württemberg	Germany	<a href="http://www.rosgartennuseum.de/">http://www.rosgartennuseum.de/</a>	

[1] Formerly Musée des antiquités nationales.

[2] Holds collections from the earlier Musée d'histoire naturelle de Lyon, also known as Musée Guimet.

[3] Holds collections from the earlier Musée Dubalen.

[4] Website including, or directly linking to, a picture library devoted to the museum's collections.

[5] Official city website with one or more pages for this museum.

[6] Website for two or more museums.

TABLE 3. ARTIFACT DETAILS.

Figure	Tracing	Museum	Inv. no.	Artifact			Discovery			Calibrated radiocarbon dates	
				Material	Class	Main site	Location	Chamber	Layer/Level	Conventional MS	AMS
1a	035	MAN	8.161	red deer (?) antler	baton	La Madeleine			f-g		15,100–15,600 ya (g)
1b	040	MRB	945.232	reindeer antler	baton	Les Hoteaux	rive gauche				
1c	151	MAN	47.356	bone	tube	Le Mas-d'Azil	rive gauche				
1d	027	MAN	47.355	bone	tube	Le Mas-d'Azil					
1e	025	MAN	47.082	reindeer (?) antler	baton	Lortet					
1f	137	MAAAP	Pr.F.806	reindeer (?) antler	baton	Raymonden					
1g	062	MAN	56.878	bone	ciseau	La Madeleine				14,100–15,800 ya (F7)	
1h	060	MA	88.47.52	bone	tube	Abri Morin			AIII		13,100–15,600 ya (AIII-AIV)
1i	088	MH	38.189.1361	bone		Laugerie					
1j	022	MAN	47.165	bone	tube	Le Mas-d'Azil	rive gauche				
1k	084	MAN	54.472 LB			Basse					
1l	042	MAN	47.186	bone		Laugerie					
1m	029, 030	MAN	47.351	reindeer antler	baton	Basse					
4	073	BM	Palart.306	reindeer (?) antler	baton	Lortet					
5	051	MAN	47.349	bone	polisher/pendant	Lortet					
6a	102	MAN	86.719	reindeer antler	baton	La Madeleine			II		14,200–18,100 ya
6b	078	MAN	47.347	bone	tube	Isturitz		grande salle			
6c	011	MAN	47.286	reindeer antler	point ( <i>demi-ronde</i> type)	Lortet					
6e	010	MAN	83.353	bone	polisher	La Vache		salle Monique	3		15,900–17,100 ya (I–4)
6f	061	MDA	989-1-106	bone		Massat					
6g	103	MNP	96-3.1	bone		Les Eyzies	grotte Richard				
6h	050	MSC	D2014.0.2.1	bone		Le Chaffaud	grotte intermédiaire				
6i, k	015, 032	MAN	46.487	bone	pendant	Le Mas-d'Azil	rive droite				
6j	104	MAN	51.451	bone		Aurensan					
7	014	MAN	47.025	reindeer antler	spear-thrower	Le Mas-d'Azil	rive droite (?)				
9	105	LMA	12571	reindeer antler	point	Lacave	grotte de Jourdas				
10a,b	045, 106	BM	Palart.508	bone		Bruniquel	grotte du Courbet				
10c	019	MAN	47.308	bone		Gourdan					
10d	023	MAN	47.300	bone		Gourdan					
10e	020	MAN	48.692	bone		Brasempouy	grotte du Pape	grande galerie			
10f	017	MAN	48.119	bone		Le Mas-d'Azil	rive droite				
11a	150	MAAAP	Pr.F.875	reindeer antler	point	Raymonden					
11b	128	MAH	8506	reindeer antler	baton	Kesslerloch					
11c	125	MAN	47.361	bone	polisher/pendant	Mas-d'Azil					
11d	126	MAN	47.098	bone	polisher	Arudy	grotte d'Espalungue				14,300–17,500 ya
11e	127	MAN	52.416	red deer antler	baton	Teyjat	abri Mége				
11f	124	MAN	47.036	bone	compressor (?)	Gourdan					

**TABLE 4. MAGDALENIAN SEASONAL IMAGES.**

RECURRENT SUBJECT/SERIES	DEFINITION	REFERENCES	BIOLOGICAL SEASON	SYMBOLIC MEANING
Belling red deer	An adult red deer male (stag) in the act of belling. This behavior is also known as bellowing, bugling, or roaring.	Marshack (1972)	red deer mating season	early to mid-fall
Low stretching ibex	An adult Pyrenean, or possibly Alpine, ibex male (bull) in a low stretch display, with or without a flicking tongue.	Rätzel (1965)	ibex mating season	late fall to mid-winter
Pyrenean ibex in winter coat ( <i>winter ibex</i> )	An adult Pyrenean ibex male (bull) in its characteristic winter coat.	Castelli (2010)	cold season	fall and winter
Wild horses in winter coat ( <i>winter horses</i> )	A wild horse with a fully grown winter coat.	Schmid (1973; 1984)	cold season	fall and winter
Wild horses in summer coat ( <i>summer horses</i> )	A wild horse with short coat hair as can be inferred by visible anatomic details, if not directly indicated.	Schmid (1973; 1984)	warm season	spring and summer
Bison with display hair	An adult steppe bison male (bull) with partially or fully developed display hair.	Guthrie (1984) this study	bison mating season	late summer
Low stretching and scenting/seeking reindeer	A collection of closely related subjects showing an adult reindeer male (bull) in a low stretch display, scenting a female, or following a trail.	Rätzel (1964); Nougier and Robert (1974); various sources (see notes)	reindeer mating season	early to mid-fall

The definitions listed here were not taken from the sources referenced but compiled as part of this project. Images of belling red deer stags (*cerfs bramants*) have been known for a long time but it was Marshack (1972) who drew attention to their frequency and possible significance. Images of horses in a winter coat were likely recognized before but it was Schmid (1973, 1984) who drew attention to this series and coined the highly effective terms *winter/horses* and *summer horses*. Only briefly mentioned by Guthrie (1984), the bison with display hair series was first described and documented in the present study. Like low stretching ibex, the low stretching reindeer subject was unrecognized until first described by Rätzel (1964) and remained essentially unknown until recently. The female scenting behavior was first recognized by Nougier and Robert (1974) when describing a series of reindeer image associations first mentioned by Breuil. The reindeer following a trail was first mentioned in early sources and later described more in detail by a few German language authors including Bandt (1968, 1968-69; et al. 1984).