

Fierce lions, angry mice and fat-tailed sheep

Animal encounters in the ancient Near East

Edited by Laerke Recht & Christina Tsouparopoulou



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with contributions from

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ABL	Harper, R.F., 1892–1914. Assyrian and Babylonian Letters Belonging to the Kouyunjik Collection of the British Museum, 14 volumes. Chicago: University	ARM 30	Durand, JM., 2009. La nomenclature des habits et des textiles dans les textes de Mari. (Archives royales de Mari 30.) Paris: Lib. Paul Geuthner.
AHw	of Chicago Press. von Soden, W., 1959-1981. Akkadisches Handwörterbuch. Wiesbaden.	AUCT 1	Sigrist, M., 1984. <i>Neo-Sumerian Account Texts in the Horn Archaeological Museum.</i> (Andrews University Cuneiform Texts 1.) Berrien Springs:
AKA I	Wallis Budge, E.A. & L.W. King, 1902. Annals	D 134 1	Andrews University Press.
	of the Kings of Assyria: The Cuneiform Texts with Translations and Transliterations from the Original Documents in the British Museum. Vol. I. London:	BabMed	Babylonian Medicine online [no year]: 'Corpora', https://www.geschkult.fu-berlin.de/e/babmed/Corpora/index.html
	The Trustees of the British Museum.	BAM	Köcher, F., 1963–1980. <i>Die babylonisch-assyrische</i>
AMT	Campbell Thompson, R., 1923. <i>Assyrian Medical Texts</i> . Milford, Oxford: Oxford University Press.		<i>Medizin in Texten und Untersuchungen,</i> 6 Vols. Berlin: De Gruyter.
AnOr 8	Pohl, A., 1933. Neubabylonische Rechtsurkunden	BCT 1	Watson, P.J., 1986. Neo-Sumerian Texts from
	aus den Berliner staatlichen Museen. (Analecta Orientalia 8.) Rome: Pontificium Institutum Biblicum.		Drehem. (Catalogue of Cuneiform Tablets in Birmingham City Museum I.) Warminster: Aris & Phillips.
AO	Siglum of objects in the Louvre Museum, Paris	BIN 1	Keiser, C.E., 1917. <i>Letters and Contracts from Erech</i>
	(Archéologie Orientale).		Written in the Neo-Babylonian Period. (Babylonian
ARM 2	Jean, ChF., 1950. <i>Lettres diverses</i> . (Archives royales de Mari 2.) Paris: Lib. Paul Geuthner.		Inscriptions in the Collection of James B. Nies, vol. 1.) New Haven: Yale University Press.
ARM 9	Birot, M., 1958. Textes administratifs de la Salle	BIN 3	Keiser, C.E., 1971. Neo-Sumerian Account Texts
	5 du Palais. (Archives royales de Mari 9.) Paris:		from Drehem. (Babylonian Inscriptions in the
A DD # 40	Lib. Paul Geuthner.		Collection of B.J. Nies, vol. 3.) New Haven: Yale
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ARM 14	Birot, M., 1974. Lettres de Yaqqim-Addu, gouverneur	BPOA	Biblioteca del Proximo Oriente Antiguo (Madrid:
	de Sagarâtum. (Archives royales de Mari 14.) Paris: Lib. Paul Geuthner.		Consejo Superior de Investigaciones Científicas, 2006ff.)
ARM 15	Bottero, J. & A. Finet, 1954. Repertoire analytique	BPOA 6	Sigrist, M., & T. Ozaki, 2009a. Neo-Sumerian
	des tomes I à V. (Archives royales de Mari 15.) Paris: Lib. Paul Geuthner.		Administrative Tablets from the Yale Babylonian Collection. Part One (Biblioteca del Próximo
ARM 26	Durand, JM. et al., 1988. Archives épistolaires de		Oriente Antiguo 6.) Madrid: Consejo Superior
	Mari. (Archives royales de Mari 26.) Paris: Lib.		de Investigaciones Científicas.
	Paul Geuthner.	BPOA 7	Sigrist, M., & T. Ozaki, 2009b. Neo-Sumerian
ARM 27	Birot, M., 1993. Correspondance des gouverneurs de		Administrative Tablets from the Yale Babylonian
	<i>Qaṭṭunân</i> . (Archives royales de Mari 27.) Paris: Lib. Paul Geuthner.		Collection. Part Two (Biblioteca del Próximo Oriente Antiguo 7.) Madrid: Consejo Superior
ARM 28	Kupper, JR., 1998. <i>Lettres royales du temps de</i>		de Investigaciones Científicas.
	Zimri-Lim. (Archives royales de Mari 28.) Paris:	BRM 1	Clay, A.T., 1912. Babylonian Business Transactions
	Lib. Paul Geuthner.		of the First Millennium B.C. (Babylonian Records

	in the Library of J. Pierpont Morgan, Part 1.) New York: Privately printed.	HSS 14	Lacheman, E.R., 1950. Excavations at Nuzi V. Miscellaneous Texts from Nuzi, Part 2, The Palace
CAD	The Assyrian Dictionary of the Oriental Institute of the University of Chicago. Chicago: The Oriental	HW ²	and Temple Archives. (Harvard Semitic Studies14.) Cambridge (Mass.): Harvard Univ. Press.
CBS	Institute, 1956–2010. Siglum for objects in the University Museum in Philadelphia (Catalogue of the Babylonian	1144-	Friedrich, J. & A. Kammenhuber (eds.), 1975–. Hethitisches Wörterbuch. Zweite, völlig neubearbeitete Auflage auf der Grundlage der edierten
CDLI	Section). Cuneiform Digital Library Initiative, https://cdli. ucla.edu	IB IM	hethitischen Texte. Heidelberg: Winter. Siglum for finds from Isin (Isan Bahriyat). Siglum for objects in the Iraq Museum, Baghdad.
CHD	Goedegebuure, P.M., H.G. Güterbock, H.A. Hoffner & T.P.J. van den Hout (eds.), 1980–. <i>The Hittite Dictionary of the Oriental Institute of</i>	ITT 5	de Genouillac, H., 1921. Inventaire des Tablettes de Tello conservées au Musée Imperial Ottoman. Tome V. Époque présargonique, Époque d'Agadé, Epoque
	the University of Chicago. Chicago: The Oriental Institute.	KAH 2	d'Ur III. Paris: Édition Ernest Leroux. Schroeder, O. 1922. <i>Keilschrifttexte aus Assur</i>
CM 26	Sharlach, T.M., 2004. <i>Provincial Taxation and the Ur III State</i> . (Cuneiform Monographs 26.) Leiden: Brill.		historischen Inhalts, Heft II. (Wissenschaftliche Veroffentlichungen der Deutschen Orient- Gesellschaft 37.) Leipzig: J.C. Hinrichs'sche
CT 22	Campbell Thompson, R., 1906. Cuneiform Texts from Babylonian Tablets in British Museum, vol.	KBo	Buchhandlung. <i>Keilschrifttexte aus Boghazköi</i> (Bd. 1-22 in Wissen-
CT 32	22. London: British Museum. King, L.W., 1912. <i>Cuneiform Texts from Babylonian</i> <i>Tablets in British Museum</i> , vol. 32. London: British	KRI	schaftliche Veroffentlichungen der Deutschen Orient-Gesellschaft) Leipzig/Berlin, 1916 ff. Kitchen, K.A., 1969–1990. <i>Ramesside Inscrip-</i>
CT 55	Museum. Pinches, T.G. 1982. Cuneiform Texts from Baby-	Rid	tions. Historical and Biographical, 8 vols. Oxford: Blackwell.
C1 00	lonian Tablets in the British Museum Part 55. Neo-Babylonian and Achaemenid Economic Texts. London: British Museum Publications.	KUB LAPO 16	Keilschrifturkunden aus Boghazköi, Berlin 1921 ff. Durand, JM., 1997. Les Documents épistolaires du palais de Mari, tome I. (Littératures anciennes du
CTH	Laroche, E. 1971. Catalogue des Textes Hittites. Paris: Klincksieck.	LAPO 18	Proche-Orient 16.) Paris: Éditions du cerf. Durand, JM., 2000. Les Documents épistolaires du
DAS	Lafont, B., 1985. Documents Administratifs Sumériens, provenant du site de Tello et conservés au	L/11 O 10	palais de Mari, tome III. (Littératures anciennes du Proche-Orient 18.) Paris: Éditions du cerf.
	<i>Musée du Louvre</i> . Paris: Editions Recherche sur les Civilisations.	LD	Lepsius, C.R., 1849–59. <i>Denkmäler aus Aegypten und Aethiopen</i> (plates), 6 vols. Berlin: Nicolaische
DMMA	Siglum for objects in the Département des Mon- naies, médailles et antiques de la Bibliothèque	LKU	Buchhandlung. Falkenstein, A., 1931. Literarische Keilschrifttexte
DUL	nationale de France. Del Olmo Lete, G. & J. Sanmartín, 2015. <i>A Dic</i> -		aus Uruk. Berlin: Berlin Staatliche Museen zu Berlin Vorderasiatische Abteilung.
	tionary of the Ugaritic Language in the Alphabetic Tradition. Translated and edited by W.G.E. Wat-	M Moore, Mi	Siglum for texts from Mari. ch. Coll.
EA	son. Third revised edition. 2 vols. (Handbuch der Orientalistik 112.) Leiden: Brill. Siglum for the Tell El-Amarna Letters, follow-		Moore, E., 1939. <i>Neo-Babylonian Documents in the University of Michigan Collection</i> . Ann Arbor: University of Michigan Press.
El I	ing the edition of Knudtzon, J. A., 1915. <i>Die El-Amarna-Tafeln</i> . Leipzig: J.C. Hinrichs'sche	MSL VIII/I	Landsberger, B., 1960. The Fauna of Ancient Mesopotamia. First Part: Tablet XIII. (Materialien zum
ePSD	Buchhandlung. Electronic version of <i>The Pennsylvania Sumerian</i> Dictionary, http://psd.museum.upenn.edu		Sumerischen Lexikon VIII/1.) Rome: Pontificium Institutum Biblicum. [with the assistance of A. Draffkorn Kilmer & E.I. Gordon].
ETCSL	Black, J.A., G. Cunningham, J. Ebeling, E. Flückiger-Hawker, E. Robson, J. Taylor & G. Zólyomi (eds.), 1998–2006. <i>The Electronic Text Corpus of Sumerian Literature</i> . Oxford, http://etcsl.orinst.	MVN 8	Calvot, D., G. Pettinato, S.A. Picchioni & F. Reschid, 1979. Textes économiques du Selluš-Dagan du Musée du Louvre et du College de France (D. Calvot). Testi economici dell'Iraq Museum Baghdad.
EM 2	ox.ac.uk/		(Materiali per il Vocabolario Neosumerico 8.)
FM 2	Charpin, D. & JM. Durand (ed.), 1994. Recueil d'études à la mémoire de Maurice Birot. (Florilegium Marianum II.) Paris: Société pour l'étude du	MVN 11	Rome: Multigrafica Editrice. Owen, D.I., 1982. Selected Ur III Texts from the Harvard Semitic Museum. (Materiali per il Vocabolario
Hh	Proche-Orient ancien. The Series HAR-ra='hubullu', Materials for the Sumerian lexicon (MSL), 5, 6, 7, 9, 10 & 11. Rome: Pontificium Institutum Biblicum, 1957–.	MZ NBC	Neosumerico 11.) Rome: Multigrafica Editrice. Siglum for finds from Tell Mozan. Siglum for tablets in the Nies Babylonian Collection of the Yale Babylonian Collection.

NCBT	Siglum for tablets in the Newell Collection of Babylonian Tablets, now Yale University, New Haven.	SAA 11	Fales, F.M. & J.N. Postgate, 1995. <i>Imperial Administrative Records, Part II: Provincial and Military Administration</i> . (State Archives of Assyria 11.)
OIP 99			
OII 99	Biggs, R.D., 1974. Inscriptions from Tell Abu	C A A 10	Helsinki: Helsinki University Press.
	Salabikh. (Oriental Institute Publications 99.)	SAA 12	Kataja, K. & R. Whiting, 1995. Grants, Decrees and
	Chicago: The University of Chicago Press.		Gifts of the Neo-Assyrian Period. (State Archives of
OIP 115	Hilgert, M., 1998. Cuneiform Texts from the Ur		Assyria 12.) Helsinki: Helsinki University Press.
	III Period in the Oriental Institute, Vol. 1: Drehem	SAA 13	Cole, S.W. & P. Machinist, 1998. Letters from
	Administrative Documents from the Reign of Sulgi.		Assyrian and Babylonian Priests to Kings Esarhad-
	(Oriental Institute Publications 115.) Chicago:		don and Assurbanipal. (State Archives of Assyria
	The Oriental Institute.		13.) Helsinki: Helsinki University Press.
OIP 121	Hilgert, M., 1998. Cuneiform Texts from the Ur	SAA 17	Dietrich, M., 2003. The Neo-Babylonian Correspond-
	III Period in the Oriental Institute, Volume 2: Dre-		ence of Sargon and Sennacherib. (State Archives of
	hem Administrative Documents from the Reign of		Assyria 17.) Helsinki: Helsinki University Press.
	Amar-Suena. (Oriental Institute Publications 121.)	SAA 19	Luukko, M. 2012. The Correspondence of Tiglath-
	Chicago: The Oriental Institute.	011111	pileser III and Sargon II. (State Archives of Assyria
P	CDLI (Cuneiform Digital Library Initiative)		19.) Helsinki: The Neo-Assyrian Text Corpus
1			
DDT 1	number.	C A A 20	Project.
PDT 1	Çig, M., H. Kizilyay & A. Salonen, 1956. Die	SAA 20	Parpola, S. 2017. Assyrian Royal Rituals and Cultic
	Puzris-Dagan-Texte der Istanbuler Archäologis-		Texts. (State Archives of Assyria 20.) Helsinki:
	chen Museen Teil 1: Texts Nrr. 1-725. (Academia		The Neo-Assyrian Text Corpus Project.
	Scientiarum Fennica Annales, série B, tome	SAT 2	Sigrist, M., 2000. Sumerian Archival Texts. Texts
	92.) Helsinki: Academia Scientiarum Fennica.		from the Yale Babylonian Collection 2. Bethesda:
PKG 18	Orthmann, W., 1985. Der alte Orient. (Propyläen		CDL Press.
	Kunstgeschichte 18.) Berlin: Propyläen Verlag.	SF	Deimel, A., 1923. Schultexte aus Fara. (Wissen-
PTS	Siglum for unpublished texts in the Princeton		schaftliche Veröffentlichung der Deutschen
	Theological Seminary.		Orientgesellschaft 43.) Leipzig: J.C. Hinrichs'sche
RGTC	Répertoire géographique des textes cunéiformes.		Buchhandlung.
	(Beihefte zum Tübinger Atlas des Vorderen	SP	Alster, B., 1997. Proverbs of Ancient Sumer.
	Orients, Reihe B.) Wiesbaden: Reichert, 1974		Bethesda: CDL Press.
RIMA 2	Grayson, A.K., 1991. Assyrian Rulers of the Early	TCL 12	Conteneau, G., 1927. Contrats Néo-Babyloniens I,
	First Millennium BC I (1114-859 BC). (The Royal		de Téglath-Phalasar III à Nabonide. (Textes cunéi-
	Inscriptions of Mesopotamia, Assyrian Periods		formes, Musées du Louvre 12.) Paris: P. Geuthner.
	Vol. 2.) Toronto, Buffalo & London: University	TCL 13	Contenau, G., 1929. Contrats néo-babyloniens II.
	of Toronto Press.		Achéménides et Séleucides. (Textes cunéiformes,
RIME 1	Frayne, D., 2008. Presargonic Period (2700–2350 BC).		Musées du Louvre 13.) Paris: P. Geuthner.
	(The Royal Inscriptions of Mesopotamia, Early	TRU	Legrain, L., 1912. Le temps des rois d'Ur: recherches
	Periods Vol. 1.) Toronto: University of Toronto		sur la société antique d'après des textes nouveaux.
	Press.		(Bibliothèque de l'École des Hautes Études 199.)
RIME 4	Frayne, D., 1990. Old Babylonian Period (2003–		Paris: H. Champion.
1111112	1595 BC). (The Royal Inscriptions of Mesopotamia,	TU	Thureau-Dangin, F., 1922. Tablettes d'Uruk à
	Early Periods Vol. 4.) Toronto: University of	10	l'usage des prêtres du Temple d'Anu au temps des
	Toronto Press.		Séleucides. (Musée du Louvre. Département des
RINAP	The Royal Inscriptions of the Neo-Assyrian		antiquités orientales. Textes cunéiformes.) Paris:
TGI VI II	Period; Open Richly Annotated Cuneiform		P. Geuthner.
	Corpus, available at http://oracc.museum.upenn.	U.	Siglum for finds from Ur.
	edu/rinap/index.html	UCP 9/1,I	Lutz, H.F., 1927. Neo-Babylonian Administrative
RLA	Reallexikon der Assyriologie und vorderasiatischen	0 (1)/1/1	Documents from Erech: Part I. (University of Cali-
TCL2 Y	Archaologie.		fornia Publications in Semitic Philology Vol. 9
RS	Siglum for documents from Ras Shamra (Ugarit).		no. 1/I.) Berkeley (CA): University of California
SAA 2	Parpola, S. & K. Watanabe, 1988. Neo-Assyrian		Press.
JAA 2	Treaties and Loyalty Oaths. (State Archives of	UCP 9/1,II	
	Assyria 2.) Helsinki: Helsinki University Press.	OCI 7/1,11	Documents from Erech: Part II. (University of
SAA 7	Fales, F.M. & J.N. Postgate, 1992. <i>Imperial</i>		California Publications in Semitic Philology Vol.
01111	Administrative Records, Part I: Palace and Temple		9 no. 1/II.) Berkeley (CA): University of California
	Administration. (State Archives of Assyria 7.)		Press.
	Helsinki: Helsinki University Press.	UDT	Nies, J.B., 1920. <i>Ur Dynasty Tablets: Texts Chiefly</i>
SAA 10	Parpola, S. 1993. Letters from Assyrian and Baby-	01	from Tello and Drehem Written during the Reigns
<i>5</i> AA 10	lonian Scholars. (State Archives of Assyria 10.)		
			of Dungi, Bur-Sin, Gimil-Sin and Ibi-Sin. Leipzig:
	Helsinki: Helsinki University Press.		J.C. Hinrichs'sche Buchhandlung.

Abbreviations and sigla

VA	Siglum for objects in the Vorderasiatisches		et d'Histoire in Genf. Naples: Istituto orientale di
	Museum, Berlin (Vorderasiatische Abteilung).		Napoli.
VAT	Siglum for objects/tablets in the Vorderasiatisches	YBC	Siglum for tablets in the Yale Babylonian
	Museum, Berlin (Vorderasiatische Abteilung.		Collection.
	Tontafeln).	YOS 7	Tremayne, A., 1925. Records from Erech, Time of
VS 1	Ungnad, A. & L. Messerschmidt, 1907. Vordera-		Cyrus and Cambyses (538-521 B.C.). (Yale Oriental
	siatische Schriftdenkmäler der Königlichen Museen		Series, Babylonian Texts, vol. 7.) New Haven:
	zu Berlin. Vol. 1, Texts 1–115, Königliche		Yale University Press.
	Museen zu Berlin. Sammlung der Vorderasi-	YOS 8	Faust, D.E., 1941. Contracts from Larsa, dated in the
	atischen Altertümer. Leipzig: J.C. Hinrichs'sche	1000	Reign of Rim-Sin. (Yale Oriental Series, Babylo-
	Buchhandlung.		nian Texts, vol. 8.) New Haven: Yale University
VS 16	Schröder, O., 1917. Altbabylonische Briefe.		Press & London: H. Milford, Oxford University
V 5 10	(Vorderasiatische Schriftdenkmäler der		Press.
	königlichen Museen zu Berlin 16.) Leipzig: J.C.	YOS 11	van Dijk, J., A. Goetze & M.I. Hussey, 1985.
	Hinrichs'sche Buchhandlung.	10511	Early Mesopotamian Incantations and Rituals. (Yale
VS 17			
V 5 17	van Dijk, J. 1971. Nicht-kanonische Beschwörungen		Oriental Series, Babylonian Texts, vol. 11.) New
	und sonstige literarische Texte. (Vorderasiatische	VOC 17	Haven: Yale University Press.
	Schriftdenkmäler der Königlichen Museen zu	YOS 17	Weisberg, D.B., 1980. Texts from the Time of
	Berlin 17.) Berlin: Akademie Verlag.		Nebuchadnezzar. (Yale Oriental Series, Babylonian
WB	Erman, A. & H. Grapow (eds.), 1971. Wörterbuch		Texts, vol. 17.) New Haven: Yale University Press.
	der ägyptischen Sprache, 5 vols. Berlin: Akademie	YOS 19	Beaulieu, PA., 2000. Legal and Administrative
	Verlag.		Texts from the Reign of Nabonidus. (Yale Oriental
WMAH	Sauren, H., 1969. Wirtschaftsurkunden aus der Zeit		Series, Babylonian Texts, vol. 19.) New Haven:
	der III. Dynastie von Ur im Besitz des Musée d'Art		Yale University Press.

Preface

Augusta McMahon

The chapters in this volume invert traditional approaches to past human-animal relationships, placing animals at the forefront of these interactions and celebrating the many ways in which animals enriched or complicated the lives of the inhabitants of the ancient Near East. The authors embrace insights from text, archaeology, art and landscape studies. The volume offers rich evidence for the concept that 'animals are good to think' (Levi-Strauss 1963), enabling humans in categorizing the world around us, evaluating our own behaviours, and providing analogies for supernatural powers that are beyond humans' control. However, totemism has never fit the ancient Near East well, because most animals had varied and endlessly complicated relationships with their human associates, as these chapters vividly describe. Taboos on eating or handling animals ebbed and flowed, and the same animal could have both positive and negative associations in omen texts. Animals were good (or bad) to eat, good (or bad) to think, good (or bad) to live with (Kirksey & Helmreich 2010) and good (or bad) to be. Through detailed, theoretically informed and well-supported case studies, this volume moves the study of humananimal-environment interactions forward, presenting animals as embedded actors in culture rather than simply objectified as human resources or symbols.

The chapters in the first section emphasize the agency of animals via their abilities to resolve crises for humans and deities and to shift between animal and human worlds. Animals have paradoxical affects: as metaphors for wilderness and chaos, or as valued companions, helpers, or votive sacrifices. The variety of interactions and assumptions cautions us to treat animals, as we do humans, as individuals. Reconstruction of animals in past rituals has a long history, usually focused on animals associated with the gods and/or animals used in formal religious sacrifice. But the chapters in the second section also examine

the impact of lesser-known animals and less formal encounters, e.g., in the landscape or in funeral contexts within the home. The value and meanings of animals could vary with context.

The fascination engendered by hybrid or composite figures is also well represented. The persistence of composite figures in the Near East, from fourth millennium BC human-ibex 'shamans' on northern Mesopotamian Late Chalcolithic seals to *lamassu* and *mušhuššu* of the first millennium BC, suggests that the division and recombination of animal body elements fulfilled a human need to categorize powerful forces and create a cosmological structure. The anthropomorphizing of animals is another facet of the flexibility of animal identifications in the past. The authors here also grapple with the question of whether composite images represent ideas or costumed ritual participants.

The chapters also cover the most basic of animalhuman relations, that of herd management, use in labour, and consumption, digging deeply into details of mobility, breeding and emic classifications. Economic aspects of the human-animal relationship are currently being rejuvenated through archaeological science techniques (e.g., isotopes, ZooMS), which give us unparalleled levels of detail on diet, mobility, herd management, and species. Matching these insights from science, the issues raised here include the value of individual animals versus that assigned to species, the challenges of pests, the status ascribed to and reflected by different meat cuts, animals as status and religious symbols, and animals' tertiary products or uses (e.g., transport versus traction, bile). These studies allow a more detailed reconstruction of Near Eastern economy and society, as well as emphasizing the flexibility of the relationships between animals, as well as between human and animal.

The authors implicitly advocate for a posthumanist multispecies ethnography, which incorporates

nonhumans and argues for equal care to be given to nonhumans in the realms of shared landscapes, violence, labour and especially ecology (Kirksey & Helmreich 2010; Kopnina 2017; Parathian et al. 2018). This approach advocates for nonhumans' agency in creating shared worlds, in contrast to the traditional approach to animals as symbols or resources in the service of humans. Going forward, the challenge will be to convert the acknowledgement of equal cultural contribution into support for nonhuman species to speak for themselves; this shift from passive subject of research inquiry to genuine active agency in academic writing does not have an easy or obvious path, and many nonhuman animals may be overlooked. Indeed, multispecies ethnography ideally seeks to incorporate plants, microbes, stones and more (Ogden et al. 2013; Smart 2014), many of which are ephemeral in the archaeological record and all but omitted in ancient texts. However, ancient texts do support a new approach which questions our modern boundaries between species. Our perpetual struggle to translate terms for different species of equids, to distinguish whether a word refers to rats or mice, or to link zooarchaeological remains to lexical lists, reinforces the complexity and flexibility of these concepts, and the futility of attempts at absolute categorization.

The chapters in this volume should inspire colleagues to grapple with animals, nonhumans and contexts that could not be included here. For instance, the snake has as lengthy a history of human engagement in the Near East as does the lion and had similarly unusual powers. While the lion was an icon of strength, the perfect symbol for the proximity of the emotions of awe and fear, the snake has the sneaky ability to slither

between worlds, to avoid capture, and to deliver an almost imperceptible lethal injury. Fear of the snake conquers awe. Like the fox, the presence or actions of the snake, as listed in Šumma ālu, may be positive or negative omens. The snake was present at key moments in both Mesopotamian and Biblical literature; its actions (stealing the plant of immortality, offering the fruit of the tree of knowledge) changed the fate of humans forever. Whether represented coiled and copulating on Late Chalcolithic seals, grasped by Late Uruk 'Masters of Animals' or first millennium BC lamaštu, snakes and their paradoxical nature deserve deep scrutiny. There are many other nonhuman animals deserving of similar problematization and integration, and the eclectic and exciting research stream represented by this volume shows us the way.

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Chapter 6

The dogs of the healing goddess Gula in the archaeological and textual record of ancient Mesopotamia

Seraina Nett

This chapter discusses the role of the dogs in the cult of the Mesopotamian healing goddess Gula in a diachronic perspective, drawing upon both archaeological and textual evidence. The cult of the goddess Gula is attested at least from the late third millennium (Ur III period) up to the first millennium BC (Böck 2014, 9-10) and her connection with dogs is well established in the textual and archaeological record from ancient Mesopotamia (see e.g. Seidl 1971, Fuhr 1977, Ornan 2004, Collon 2009, Bonatz 2010, Tsouparopoulou 2020). Iconographically, she is often depicted with dogs reclining at her feet or symbolically represented as a dog. Inscribed and uninscribed dog figurines and dog burials have been discovered in and around her temple in Isin and there is ample evidence that her temple complex at that site (and possibly also elsewhere) housed a kennel of dogs. In what follows, I will discuss the evidence from Mesopotamian art and archaeology in a diachronic perspective, and contextualize the results in light of a group of Ur III-period administrative documents that suggest that packs of dogs were present in or around the healing goddess' temple as early as the third millennium BC.

In the earliest textual record, the Mesopotamian healing goddess that is the subject of this chapter is known by many names and it is only at the very end of the third millennium that these regionally distinct deities (such as Gula and Ninisina, but also Nintinugga, Baba and Ninkarrak) begin to merge into one overarching healing goddess under the names Gula and Ninisina, the lady of Isin. However, already in the third millennium, these names were on occasion used interchangeably, indicating a certain degree of syncretism, although these separate deities were still provided with their individual local cult. For example, the cultic travel of Nintinugga to Isin and of Ninisina to Nippur and the relationship between these goddesses is discussed by Sallaberger (1993, 152–4; see also the

discussion of the degree of syncretism in the Ur III period in Tsouparopoulou 2020, 14–17).

The main cult locations for the many incarnations of the healing goddess differ according to the time period in question. While during the rule of the Third Dynasty of Ur (2112–2004 BC), her most important cult location was Umma (under the name Gula), we also have evidence for her cult in several other places, such as Isin for Ninisina (with the Egalmah as her main sanctuary), Lagaš for Baba, and Nippur for Nintinugga. Ninkarrak seems to have originated in Northern Mesopotamia (for an overview of the names and the cult of the healing goddesses, see Böck 2014, 9–14).

Unsurprisingly, the cult of the healing goddess as Ninisina, the lady of Isin, and related deities witnessed a marked increase in importance during the reign of the first dynasty of Isin at the beginning of the second millennium. The healing goddess remained an important deity from the middle of the second millennium onwards: she is from that period onwards most often referred to by the name Gula, except for inscriptions from Isin where the name Ninisina continues to be used at least during the Middle Babylonian period, either independently (e.g. in Walker 1978, 102 IB 940) or as an epithet of Gula (e.g in Walker 1978, 103 IB 942–4).

The dogs of Gula in Mesopotamian art

The close association of Gula with dogs has been well documented in Mesopotamian art for a long time and ample evidence is available throughout Mesopotamian history. The earliest clear examples that are backed up by epigraphic evidence stem from the Old Babylonian period, with a variety of cylinder seals and inscribed dog statues (Bonatz 2010), such as an early Old Babylonian dedicatory inscription to Ninisina for the life of king Sumu-El on a dog-shaped figurine, excavated at



Figure 6.1. *Middle Babylonian* kudurru *showing the dog as a symbol for the goddess Gula. BM 102485.* © *The Trustees of the British Museum. Licensed under CC BY-NC-SA 4.0.*

Telloh (RIME 4.2.7.2001). Furthermore, the connection of Gula with dogs is also well attested in later periods, ranging from the depiction of Gula symbolized by a dog on a number of *kudurrus*, sometimes accompanied by an explanatory inscription (Fig. 6.1), to the ample representations of Gula seated on a throne with a dog at her feet depicted on a range of cylinder and stamp seals from the Neo-Assyrian and Neo-Babylonian periods (Figs. 6.2–6.3; see Collon 2009 for an overview of the Middle Babylonian and Neo-Assyrian evidence).

The association of Gula with dogs in art may even date back to the third millennium, but the examples are far from frequent and unclear in their identification and interpretation. Dogs are not uncommon in the art of the third millennium, but do occur predominantly on cylinder seals, especially during the Akkadian period, in a group of seals often associated with the Etana-myth or in scenes depicting ploughing or hunting (e.g. Collon 1982, Nos. 80, 151, 152, 155). Thus, as of now, no examples of a clear association of Gula with dogs are known from Mesopotamian art prior to the Old Babylonian period.

Dogs in Mesopotamian art after the Old Babylonian period mostly belong to two types: tall, slim greyhound-type dogs or heavy mastiff-types. The dogs associated with Gula in Mesopotamian art generally belong to the second type, and, from the second millennium onwards, the dogs of Gula are depicted relatively uniformly with pointed ears and snout and a curled tail (such as the dogs on the seals in Figs. 6.2–6.3), reminiscent of breeds such as the so-called 'Canaan Dog'.

It is unclear to what extent we should consider the dogs of Gula divine beings in their own right, but at least in some examples in the textual evidence, the dogs of Gula are written with the divine determinative.¹

Beyond the representations in art, Gula is also associated with dogs in various rituals and incantations. The relevant evidence and, in particular, the evidence for the duality between Gula and Lamaštu in the context of the use and symbolism of dogs has been comprehensively discussed by Böck (2014, 40–4) who suggests that the suckling puppies held at the temple of Gula could have been used to help save babies from the destructive power of Lamaštu.

The Isin dog cemetery

The evidence for the association of Gula with dogs in Mesopotamian art is further supported by the finds from archaeological excavations at a variety of sites associated with the cult of the healing goddess.

We know a few of the locations where Gula was worshipped: around 40 names of temples and sanctuaries for Gula, Ninisina, Ninkarrak and other healing goddesses have been listed by George (1993). However, only her sanctuaries at Isin (Hrouda 1977a; 1981; 1987; 1992) and Nippur (Gibson 1993) have been excavated, alongside the temple of Ninkarrak at Terqa (Liggett 1982). Both the Isin and Nippur temples have yielded a number of terracotta dog figurines, some of which also bear votive inscriptions, and the Terqa temple was identified as a temple of the goddess Ninkarrak based on fragments of inscriptions and a bronze votive statue of a dog.

The small Kassite-period temple complex at Nippur was identified by the excavators as a temple of Gula based on a dedicatory inscription, as well as a number of dog figurines and small statues of human 'sufferers' holding on to various body parts (Gibson 1993, 14, figs. 11–12). The Nippur Gula temple yielded, as far as is known to me, no evidence for the presence of packs of dogs at the site.

Gula's (or rather Ninisina's) main sanctuary at Isin, the Egalmah, has also been at least partially excavated. The original structure seems to date back to at





Figure 6.2. Neo-Assyrian cylinder seal. Gula seated on a throne with a dog at her feet (left). BM 129538. © The Trustees of the British Museum. Licensed under CC BY-NC-SA 4.0.

least the Middle Babylonian period, as evidenced by inscribed bricks bearing the name of king Kurigalzu I (died c. 1373 BC), but is possibly based on an Old Babylonian predecessor. A platform or ramp with a length of 32 m, renovated during the reign of Adad-apla-iddina



Figure 6.3. Impression of a Late Babylonian stamp seal, Gula seated on her throne with a dog at her feet. BM 89880. © The Trustees of the British Museum. Licensed under CC BY-NC-SA 4.0.

of the second dynasty of Isin (1067–1046 BC), was excavated in area N1, with the temple of Ninisina located at its southern end. The ramp itself is thought to have formed part of the temple precinct, based on the find of a number of dog figurines. In addition to these terracotta figurines, including a female dog suckling a puppy, the excavators also recovered several small bronze plaques with images of dogs, and pierced with holes with which they could have been attached to the walls of the temple or to cultic objects or temple furnishings (Hrouda 1977b). The dogs that are depicted conform to the type that is common in Mesopotamian art from the Kassite period onwards, with pointed ears and snouts and curled tails, similar to the examples given in Figures 6.2–6.3.

Most importantly, the excavators also uncovered the skeletons of at least 33 dogs who were buried in the general area of the ramp. The excavators date the cemetery on stratigraphic grounds to the period between 1050 and 900 BC (Hrouda 1977a, 18–19). These dog burials are interesting and pertinent to the present discussion for a number of reasons, most importantly because they constitute tangible evidence that flocks of dogs were indeed housed at Gula's temple. A building inscription by Enlil-bani (RIME 4.1.10.4), mentioning his construction of the é-ur-gi₇-ra, the 'Dog House', likely located in Isin, also supports the interpretation of this building as a sacred dog kennel, associated with the main sanctuary. However, we cannot determine to what degree this building fulfilled a religious or more secular function or whether – if at all – this was the location of dogs involved in healing rituals.

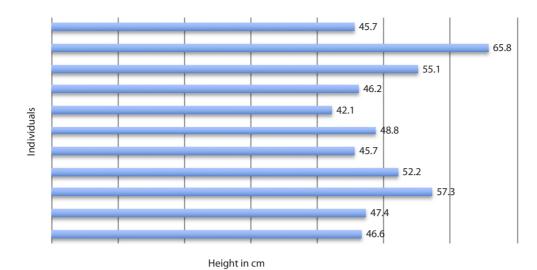


Figure 6.4. The overall height distribution of the dog skeletons from the Isin dog cemetery. Graphic by the author based on data from Boessneck 1977, 108.

The 33 dog skeletons have been subjected to a zooarchaeological study (Boessneck 1977). It is worth noting that the majority of the skeletons comprises puppies and younger individuals (15 individuals in total) and only nine of the skeletons are those of fully grown adults. The height at the withers of the adult dogs shows a large degree of variability, ranging from 45-65 cm, thus indicating mid-size to large dogs. The degree of variation in height in the dogs from the cemetery is illustrated in Figure 6.4 and while we can observe general variation in height, one outlier is noticeable, a large dog, individual No. 25, roughly the size of a German Shepherd, albeit with a sturdier build (Boessneck 1977, 101 compares this individual to the mastiffs known from Ashurbanipal's lion hunt reliefs, cf. also the illustration in Fig. 6.5).

In general, the zooarchaeologist records the size of the Isin dog skeletons as similar or slightly larger than the so-called turf or marshland dog (*canis familiaris palustris*), with a slightly sturdier build (Boessneck 1977, 101).

If we compare the dogs that were buried in the Isin dog cemetery with the depiction of dogs in Mesopotamian art during the same period and particularly to the dogs associated with Gula in Mesopotamian art, usually represented with pointy ears and snout, and a curly tail (see Figs. 6.2–6.3), the dogs from the cemetery seem to be rather stockier and more sturdily built. To what extent this difference indicates an actual difference in dog breed or just a case of artistic preference or stylization, remains to be seen.

Boessneck has also pointed out that many of the dog skeletons presented severe fractures, especially of their limbs, some of which show evidence of having healed before death. He was unable to identify a cause of death for the dogs in question, but could discover

no direct evidence that they were killed or maimed in the context of ritual and sacrifice (Boessneck 1977, 102). The prevalence of fractures has led Avalos to propose that the sacred kennel of Gula may have functioned as some kind of sanctuary for sick, injured and abused dogs (Avalos 1995, 211–12).

It is worth noting that the Isin dog cemetery remains the only animal cemetery of its kind from Mesopotamia proper. However, dog burials, possibly in a cultic context, are reasonably well-attested in other parts of the ancient Near East (for a general overview, see Wygnanska 2017). The prime example, the Ashkelon dog cemetery, much larger than the cemetery found at Isin, consists of about 1400 dogs buried there over a period of an estimated 80 years, dating to the late fifth to the early fourth century BC, about half a millennium later than the Isin dog cemetery. Again, as with the Isin cemetery, the majority of the dog skeletons are those of puppies and young dogs and no evidence for the cause of death or potential injury in the context of ritual or sacrifice has been observed. Edrey (2008) provides an overview of the explanations that have been put forward for the existence of the dog cemetery: The excavator interpreted these dogs as temple dogs, involved in healing rituals (Stager 1991). This interpretation has been accepted by other scholars such as Halpern who even postulated that the Mesopotamian Gula cult, along with the practice of dog burials, had spread to the Levant from Mesopotamia itself (Halpern 2000). However, Wapnish & Hesse (1993) maintain that there is no direct evidence for any kind of cultic function associated with the dog burials, that the age distribution aligns well with death by natural causes, and that the practice of burying the dogs had developed independently in the Levant.

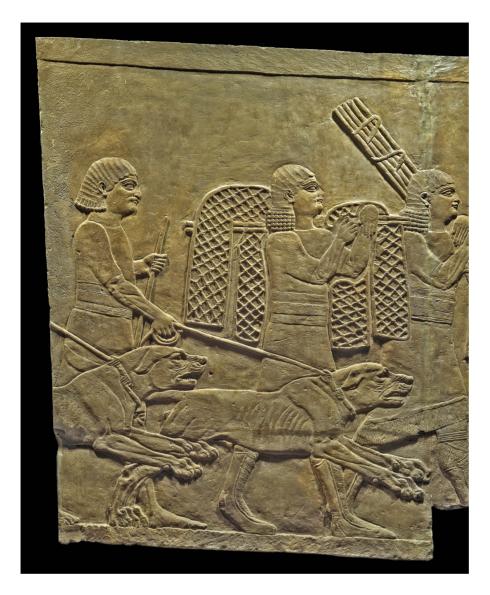


Figure 6.5. The mastiffs of Ashurbanipal. Relief from the North Palace in Nineveh. BM 124893. © The Trustees of the British Museum. Licensed under CC BY-NC-SA 4.0.

In this context, it is also worth mentioning that at Tell Mozan, ancient Urkesh, a 'cultic pit' dating to the second half of the third millennium was discovered that contained bones from at least 20 puppies and a number of other animals, mostly pigs, bovines, caprids and equids. No butchering marks could be identified on the puppy skeletons, but they were present on some of the bones from other species (Di Martino 2005, 76). Kelly-Buccellati has interpreted this pit as a Hurrian necromantic structure, the abi, known from the textual record, and surmises that this was the location of ritual slaughter in order to communicate with the gods of the Underworld or with deceased ancestors, known from later Hurrian texts (Kelly-Buccellati 2016, 99-102). However, the exact function of this pit remains unclear, and it is important to stress that it differs significantly in its layout and content from the individual graves of the Isin and Ashkelon dog cemeteries, and little

evidence for a connection with healing or healing goddesses can be found in the context of the Urkesh finds (see Recht 2014 for the use of perfumes in the Urkesh *abi* and beyond and a possible link to healing practices), and that the Urkesh pit is therefore very likely unconnected to the Mesopotamian dog cemeteries or the cult of Gula.

The dogs of Gula in Ur III documentary sources

Let us now turn to the earliest clear evidence for the association of Gula with dogs, namely, a number of Ur III period documentary texts dealing with the delivery of sheep and goats for the regular offerings (sa₂-du₁₁) of Gula as well as for her dogs (see Tsouparopoulou 2020 for an in-depth analysis of this group of texts).²

A small group of Ur III documentary texts from the Drehem archives exhibit an almost identical

structure: A number of sheep (usually 30) is listed as a regular offering for Gula, followed by usually the same number of sheep, ewes and goats with the note ba-ug₇ (killed) mu-ur-gi-šè (for the dogs). This delivery was received by an official with the title sipa ur-(gi₇)-ra, 'dog handler', the same title used by some of the dog handlers of the Ur III military 'K-9 Corps' discussed by Tsouparopoulou (2012). The combination of the receipt of dead animals together with the regular offerings as the sustenance of the goddess Gula only allows for one possible explanation: next to the live sheep as sustenance for the goddess, we see the receipt of dead sheep as sustenance for her dogs. If this interpretation is indeed correct, this is the earliest evidence for the association of Gula with dogs, as well as evidence supporting the idea that packs of dogs were indeed kept in or around the temple of Gula. It is worth noting, in this context, that at least some of the documents at hand provide the total number of sheep disbursed (e.g. BIN 3, 68; BPOA 6, 82; PDT 1, 438), making it clear that the dead sheep and goats delivered for the dogs have to be considered separate from the 30 sheep that constitute the offering to Gula herself.

This group of texts in this easily recognizable form spans a period of about 15 years, stretching from the years Šulgi 44 to Ibbi-Sîn 2. Most of the documents in question are receipts in this given formulaic structure, but we also find similar transactions that probably form part of this corpus in abbreviated form listed in summary account tablets. Apart from the uniformity of these documents, what is equally striking is the fact that in most of the texts, the transactions are listed as having taken place in Ur. As outlined above, the most important location for the cult of Gula during the reign of the Ur III dynasty was Umma, but we do have evidence for other temples of Gula, including in Ur itself where Ur-Nammu claims to have built her temple, possibly the same temple that was later rebuilt by Warad-Sin (RIME 4.2.13.2).

However, it is worth pointing out that no comparable texts have been identified in the corpus for the association with dogs or evidence for dogs being provided with rations together with Ninisina or the other healing goddesses that still should be considered distinct from Gula in the third millennium. The only available evidence, for the time being, relates to Gula.

Conclusion

Summing up, we can certainly conclude that there seems to be a very close connection between the various healing goddesses (that in the second millennium merge into the deity Gula / Ninsina) and her dogs. Already during the reign of the third dynasty of Ur,

we find evidence for packs of dogs associated with the temple of Gula, in this particular case probably the temple of Gula in Ur. Our only evidence for the following millennium stems from the increasing association of Gula with dogs in art from the Old Babylonian period onwards, until we find further evidence for dogs in connection with a religious precinct, this time in the form of the dog burials associated with the temple of Gula-Ninisina at Isin, dating about a thousand years later than the Ur III evidence. No further first-hand evidence for these packs of dogs has of yet been unearthed at the other sites where the healing goddess was venerated, such as the temple of Gula in Nippur, but considering the apparent longevity of this tradition, this would not be entirely unexpected. Whether the association with dogs was an inherent feature of the cult of all healing goddesses or whether this feature originally only belonged to one of her incarnations (in this case, based on the Ur III evidence, very likely Gula) that was taken over by the other healing goddesses that were syncretized with her in the early second millennium, cannot be answered with any certainty based on the limited evidence available. However, in the light of the Ur III evidence, we are led to wonder just how unusual the Isin dog cemetery really was or whether there would have been similar dog packs and corresponding cemeteries at other sites that were dedicated to the healing goddess.

If we attempt to discuss the function of these packs of dogs in the context of the temples we are on much less solid ground. It is impossible to answer in this context and based on the limited evidence available, to what degree these dogs formed part of the ritual aspects of Gula's temple or to what degree they may even have been connected to the healing rituals as such, for example by licking wounds of injured supplicants.

Gula's association with dogs has been discussed extensively within the realm of healing itself. Several scholars, among them Fuhr (1977, 137–9) have adduced evidence for dogs licking wounds for healing purposes. This, as Böck has pointed out, is indeed backed by some clinical evidence, but whether the ancient medical practitioners were indeed aware of this remains unknown (Böck 2014, 38). If dogs were really involved in the treatment of wounds and injuries, it still remains unclear whether their effect was considered more of a physical or spiritual nature or whether we are here dealing with substitution rituals, transferring the human ailment onto the animal, a possible explanation for the fractures observed on the bones from the Isin dog cemetery. A Neo-Assyrian cylinder seal (Teissier 1984, no. 231) depicts a dog over a hut or tent structure in which a healing ritual is performed, but it remains unclear whether the dog in this instance is a symbolic representation of Gula herself or if this indicates the presence of dogs during healing rituals. Direct evidence of dogs being used in the process of healing, at any rate, remains rare, apart from a Neo-Assyrian Omen report discussed by Avalos which involves purification by touching the dog of Gula (Avalos 1995, 208) and which, for the time being, remains unique.

It remains equally elusive where the dogs in the temple pack originated and whether they were selected according to certain criteria: were they specifically bred to be temple dogs or could they have been selected according to certain physical characteristics? Avalos' suggestion, explaining the injuries that the dogs from the Isin cemetery sustained before their death with the function of the Gula temple as an early animal shelter maybe seems too modern a concept, but whether the dogs were purposefully harmed in the course of a potential substitution ritual cannot be decided with the evidence at hand.

The Ur III documentary texts remain the only conclusive evidence for the association of the healing goddess with dogs dating to the third millennium BC. Considering the lack of evidence for an association between the other healing goddesses and dogs and the fact that the only available evidence relates to Gula, one is led to wonder whether the association with dogs was originally limited to Gula and was then – after the increasing amalgamation of the different healing goddesses at the beginning of the second millennium – transposed onto the other healing goddesses, including Ninisina.

Notes

- Some often-cited examples are YOS 8, 76: 2 and VS 16, 181: 17.
- 2 I am very grateful to Christina Tsouparopoulou for discussing the evidence with me and for sharing a preliminary version of her recent article on the topic (Tsouparopoulou 2020).
- The uniform group of texts listing deliveries of sheep for Gula and the dogs are: Boson 1939, 235.2; AUCT 1, 376; BCT 1, 74; BIN 3, 68; BPOA 6, 82 & 578; BPOA 7, 2656; MVN 8, 102; MVN 8, 132; MVN 11, 184; OIP 115, 295, 301 & 313; PDT 1, 439; TRU 330; WMAH 160. Further documents mentioning the dogs and the same officials involved in the transaction also belong to the same dossier, see Tsouparopoulou 2020, Table 1 for a complete list.

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Fierce lions, angry mice and fat-tailed sheep

Animals have always been an integral part of human existence. In the ancient Near East, this is evident in the record of excavated assemblages of faunal remains, iconography and – for the later historical periods – texts. Animals have predominantly been examined as part of consumption and economy, and while these are important aspects of society in the ancient Near East, the relationships between humans and animals were extremely varied and complex.

Domesticated animals had great impact on social, political and economic structures – for example cattle in agriculture and diet, or donkeys and horses in transport, trade and war. Fantastic mythological beasts such as lion-headed eagles or Anzu-birds in Mesopotamia or Egyptian deities such as the falcon-headed god Horus were part of religious beliefs and myths, while exotic creatures such as lions were part of elite symbolling from the fourth millennium BC onward. In some cases, animals also intruded on human lives in unwanted ways by scavenging or entering the household; this especially applies to small or wild animals. But animals were also attributed agency with the ability to solve problems; the distinction between humans and other animals often blurs in ritual, personal and place names, fables and royal ideology. They were helpers, pets and companions in life and death, peace and war. An association with cult and mortuary practices involves sacrifice and feasting, while some animals held special symbolic significance.

This volume is a tribute to the animals of the ancient Near East (including Mesopotamia, Anatolia, the Levant and Egypt), from the fourth through first millennia BC, and their complex relationship with the environment and other human and nonhuman animals. Offering faunal, textual and iconographic studies, the contributions present a fascinating array of the many ways in which animals influence human life and death, and explore new perspectives in the exciting field of human-animal studies as applied to this part of the world.

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