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بعض أنواع الضفادع وصفاتها في المعتقدات الكوشية القديمة

هادية محمد شوقي جمال

أستاذ مساعد بقسم الآثار بجامعة بحري (السودان)

hadia1996@yahoo.com

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Some Frogs' Species and their Characteristics in the Ancient Kushite Beliefs

Hadia Mohammed Shawgi Gamal
Assistant professor in Archaeology Department, University of Bahariya (Sudan)
hadia1996@yahoo.com

Abstract
This study aims to shed light on some different species of frogs found in the Kushite civilization (Napata-Meroe) in Sudan, their characters, and the relation between each species and its location. It is considered one of the unique studies of its kind, showing important information about frog types their characters, hence its relationship to the Goddess "Heket".
Frogs, as amphibian animals, vary both in size and color and come in just about every color that you can imagine. Goddess "Heket" was worshiped in the form of a frog in ancient Egypt and Sudan. Frogs' archaeological remains were found in many archaeological Sudanese sites from the early times to the post-Meroitic period, in different colors and shapes. Three types of frogs were identified and linked to their characteristics and their locations. There is the Goliath frog, which is the largest one in the world, a common reed frog, distinguished by its black color dotted with white, the Athi River reed frog, which is related to the same family of the common reed frog, and the red tree frog.

Abstract

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Keywords Amphibian ; Heket; poison

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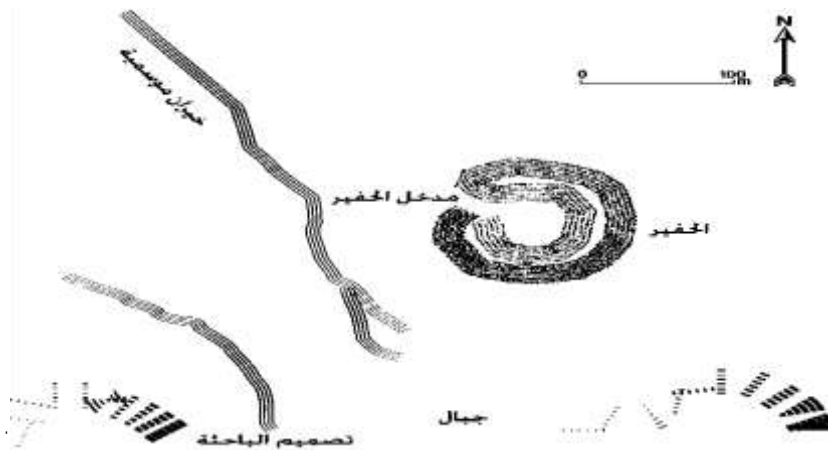
22 SCHÄFERA, M., OTHERS, «Goliath Frogs Build Nests for SpawningThe Reason fortheir Gigantism?», *Journal of Natural History* 53, No. 2122, Tylor and Francis group, 2019, 1273-1276, 1273

24 CROWFOOT, *The Island of Meroe* 15.

25 WILDUNG & DIETRICH, «Kushite Religion Aspects of the Berlin Excavation at Naga» 75.

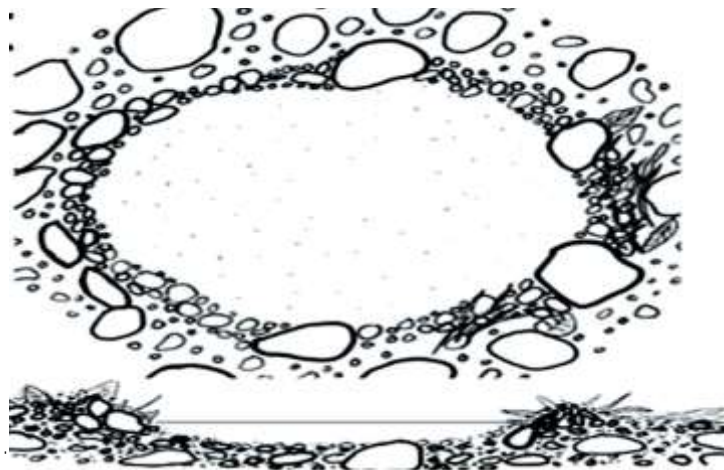
- ! HALLIDAY , T., *The Book of Frogs*, Canada, US: IvyPress,2005.
- ! KORMYSHEVA , E., *Gods and Divine Symbols of the Ancient Sudanese Civilization*, Russia:Institute of OrientalStudies,2006.
- ! LOBBAN , R., «Frogs inAncient Egypt and Nubia»*Cahiers Caribees d'Égyptologie* 7-8, Février-Mars,2005, 151-167.
- ! LOHWASSER , A., *The Kushite Cemetery of Sandara*, London: Golden House Publication,2010.
- ! MACIVER & WOOLLEY , *Buhen* Text, VOL. VII , Philadelphia: The University Museum 1911.
- ! NORDSTROM . H.A ., «Pottery Production in Sudan Ancient Treasures» Edited by WELSBY , D.A. & ANDERSON , J.B., London: British Museum Press, 2004,-248.
- ! ! Ⓒ% - : Ž ! ABD AL - : Ž Y,žT *Ir wa Had r a š r a d* , Cairo, 2007.
- ! PASQUALI , M.I., «On the Religious and Symbolic Meaning of Amphibian Representations In *Between the Cataracts*, part2, VOL.2, edited by Goldlewski and Lajtar A. , Warsaw: Polish Center of Mediterranean Archaeology, 2010 587-592.
- ! PREEZ , L.D., & CARRUTHERS , V., *Frog of Southern Africa A Complete Guide*, South Africa: Penguin Random House, 2017.
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- ! SCHÄFERA , M., OTHERS , «Goliath Frogs Build Nests for Spawning The Reason for their Gigantism?», *Journal of Natural History* 53, N. 21-22, Tylor and Francis group, 2019, 1261-1276.
- ! SPAWLS , S., WASTONGA , D.V. & DREWED , R.C., *The Amphibians of Kenya*, Stephen Spawls (privately published) 2019
- ! STUART , S.N. & OTHERS , *Threatened Amphians of the World* Lynx Edicions Montseny 8, 08193 Bellaterra, Barcelona, 2008
- ! WILDUNG , D., «Kushite Religion Aspects of the Beni Excavation at Naga» In *Sudan Ancient Treasures*, Edited by WELSBY , D.A. & ANDERSON , J.B., London: British Museum Press 2004, 74-185.
- ! WILDUNG , D., «La ceramique Meroitique» In *Sudan Royaumes sur le Nil*, Edité par WILDUNG , D., Paris, 1997 341-368

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PREEZ & CARRUTHERS , Frog of Southern Africa, A Complete Guidē.

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(Madagascan Mantel)
HALLIDAY , The Book of Frogs.



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Ú Á
The Strawberry Poison Dart Frog
HALLIDAY , The Book of Frogs.



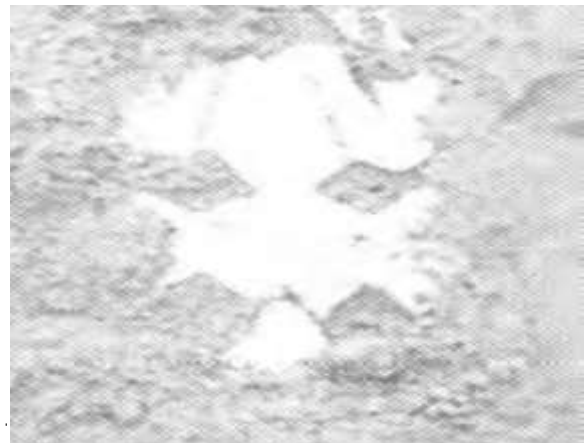
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WILDUNG, «Kushite Religion Aspects of the Berlir
Excavation at Naga», 175.



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<https://BostonMuseum.com> Accessed on 12/10/202



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Accessed on 12/10/2023.



Spawls et al *The Amphibians of Kenya*, 26

https://BostonMuseum.com. Accessed on 12/10/2023.



https://BostonMuseum.com. Accessed on 12/10/2023.

https://BostonMuseum.com. Accessed on 12/10/2023.



https://BostonMuseum.com. Accessed on 12/10/2023.

PREEZ & CARRUTHERS, *Frog of Southern Africa, Complete Guide*