Table of Contents

List of Figures	X
List of Tables	xix
Acknowledgements	xxiii
Empirical Data and Thanatological Perspectives on Ba`ja's Late PPNB Sepulchral Environments: a Synthesis Marion Benz, Joachim Bauer and Hans Georg K. Gebel	1
Introduction General Methodological Reflections Burials as Prehistoric Archives	1 3 4
Perspectives of Research: on the Way to an Integrative Thanatoarchaeology Burials as "un fait social total" Through "Archéothanatologie" Back to Ritual Processes Combining Social Neurosciences and Phenomenology The Role of Collective Memories and Identification Embodied Symbols A Matter of Time	8 8 9 10 11 12 13
Summary of the Empirical Observations Location of the Burials and Preparation of the Burial Grounds Grave Constructions Eco- and Artefacts Associated with Burials Destruction and Fragmentation Segregation Animal Bones Associated with Burials Treatment of the Corpses Position and Orientation Use of Fire Use of Pigments and Colours Noise and Sounds Efforts and Time Investments Assessments of the Grave Constructions and Artefacts Associated with Burials Social Affiliations and Mobility	14 14 16 18 30 31 31 32 33 33 34 35 35 36 38
Thanatoarchaeological Theses and Interpretations Data Set 2 on Social Neurosciences Data Set 3 on Human Ethology Data Set 4 on the Etho-Ontological Intersection Data Set 5 on Human Ontology	42 43 45 47 48
Relating Death and Life: Concluding Remarks Establishing Territorial and Emotional Bonds Beyond Death: Embodied Memories and Territories of Death Transcending Linear Time Concepts of Death Defining the Group	51 52 53 53

Between Assimilation and Differentiation	53
The Impact of Burial Practices on Craft and Exchange Networks	55
Burial Rituals as Catalysts for Social Differentiation	56
Epilogue and Outlook	57
Acknowledgements	58
References	58
"Domesticating" Death: the Burial Contexts Marion Benz, Julia Gresky, Christoph Purschwitz, Hala Alarashi, Michael Schultz and Hans Georg K. Gebel	73
Introduction	73
Systematics of Burial Descriptions	74
Nomenclature of Burial Types and Limitations	75
Bio-Anthropological and Archaeobiological Analyses	75
Evidence on Basketry and the Use of Pigments	75
Ornaments and Other "Grave" Goods	77
Dearer CD5, Describe CC2 and CC2	70
Room CR5: Burials CG2 and CG3 CG2: Double Burial of two Subadults	78 78
	78 83
CG3: Single Primary Burial of an Infant	83
Room CR6: Burials CG4, CG5, and CG6	86
CG4: Single Primary Burial of a Child	86
CG5 and CG6: Enigmatic Sequence of Interments	91
e ee unu e ee. Emg.mune eequenee er monnene	, ,
Room CR36.1: a Special Place for a Special Person	106
CG7: the Burial of "Jamila"	108
Pages CD25, Provide CC9 and CC10	110
Room CR35: Burials CG8 and CG10	119
CG8: Another Double Burial of two Subadults	120
CG10: Extraordinary Adult Primary Burial	124
Room DR19	133
DG2: Single Primary Infant Burial	133
·	
TU7G1: Single Primary Burial in an (Upper) Ruined Housing Area?	135
Multiple and Collective Burials	139
The Collective Burial DG1	139
The Multiple or Collective Burial CG9 in Room CR28.2	148
Deposition of Human Bones in Room CR34: the Collective Burial CG12	161
The Collective Burial CG1 in Room CR35	168
A Sequence of Collective Burials in Room CR17	176
References	191
Appendix 1	194
Appendix 2	194
Appendix 3	197
Appendix 4	199

Human Remains from Areas C and D: Morphological and Palaeopathological Investigations Julia Gresky	201
Introduction	201
Materials	201
Methods	205
Results Representation, Preservation, and Surface Composition Black and Red Staining, Presence of Crystals, Rodent Gnawing Marks, and Plant Root Etching Age and Sex Profile Non-Metric Traits Pathological Changes	205 205 207 207 208 209
Discussion Taphonomy Age and Sex Profile Non-Metric Traits Pathological Changes	215 215 217 217 218
Summary and Outlook	221
Acknowledgements	221
References	222
Appendix 1: Catalogue	227
Non-Metric Traits of Deciduous and Permanent Dentitions of Ten Non-Adult Individuals from Area C Julia S. Krauß, Jan E.W. Gresky and Julia Gresky	261
Introduction	261
Material and Methods	261
Results Frequencies of Non-Metric Traits of the Deciduous and Permanent Dentitions Detecting Possible Biological Relationships	263 263 263
Discussion	266
Outlook	267
References	268
Appendix 1	270
Appendix 2	271

The Archaeogenetic Evidence Eirini Skourtanioti and Michal Feldman	273
Introduction	273
Materials and Methods Sampling and Laboratory Procedures Archaeological and Anthropological Context of Analysed Individuals In Silico Analyses In Silico Analyses (Uniparental Haplogroups)	275 275 277 277 279
Results and Discussion Quality Assessment of the Recovered Genomes Population History Sex Determination, Genetic Kinship, and Consanguinity	279 279 279 281
References	284
Local People or Masked Mobility: Results of Strontium Isotope Analysis of Human Teeth Corina Knipper, Julia Gresky and Marion Benz	291
Introduction	291
Material and Methods Methodological Background Sample Preparation and Analyses	292 293 294
Results	294
Discussion Variations Among Households (Micro-Level) Regional Variations (Macro-Level)	297 300 302
Concluding Notes and Prospects	303
Acknowledgements	304
References	305
Histotaphonomy Report Scott D. Haddow	309
Introduction	309
Material and Methods	310
Results Sample a1 from Burial DG2, Loc. DR19:110 Samples a2-b1 from Burial CG8, Loc. C10:405 Individual I and Individual II Sample a3 (Right Radius) and b2 (Right Ulna) from Burial CG6, Loc. CR6:41a Sample a4 from Burial CG4, Loc. CR6:48 Sample a5 from Burial CG3, Loc. CR5:49a Samples b3-b4 from Burial CG5, Loc. CR6:23a/ b, Individuals I-II Sample b5 from Burial CG7, Loc. C1:46	312 313 314 315 316 317 318
Discussion	319
Conclusions	320

Acknowledgements	320
References	320
Evidence for the Use of Baskets, Mats, and Painted Plaster from a Double Child Burial Nicole Reifarth, Ursula Drewello and Rainer Drewello	325
Introduction	325
Material and Methods	325
Results Clay Plaster Type 1 Clay Plaster Type 2 Lime Plaster Type 1 Lime Plaster Type 2	326 326 330 330 330
Discussion Technology of Basketry and Matting Pigments and Plaster Associated with Basketry and Matting in Burial Contexts Future Perspectives	333 333 335 337
Conclusion	338
Acknowledgements	338
References	338
The Use of Red Pigments: Colour-Coded Territories Hans Georg K. Gebel	341
Introduction In General Ethological and Ontological Dimensions of Colours Transculturality of Red Colours in Ba`ja: the Research Questions	341 341 342 344 345
Red in Ba'ja: the Material Evidence and its Archaeometry Geological Evidence Procurement Contexts Production Contexts (Primary Pigment Processing) Processing Contexts (Secondary Pigment Processing/ Colouring) Building Contexts Sepulchral Contexts Other Colouring Contexts	346 346 347 349 351 352 358
Conclusions: Commodifying the Red in Ba`ja Tangible and Intangible Living Spheres Tangible and Intangible Sepulchral Spheres Red's Commodification: the Broader Societal-Deathlore Contexts	359 360 363 364
Neolithic Colour Research: Preparing a Prolegomenon	365
Acknowledgements	367
References	367

Sepulchral Commodification: the Rituality of the Ba`ja Daggers Hans Georg K. Gebel	371
Frameworks, General	371
Find Contexts, Chrono-Stratigraphy	372
Type and Technology, Manufacturing Areas, Comparisons	375
Biographic Stadia and Commodification Acts	383
Cultural and Ritual Contexts, Social and Symbolic Frameworks	386
Conclusions	387
Acknowledgements	389
References	389
Faunal Remains in Burial Contexts Anja Prust	393
Introduction	393
Material and Methods	393
Results	396
Animals in Ritual Activities?	398
References	401
Appendix 1	404
Elements of Ornaments in Non-Burial Contexts: Investigations on Raw-Materials, Production, and Use-Wear Hala Alarashi	405
Introduction	405
Methods Taxonomic and Material Determination Cleaning Nomenclature, Conventions, and Method of Classification Documentation	406 406 406 406 407
Results Organic-Based and Mineral Raw Materials Forms and Types Use-Wear and Display Systems	408 408 410 422
Definition of the Ornamental Tradition Raw Materials and Types' Choices Bead-Making Activities: Skills and Technoeconomic Behaviour From Object to Ornament, from Functionalities to Functions	428 428 429 430

Conclusion	432
Acknowledgements	433
References	433
Appendix 1	436
General Contextual Evaluation of Ornamental Elements Hala Alarashi and Marion Benz	437
Introduction	437
Material and Methods	437
Distribution of Shell Ornaments	444
Contexts of Mineral Ornaments	445
Distribution of Adornments According to Areas Shell Ornaments Mineral Ornaments	446 447 448
Summary and Discussion	449
Acknowledgements	452
References	453
Appendix 1	456
Results of XRF-Analyses and Thin Sections of Raw Materials from Beads Melissa Gerlitzki and Manfred Martin	457
Introduction	457
Material and Methods	458
Results and Discussion "Greenstone" Beads Chemical Composition and Nomenclature of "Greenstone" Beads Trace Elements of "Greenstone" Beads: Evidence of Origin Limestone Beads Chemical Composition and Nomenclature of Limestone Beads Trace Elements of Limestone Beads: Evidence of Origin? Thin Sections of Disk Beads Diverse Beads Classification of the Diverse Beads and Possible Sources	460 460 461 461 466 466 468 470 470
Conclusion	471
References	472

"Jamila's" Necklace: Study and Reconstruction of a Complex Ornament Found in the Child Burial CG7 Hala Alarashi	475
Introduction	475
Observations and First Hypotheses	475
Methods Excavation and Documentation	480
Identification of Raw Materials	480 481
Typology and Morphometry	481
Macro- and Microscopic Observations	482
Reconstruction of the Ornament	485
Results	486
Raw Materials Translational Diversity Techniques and Hea Ween Montes	486
Typological Diversity, Techniques, and Use-Wear Marks Morphometric Analyses	487 499
The Reconstruction of the Necklace	500
Discussion	507
A Bunch of Attractive Exotic and Local Raw Materials	507
Where is the Workshop?	508
Techno-Economic Investment	509
Between Cultural Choices and Regional Markers	509
Conclusion	510
References	511
The Bead Necklace from the Child's Grave CG7: Conservation and Restoration of an Exceptional Find Alice Costes and Andrea Fischer	515
Introduction	515
The Finds and Their State of Preservation	516
Mother-of-Pearl Ring	516
Beads	517
Conservation	519
Mother-of-Pearl Ring	519
Beads	520
Mounting for Exhibition	522
Transport to Jordan	524
Acknowledgements	524
References	524
Appendix 1	525

"Jamila's" Grave: Consolidation and Reconstruction Hussein M. al-Sababha and Mousa Serbil	527
The Reconstruction of the Grave	528
Outlook	530
Acknowledgements	532
References	532
Appendix 1	532