

Studia Chaburensia

(StCh)

Edited by Hartmut Kühne

Editorial Board:

Peter M.M.G. Akkermans, Eva Cancik-Kirschbaum,
Florian Janoscha Kreppner, Karen Radner

Volume 4

2014

Harrassowitz Verlag · Wiesbaden

Settlement Dynamics
and Human-Landscape
Interaction
in the Dry Steppes of Syria

Edited by Daniele Morandi Bonacossi

2014

Harrassowitz Verlag · Wiesbaden

Cover illustration: Desert-kite in the Palmyra steppe (photo Alberto Savioli, Italo-Syrian Mission in the Western Palmyrena)

Scientific Committee:

Dominik Bonatz, Dominique Charpin, John Curtis, Jean-Marie Durand, Jesper Eidem, Frederick Mario Fales, Jörg Klinger, Maria Grazia Masetti-Rouault, Stefania Mazzoni, Peter Miglus, Adelheid Otto, Simo Parpola, Peter Pfälzner, Nicolas Postgate, Michael Roaf, Stefan Seidlmayer, Daisuke Shibata, Chikako E. Watanabe, Shigeo Yamada.

The series will consider contributions in the following fields:

- History, with an emphasis on regional, local, and micro-historical approaches.
- Archaeology, with an emphasis on studies on material-cultural phenomena from excavation contexts and on functional analysis.
- Environmental studies, with an emphasis on the reconstruction of rural and urban landscapes and their development in relation to the natural conditions.
- Settlement history, with an emphasis on the development of settlement patterns and systems.
- Social studies, with an emphasis on rural communities, their organization and relationship to the central government; every day life and social systems.
- Publication of dissertations and other theses dealing with topics concerning these subjects.
- Publication of international and interdisciplinary conferences on topics concerning these subjects.

Manuscripts are to be submitted to the editor as word-documents, with figures as single jpg-documents with a resolution of at least 800 dpi. Languages: English, French, German (for other languages please contact the editor).

Address of the editor: Hartmut Kühne, Institut für Vorderasiatische Archäologie, Hüttenweg 7, 14195 Berlin, Germany.

Bibliografische Information der Deutschen Nationalbibliothek
Die Deutsche Nationalbibliothek verzeichnet diese Publikation in der Deutschen Nationalbibliografie; detaillierte bibliografische Daten sind im Internet über <http://dnb.dnb.de> abrufbar.

Bibliographic information published by the Deutsche Nationalbibliothek
The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie; detailed bibliographic data are available in the internet at <http://dnb.dnb.de>.

For further information about our publishing program consult our website <http://www.harrassowitz-verlag.de>

© Otto Harrassowitz GmbH & Co. KG, Wiesbaden 2014

This work, including all of its parts, is protected by copyright.

Any use beyond the limits of copyright law without the permission of the publisher is forbidden and subject to penalty. This applies particularly to reproductions, translations, microfilms and storage and processing in electronic systems.

Printed on permanent/durable paper.

Typesetting: Katia Gavagnin

Printing and binding: Memminger MedienCentrum AG

Printed in Germany

ISSN 1869-845X

ISBN 978-3-447-10166-0



Contents

Preface	VII
Bernard GEYER, Marie-Laure CHAMBRADE and Éric COQUEUGNIOT Water Quest and Subsistence Strategies during the Neolithic in the Arid Margins of Northern Syria	1
Daniele MORANDI BONACOSSÌ Desert-kites in an Aridifying Environment. Specialised Hunter Communities in the Palmyra Steppe during the Middle and Late Holocene	33
Marco IAMONI Late Neolithic Funerary Evidence from Palmyra: the Rujem al-Majdur necropolis and the “desert-kite and tumulus cultural horizons” in Central Syria	49
Sumio FUJII Chronology of the Bishri Pastoral Prehistory and Protohistory: A Cross-check against the Jafr Chronology in Southern Jordan	63
Minna LÖNNQVIST The Emergence of Pastoral Transhumance at Jebel Bishri in Central Syria	93
Yoshihiro NISHIAKI Steppe exploitation by Bronze Age communities in the Middle Euphrates Valley, Syria	111
Atsunori HASEGAWA and Katsuhiko OHNUMA New Evidence from Tell Ghanem Al-Ali: A Third Millennium Site in the Middle Euphrates, Syria	125
Shogo KUME and Ahmad SULTAN Burials, nomads, and cities: A perspective to changing nomad-sedentary relations on the Syrian Middle Euphrates during the third and second millennium BC	137
Stefan L. SMITH, Tony J. WILKINSON and Dan LAWRENCE Agro-pastoral Landscapes in the Zone of Uncertainty: The Middle Euphrates and the North Syrian Steppe during the 4th and 3rd millennia BC	151
Olivier BARGE, Corinne CASTEL and Jacques ÉLIE BROCHIER Human impact on the landscape around Al-Rawda (Syria) during the Early Bronze IV: evidence for exploitation, occupation and appropriation of the land	173
Bernd MÜLLER-NEUHOF Desert irrigation agriculture: Evidences for Early Bronze Age Rainwater-Harvesting Irrigation Agriculture at Jawa (NE-Jordan)	187
Maria Giovanna BIGA The Syrian steppes and the kingdom of Ibal in the third millennium B.C.: new data from the Ebla texts	199





VI

Contents

Nele ZIEGLER and Hervé RECULEAU	
The Sutean Nomads in the Mari Period	209
Frederick Mario FALES	
Hamlets and Farmsteads in the Balīḥ River Valley: The Middle Assyrian and the Neo-Assyrian Evidence	227
Olivier ROUAULT and Maria Grazia MASETTI-ROUAULT	
From One Valley to Another: Bir el-Haddad, a Neo-Assyrian Trading Post?	243
Dorothee SACK, Martin GUSSONE and Dietmar KURAPKAT	
A Vivid City in the ‘Syrian Desert’: The case of Resafa-Sergiupolis/Rusafat Hisham	257
Elisabetta RANDAZZO	
La Steppe Syrienne à la période omeyyade	275

