## Contents

List of figures ................................................................................................................................................... iii
Editorial preface ................................................................................................................................................ vii

**Introduction** .................................................................................................................................................. 1
  Ragnhild BERGE and Heidrun STEBERGLOKKEN

Knowing by learning by being there – the course which formed a new generation of rock art researchers .......................................................... 3
  Jarl NORDBLADH

Contested worlds – a chronotopic essay about mortuary monuments and cultural change in Northern Europe in the second millennium BC .......................................................... 13
  Joakim GOLDHAHN

Art and intimacy within the prehistoric landscapes of Norway: how hunter/fisher/gatherers organised their ritual and political worlds through art ............................................................... 31
  George NASH and May-Tove SMISETH

Making community: rock art and the creative acts of accumulation .......................................................... 47
  Mark SAPWELL and Liliana JANIK

Bow and errors .................................................................................................................................................. 59
  Paul G. BAHN

The method and physical processes behind the making of hunters’ rock art in Western Norway: the experimental production of images .......................................................... 67
  Trond KLUNGSETH LODOEN

Boundless rock art – symbols, contexts and times in prehistoric imagery of Fennoscandia .......................................................... 79
  Ulf BERTILSSON

Subsistence in central Norway elucidated through rock art excavation and documentation .......................................................... 99
  Eva LINDGAARD

Between land and water: the ship in Bronze Age West Norway .......................................................... 111
  Melanie WRIGGLESWORTH

The motif of the boat in Valcamonica rock art – problems of chronology and interpretation .......................................................... 119
  Angelo Eugenio FOSSATI

Contrasts of the maritime environment – possible implications in prehistory – A very short course of cognition in the ancient maritime cultural landscape .......................................................... 141
  Christer WESTERDAHL

Rock art and the importance of style – style complexes and group identity – South-Western United States and Mid-Scandinavia – a comparable approach .......................................................... 155
  David VOGT
Memory and destruction – pictorial practices surrounding red ochre paintings in late neolithic Northern Sweden ......................................................... 167
Ylva Sjöstrand

Bibliography Kalle Sognnes 1971-2015 ................................................................. 181
Eva Lindgaard
List of Figures

J. Nordbladh: Knowing by learning by being there – the course which formed a new generation of rock art researchers
Figure 1: Some participants of the course listening to Erling Johansen .......................................................... 4
Figure 2: Bertil Almgren. (Photo Lars Strömberg) ..................................................................................... 6
Figure 3: Sverre Marstrander at Solberg, Skjeberg ................................................................................... 6
Figure 4: Erling Johansen, in the middle ....................................................................................................... 7
Figure 5: The sensitive fingers of Sverre Marstrander and Erling Johansen ................................................ 7
Figure 6: This strange formation is a devise to shut out the daylight ............................................................ 8
Figure 7: Bertil Almgren acting as a dress servant, lifting a replica of a Bronze Age cloak ......................... 8
Figure 8: The contour of a possible Bronze Age cloak at the site of Nasseröd ............................................. 8
Figure 9: A large part of the course in front of the site Hamn, Kvile parish .................................................. 10

J. Goldhahn: Contested worlds – a chronotopic essay about mortuary monuments and cultural change in Northern Europe in the second millennium BC
Figure 1: A tentative map of Northern Europe and the distribution of mounds, cairns and areas ...... 16
Figure 2: A gallery grave from Skottene in Södra Ryrs parish in Västergötland, Sweden ...................... 17
Figure 3: A gallery grave from Utboågården in Karleby parish in Västergötland, Sweden ................. 17
Figure 4: Bronze Age mounds at Steglarp in Scania, Sweden .................................................................... 18
Figure 5: Uggeråderojr from southeast Gotland ....................................................................................... 18
Figure 6: Attributed gender of 999 Early Bronze Age burials from Denmark ..................................... 19
Figure 7: The gallery grave from Dragby in Skuttunge parish, Uppland .................................................... 20
Figure 8: The passage grave from Mysinge in Resmo parish, Öland, southeast Sweden .................... 21
Figure 9: Calibrated C-14 analysis of human beings from the passage grave at Mysinge, Öland ....... 22
Figure 10: The passage grave from Eldsborga in Halland ............................................................... 23
Figure 11: An outline of the Capeshøj context on Zealand, Denmark ...................................................... 24
Figure 12: The Dihøj dolmen, Zealand, Denmark ..................................................................................... 24
Figure 13: The Engelstrup slab with rock art ............................................................................................... 25
Figure 14: US Troops engaged in overthrowing Saddam Hussein ......................................................... 26

G. Nash and M.-T. Smithe: Art and intimacy within the prehistoric landscapes of Norway: how hunter/fisher/gatherers organised their ritual and political worlds through art
Figure 1: Distribution of painted sites in Norway ....................................................................................... 32
Figure 2: A community of human figures, painted in haematite from Skåren-Monsen Cave .......... 34
Figure 3: A rare sun-disc figure, painted in haematite from Skåren-Monsen Cave .............................. 34
Figure 4: Two images of the painted open-air rock panel of Tumlehed, South-west Sweden .......... 35
Figure 5: The faded image of an elk, located on a vertical wall at Nerhol II ........................................... 36
Figure 6: D-Stretch enhanced image of the same elk ............................................................................. 36
Figure 7: Outline of an anthropomorphic figure, close to the Nerhol I site ......................................... 37
Figure 8: Outline of an archer, located close to the Nerhol I site ............................................................. 37
Figure 9: View of the cliff face towering over the Driva ......................................................................... 37
Figure 10: One of the authors abselling over the site, engaged in photographic recording .............. 37
Figure 11: Elk figure with simple x-ray detail located on Panel I .............................................................. 38
Figure 12: An abundance of fish with a fishing line on Panel III ............................................................. 38
Figure 13: Geometric design on Panel VIII .............................................................................................. 38
Figure 14: The complete and complex Panel I of Honhammar facing the fjord and its D-Stretch .... 39
Figure 15: The complete and complex Panel I of Honhammar D-Stretch counterpart .................... 39

M. Sapwell and L. Janik: Making community: rock art and the creative acts of accumulation
Figure 1: Location of the discussed rock art sites ...................................................................................... 48
Figure 2: Comparison of quantitative analysis applied to Nåmforsen and Zalavruaga ......................... 49
Figure 3: Groups D:10 and C:1 of Laxön, demonstrating examples ....................................................... 50
Figure 4: Group C.2 at Laxön. This portion of the panel shows a number of human figures .............. 51
Figure 5: Groups XX, XVII and IV, illustrating examples ...................................................................... 52
Figure 6: Groups XIV and XXII are examples of animal figures not involved in hunting scenes ...... 52
Figure 7: Motifs from Group IV, showing a collection of boat figures .................................................... 53
Figure 8: Group XIII, showing a complex whaling scene ........................................................................ 53
Figure 9: Group X, showing a group of boat figures and two whaling scenes ..................................... 53
Figure 10: Human figure from Group XX, lit obliquely using artificial light at night .................... 54
Figure 11: Example of isolated fish motif .................................................................................................. 55
Figure 12: Group XIII example of a large elk/cervid .............................................................................. 56
Figure 13: Tree figure in Group IV, surrounded by boat and human figures ........................................ 56
P. G. Bahn: Bow and errors
Figure 1: Tracing of the Trois Frères figure .................................................................59
Figure 2: Tracing of a bow-player in the ‘White Lady shelter’ in the Brandberg, Namibia ..............60
Figure 3: Tracing of two bow-players in the ‘White Lady shelter’ in the Brandberg, Namibia ..........60
Figure 4: A San hunter-gatherer playing a musical bow ......................................................60
Figure 5: Painting at Wide Valley, Maclare, South Africa .....................................................61
Figure 6: Tracing of a South African painting of a musical-bow player .................................61
Figure 7: Tracing of bow players at Omandumba, Namibia ....................................................61
Figure 8: Tracing of a painting of a bow player in the Brandberg, Namibia ...............................62
Figure 9: Macro-photo of the engraved figure’s head ............................................................62
Figure 10: Drawing of the Trois Frères engraving ............................................................63
Figure 11: Tracing of the Trois Frères engraving .................................................................63

T. Klungseth Lødøen: The method and physical processes behind the making of Hunters’ rock art in Western Norway: the experimental production of images
Figure 1: The northern side of the Vingen fjord ...............................................................68
Figure 2: The majority of the rock art in the area is pretty intensively weathered ....................68
Figure 3: One on the many panels showing the complexity of the rock art ............................68
Figure 4: A prehistoric chisel or hammer stone discovered during archaeological investigations 69
Figure 5: Tracing of an anthropomorphic figure or skeleton ...............................................70
Figure 6: The process of pecking rock art, literally in the hands of Morten Kutschera ............71
Figure 7: The images were first outlined by chalk before the pecking process started ..........71
Figure 8: Most of the tools involved in the experiments ......................................................71
Figure 9: Two hook images, what is likely to understand as animal headed staffs .................72
Figure 10: A more complex anthropomorphic image .......................................................72
Figure 11: Two anthropomorphic images with different appearances ....................................72
Figure 12: Red deer image with swellings .......................................................................73
Figure 13: A small highly stylised image which took approximately half an hour to produce ....73
Figure 14: On the rear side of the previous rock another image with a different character .....74
Figure 15: The final image was produced at the rear side of the animal headed images ........74
Figure 16: Egil Bakkas suggestions of the style development at Vingen ...............................76

U. Bertilsson: Boundless rock art – symbols, contexts and times in prehistoric imagery of Fennoscandia
Figure 1: Map of Stone Age rock art sites in Finland, Norway and Sweden from Helskog 2012 ......80
Figure 2: Rock painting at Uitamosalmi with typical images of anthropomorphs, boats and elks....82
Figure 3: Anthropomorphic image having two horns on its head at Astuvansalmi ........................83
Figure 4A: Different boat-types depicted on Finnish rock paintings ..................................84
Figure 4B: Single line boats with crew strokes, elk headed stems and anthropomorphs ..........84
Figure 5: Rock carving with Bronze Age ships at Tegneby in Tanum ..................................85
Figure 6: Image-rich, complex rock carving at Nämforsen, Ångermanland ............................85
Figure 7A: Rock painting at Tumlehed in Torslanda, Göteborg in Sweden ...............................86
Figure 7B: Rock carving at Disäsen in Brastad, Lysekil in Sweden .......................................86
Figure 8A: Anthropomorphic acrobat and adorer ...........................................................87
Figure 8B: Anthropomorphic acrobats appearing on different rock paintings in Finland ........88
Figure 9A: Group of 40 adorers at rock carving in Naquane, Valcamonica, Italy ....................88
Figure 9B: Group of 15 adorers and a bovine from Gobustan at Buyukdash, Gobustan ..........88
Figure 10: A variety of anthropomorphic images appearing on the Finnish rock paintings ....89
Figure 11: At Nämforsen, we can only find a few anthropomorphic images with two horns ......89
Figure 12: The incidence of horned figures of this kind outside our survey area ....................90
Figure 13A: Painting of hand at the top of Astuvansalmi ...................................................91
Figure 13B: Rubbing of hand and frame figure with geometric pattern at Glösa in Alsen ..........91
Figure 14: Three different net depictions from the rock paintings at Vitträsk at the top ........92
Figure 15: Researchers at Astuvansalmi studying the painted images at close distance ........94

E. Lindgaard: Subsistence in central Norway elucidated through rock art excavation and documentation
Figure 1: Scandinavia and regions with concentrations of farmers’ rock art .........................100
Figure 2: The Beitstad peninsula in the far north-end of the Trondheim fjord .......................100
Figure 3: The Bardal panel with its hundreds of figures .......................................................101
Figure 4: The different boat forms at Beitstad bear witness to the long rock carving tradition 102
Figure 5: The stone packing after uncovering it. It seems to even out the rock dome ...........103
Figure 6: Dated activity at Benan ..................................................................................104
Figure 7: The composition at Benan II resembling the Trundholm wagon .............................104
Figure 8: The eastern panel at Benan, with many Hjortspring boats ....................................104
Figure 9: The western panel at Benan II ........................................................................105
Figure 10: Dated house constructions at Beitstad ............................................................105
Figure 11: Dated traces from cereal cultivation in Beitstad ..............................................106
M. Wrigglesworth: Between land and water: the ship in Bronze Age West Norway

Figure 1: Map of Hordaland ...............................................................................................................111
Figure 2: Vangdal 1 .............................................................................................................................112
Figure 3: Ships at Vangdal 1 ...............................................................................................................112
Figure 4: Bakke, panel 1 .....................................................................................................................112
Figure 5: Bakke, panel 2-6, located further up the slope from panel 1 ..............................................113
Figure 6: Ship and anthropomorphic figures, Bakke 1 ......................................................................113
Figure 7: Berge .................................................................................................................................113
Figure 8: Ships at Berge ....................................................................................................................113
Figure 9: Linga ....................................................................................................................................113
Figure 10: Ship at Linga .......................................................................................................................114

A. E. Fossati: The motif of the boat in Valcamonica rock art – Problems of chronology and interpretation

Figure 1: A boat with oars. Naquane National Rock Engravings Park, rock. 35 ..............................120
Figure 2: Ithyphallic warrior riding a horse engraved on rock 1 of Dos Sulif ....................................120
Figure 3: Themes and phases of the warrior rock art period (4th style) in Valcamonica, Italy ................120
Figure 4: Typology of boats in Valcamonica rock art tradition .........................................................122
Figure 5: Ornithomorphic boats that transport the sun decorating a bronze situla ..............................122
Figure 6: The stele of Tresivio with the motif of the doppelvogelbarke ..............................................122
Figure 7: The four doppelvogelbarke, associated with inscriptions in Camunian alphabet ...............123
Figure 8: Vogelbarke in connection with the figure of the God Cernunnos engraved on rock 70 ..........123
Figure 9: The double doppelvogelbarke with oars engraved on rock 39 ............................................123
Figure 10: Boat with oars engraved on rock 50 of Naquane in National Rock Engravings Park ............123
Figure 11: Example of the use of perspective in the figures of boats, ploughs and wagons ..................124
Figure 12: A boat engraved from Aspeberget (Sweden) ...................................................................124
Figure 13: Figure of a boat with 20 oars engraved on rock 4 of Dos Sottolajolo ...............................124
Figure 14: Three boats with oars engraved on the rock 50 ................................................................125
Figure 15: Figure of a boat without oars engraved on rock 44 ...........................................................125
Figure 16: A figure of a ladder divided into three sections situated in the middle part .........................125
Figure 17: One of the boats with oars from rock. 35 ........................................................................125
Figure 18: Group of ‘praying’ female figures ......................................................................................126
Figure 19: Boats engraved on the rock 50 of the Naquane National Rock Engravings Park ...............127
Figure 20: Groups of birds in horizontal and vertical alignment .........................................................128
Figure 21: Two birds figures engraved without legs ..........................................................................128
Figure 22: Apex roof evolution in the architectural representations ..................................................130
Figure 23: Evolution of the handles in the Iberian ‘falcata’ swords ....................................................131
Figure 24: Pendants, probably representing the goddess Reitia .........................................................131
Figure 25: Sculpted relief from Bormio ............................................................................................131
Figure 26: Grieves from Pergine, late Bronze Age ..........................................................................132
Figure 27: Pendant found in a tomb of the Benacci Etruscan graveyard in Bologna .........................132
Figure 28: Map of the ‘Contrada Aquate’ (before 1835) .................................................................133
Figure 30: Boulder engraved with handprints and cup marks .............................................................133
Figure 31: A figure of a merman; B: sirens sculpted on a capital .......................................................133
Figure 32: Rocks resembling waves due to the glacial erosion. Rock 1 and Rock 35 .........................134
Figure 33: Double doppelvogelbarke from Bard (Val d’Aosta, Italy). Iron Age .................................135
Figure 34: Boats belonging to the 19th century from the Roccia delle Griselle ...............................135
Figure 35: Ship associated with human figures dancing. Boyukdash Hill, Gabustan (Azerbaijan) ....136
Figure 36: A typical boat engraved on a rock at Wadi Al Hareem, Oman ..........................................136

C. Westerdahl: Contrasts of the maritime environment – possible implications in prehistory – a very short course of cognition in the ancient maritime cultural landscape

Figure 1: What is the point in bringing the ship (form) to land? ........................................................142
Figure 2: Bjørnen, ‘The Bear,’ a dangerous rock in the sea entrance to Mandal, Vest-Agder ................144
Figure 3: Coastal cairns is a main element in the coastal landscape all over Scandinavia ..................148
Figure 4: The liminal function of rock carvings evidently extends to fresh waters .............................149

D. Vogt: Rock art and the importance of style – Style complexes and group identity – South-Western United States and Mid-Scandinavia – a comparable approach

Figure 1: Lonely campsite under the towering cliffs of Sears Point, east of Yuma, Arizona ..........155
Figure 2: Rio Grande River from a view north of Santa Fe, New Mexico ........................................157
Figure 3: Mesa Verde west of Durango in Colorado is among the most spectacular dwelling sites ...158
Figure 4: Petroglyphs at Sears Point, east of Yuma, Arizona ..........................................................159
Figure 5: Bardal in Nord-Trøndelag, Mid-Norway ..........................................................................161
Figure 6: Canyon de Chelly National Monument located in northeastern Arizona ......................163
Y. Sjöstrand: Memory and destruction – pictorial practices surrounding red ochre paintings in late neolithic Northern Sweden

Map of the sites
Figure 1: The petroglyph site Norrfors. This site has a maximum date to 2200 BC
Figure 2: Examples of elk figures from phase I, II, III, and IV
Figure 3: Distribution of painted elk figures by phase
Figure 4: Distribution of carved elk figures (at Namforsen) by phase
Figure 5a: Distribution of combinations of phases on 24 red ochre panels in northern Sweden
Figure 5b: Relation between the number of painted panels containing elks from phase IV
Figure 5c: Relation between the number of painted panels containing elks from phase III
Editorial preface

We are proud to present this anthology in honour of Professor Sognnes, in recognition of his research and academic career as well as his contributions to the preservation of panels and dissemination of rock art to a wider public. In September 2015 Karl Johan Sognnes or ‘Kalle’, as he is best known, turns 70. On this occasion we wish to present to him this anthology as a sign of appreciation of his many efforts within the field of rock art. Sognnes’ career has been long and covered many topics in archaeology. However, we wanted this book to concentrate on rock art, which has been his main research area for the last 40 years.

Since the 1970s Kalle Sognnes has worked with the rock art of central Norway, and has made rock art from this area known through a variety of international and domestic publications. Kalle was one of few pioneers bringing into Norwegian rock art research new thoughts and methods inspired from the concepts of New Archaeology, which meant a fertilizing and innovative approach and an incentive to re-thinking rock art studies. The grounds for this new mindset were laid during a longer stay in the USA and also exchanging ideas and thoughts with colleagues on the continent and the British Isles. Continuing Scandinavian contacts were also an impetus. From the 1970s and through the following decades Kalle Sognnes stood out as one of the most influential in this part of Norwegian archaeology. He brought Norwegian rock art to international academia, but he also made rock art sites of central Norway a gathering place for international researchers. One of these occasions was the Vitark International Rock Art Seminar: Rock art in landscapes – landscapes in Rock art held in Trondheim in 1998. At a more local level he played a significant part in the establishment of the Museum for rock art Bergkunstmuseet at Stjørdal, central Norway, which is centered round the sites of Leirfall and Bardal. Sognnes has been an active speaker, and has expressed the importance of communicating rock art to local communities.

Kalle Sognnes has also served as Head of Department of different archaeological departments at NTNU, and has mentored numerous master students. He was among the initiators of the archaeological study program at NTNU, which started in 1994. The degree program is still characterized by a profile which integrates theoretical studies and practical skills.
Emphasizing the prehistoric periods and rock art studies in particular, he advocated a central Nordic perspective and encouraged students to look beyond national borders. Kalle also generously has invited students to take part in his research, both on home grounds, but also in projects which have brought students as far as Maya cenotes at Yucatán, Mexico.

We believe that Professor Sognnes deserves an attention for the effort he has made not only for NTNU and the archeological environment in the Trondheim-region, but also for his work at a national and international level. Drawing up the lines for this book we aimed for a strong academic profile, where the selection of authors would reflect the range of Kalle’s network, and invited both national, Scandinavian and international authors. We sought a variation of writers both in terms of theoretical and methodical orientations, but also with respect to nationality, age and gender. The contributions in this present book is a strong testimony to Kalle’s influence and personal engagement in the field of rock art archaeology. We warmly thank the authors of this volume for your enthusiastic response to the plan for the book and for your cooperation and patience during the process of getting from idea to finished product. We likewise heartily thank the referees for your meticulous work – anonymous, but indispensable. We thank Terje Brattli, Martin Callanan, Sophie Bergerbrant, Marek E. Jasinski and Lise Bender Jørgensen for support and advice along the editorial process. We are also thankful for the support and cooperation of our publishers at Archaeopress.

For funding this book we are grateful to the Department of Historical studies, NTNU; the Faculty of Humanities; NTNU, The Royal Norwegian Society of Sciences and Letters and The Norwegian Archaeological Society (Norsk arkeologisk selskap).

Finally we will take this opportunity to congratulate Kalle so much on his 70th birthday.

Happy birthday Professor! Rock on!

The editorial committee

Heidrun Steberglokkken
PhD-Candidate Archaeology
NTNU Department of Historical Studies

Helle Vangen Stuedal
Archaeologist and content developer
Bergkunstmuseet, Stjørdal Museum Værnes

Ragnhild Berge
PhD-Candidate Archaeology
NTNU Department of Historical Studies

Eva Lindgaard
Senior Engineer Archaeology
NTNU University Museum
The first three articles deal with issues concerning power relations and symbolism. In *Contested worlds – A chronotopic essay about mortuary monuments and cultural change in Northern Europe in the second millennium BC* Joakim Goldhahn studies the significance of mortuary monuments and memory practice in the transition from a society ranked by kin in the Early Bronze Age to Chiefdoms in the Middle Bronze Age in Northern Europe. The analysis is an overall focus on social strategies related to the creation of new monuments and the destruction and reuse of older monuments. *Art and intimacy within the prehistoric landscapes of Norway: how hunter/fisher/gatherers organised their ritual and political worlds through art* by George Nash & May-Tove Smiseth brings into discussion the location of a selected number of rock paintings in Norway. The authors argue that the position of the panels was chosen in order to control the accessibility to these sites. Rockart was part of an order to maintain social and political control and thus reinforcing tribal hierarchies in hunter/gatherer societies. Mark Sapwell and Liliana Janik put forward a new approach on how to understand the accumulation of images at panels over time using examples from Laxön, Nämftoren in Sweden and Zalavruga in Russia in their article *Making Community: Rock Art and the Creative Acts of Accumulation*. New perspectives on rock art are combined with new methodologies. They argue that for both rock art landscapes there exist consistent patterns in how motifs are placed in relation to each other, and demonstrate selective acts of accumulation where the community used art in the act of including and excluding ideas.

Two of the contributions discuss aspects on theory and methods respectively. Through a critical reassessment of earlier research on the engravings in the cave of Les Trois Frères in Ariège, France, Paul Bahn in *Bow and Errors* warns against dangers of poorly-founded interpretations and of arguments from authority in rock art studies. Using ethnographic and artistic evidence from southern Africa, he examines the basis of Henri Breuil’s original interpretation that it depicts a player of a musical bow. In *The method and physical processes behind the making of Hunters’ Rock Art in Western Norway: the experimental production of images* Trond Lødøen presents results from the experimental production of rock art, making images on sandstone with a stone chisel. The article takes its point of departure in the rock carvings of the hunter’s type, at the site of Vingen, in Bremanger, Western Norway. He combines a background on the research on the production of rock art with special focus on time and production.

The next two articles share a critical approach towards the traditional idea of division between rock art produced by hunter-gatherers and by agriculturalists. In *Boundless rock art – symbols, contexts and times in prehistoric imagery of Fennoscandia* Ulf Bertilsson studies the dichotomous relationships between the traditional blocks of hunter-gatherers’ and farmers’ rock art, by presenting so far unknown examples of images, symbols and panels that seem to transcend the boundaries of these established concepts. *Subsistence in central Norway elucidated through rock art excavation and documentation*, by Eva Lindgaard presents a case study on rock art sites from Beitstad, central Norway holding rock art from both Stone Age hunter-gatherers and Bronze Age agriculturalists. The division between these traditions is challenged by recent rock art research and the absence of cereal cultivation indicators prior to the pre-Roman Age. By combining analyses of rock art with research on early agriculture,
Lindgaard seeks to investigate continuity and discontinuity within subsistence.

Relations between land and sea/water are treated in three articles where rituals and the liminal are central issues. Melanie Wrigglesworth explores the relations between maritime interactions and cosmology in *Between land and water: the ship in Bronze Age West Norway*. Four rock art sites dated to the Bronze Age in Hardangerfjord, Western Norway are presented and discussed. The ship’s importance in everyday life and in cosmology is reflected in motives on rock art panels, which the author sees as sites for rituals influential to the regulation of maritime networks. In *The motif of the boat in Valcamonica Rock Art. Problems of chronology and interpretation* Angelo Fossati discusses the Alpine ship images in relation to a general Alpine chronology. The article places ship images into a detailed chronological framework and further, other water-related images like waterfowls are discussed. He identifies several problematic issues and concludes that there is a need for continuous analysis to ascertain the scope of the ritualistic value of these themes in rock art. *Contrasts of the maritime environment. Possible implications in prehistory* by Christer Westerdahl puts forward the view that maritime communities’ two poles of subsistence is reflected in a cognitive dual structure sea/water-land. Various details of the rock carvings, such as the heads of land animals on the ships, may illustrate negotiation between these two perspectives. Their representations, in the form of great animals etc. are understood as liminal agents passing from one sphere to the other. The main source material is maritime folklore documented during historical times.

The section of articles ends with two contributions representing new approaches to the traditional topic of style. In his article *Rock art and the importance of style. Style complexes and group identity – South-Western United States and Mid-Scandinavia – a comparable approach* David Vogt makes a comparison between the rock art at Sears point Arizona and the rock art in Trøndelag, Norway. He analyses rock art style as a medium for sending coded and multilevelled messages between people against a background of social stress and conflicts. The article *Memory and destruction. Patterns of practices during the latest stylistic phase within the north Swedish rock painting tradition* presents results concerning long term changes in expressing and depicting the elk. Ylva Sjöstrand suggests that the role of red ochre pictures during the late Neolithic functioned as a complex semiotic tool, used for appreciating the balance between tradition and revitalization.

The final section of the book is a bibliography of Professor Kalle Sognnes’ papers, articles and other publications compiled by Eva Lindgaard.