

*Real time link between
field recording and publication:
Digital archaeology
at ancient Urkesh in modern Syria*

**Theoretical principles
and website applications**

Giorgio Buccellati
Cotsen Institute of Archaeology, UCLA

TURKEY

Urkesh

SYRIA

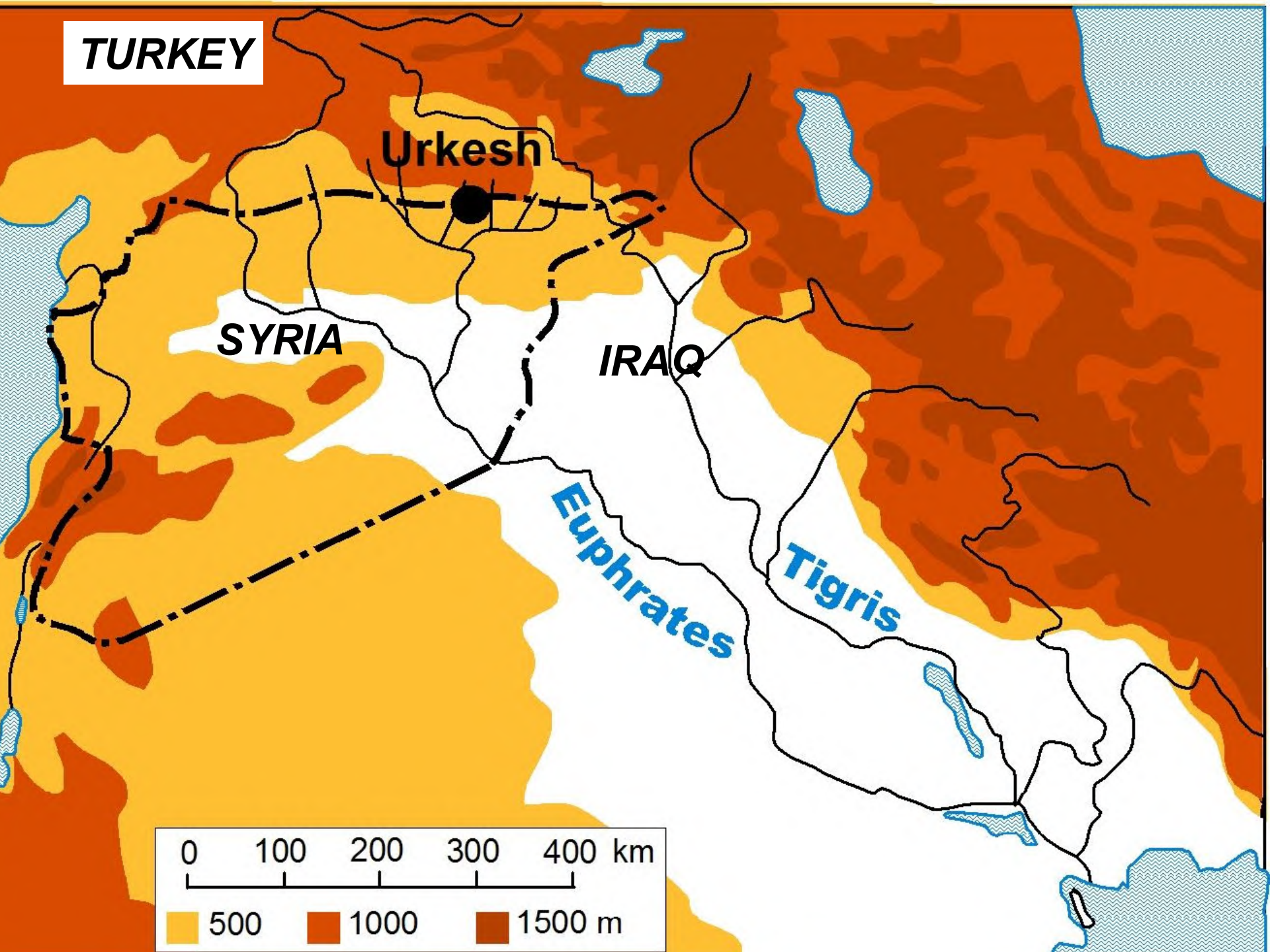
IRAQ

Euphrates

Tigris

0 100 200 300 400 km

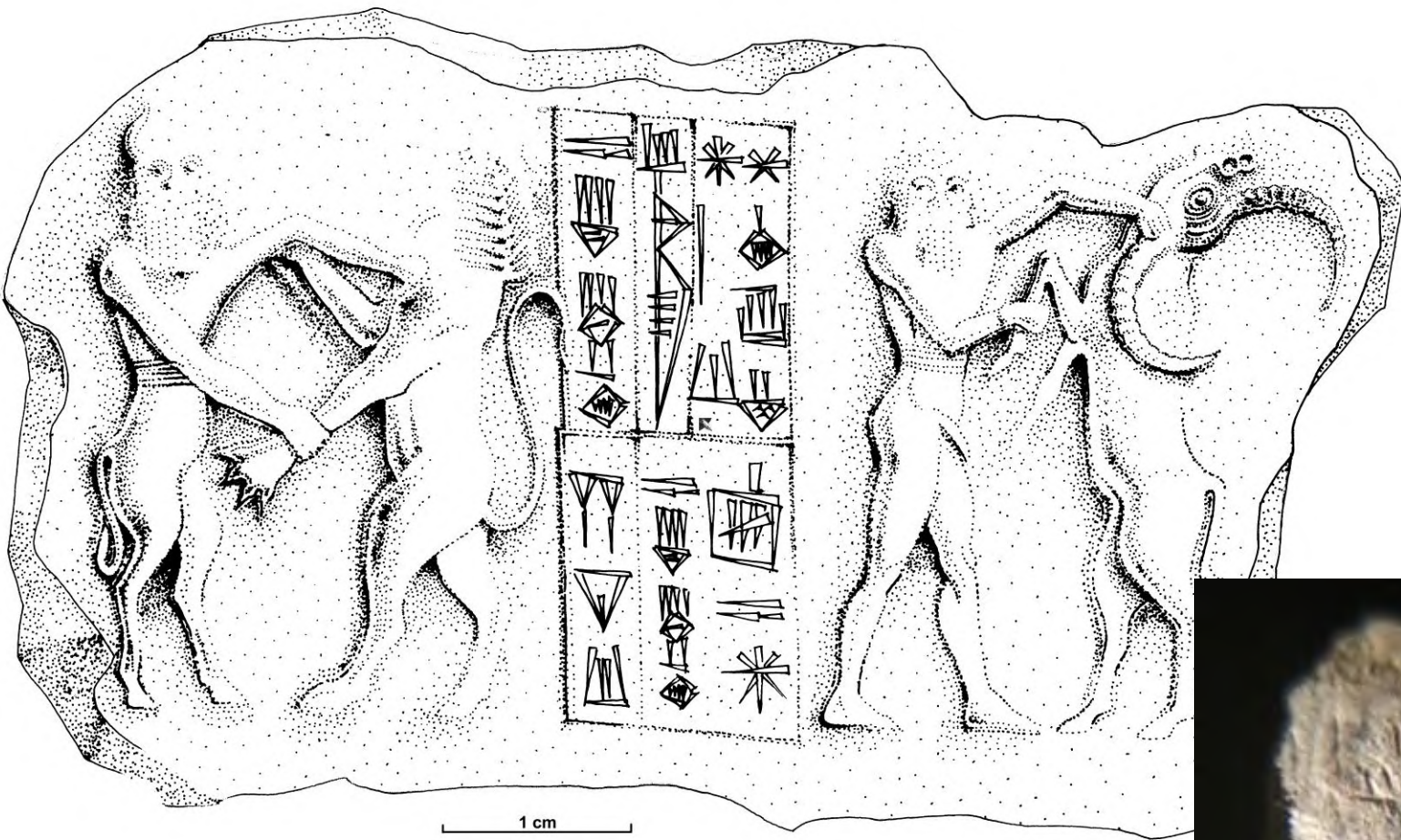
500 1000 1500 m





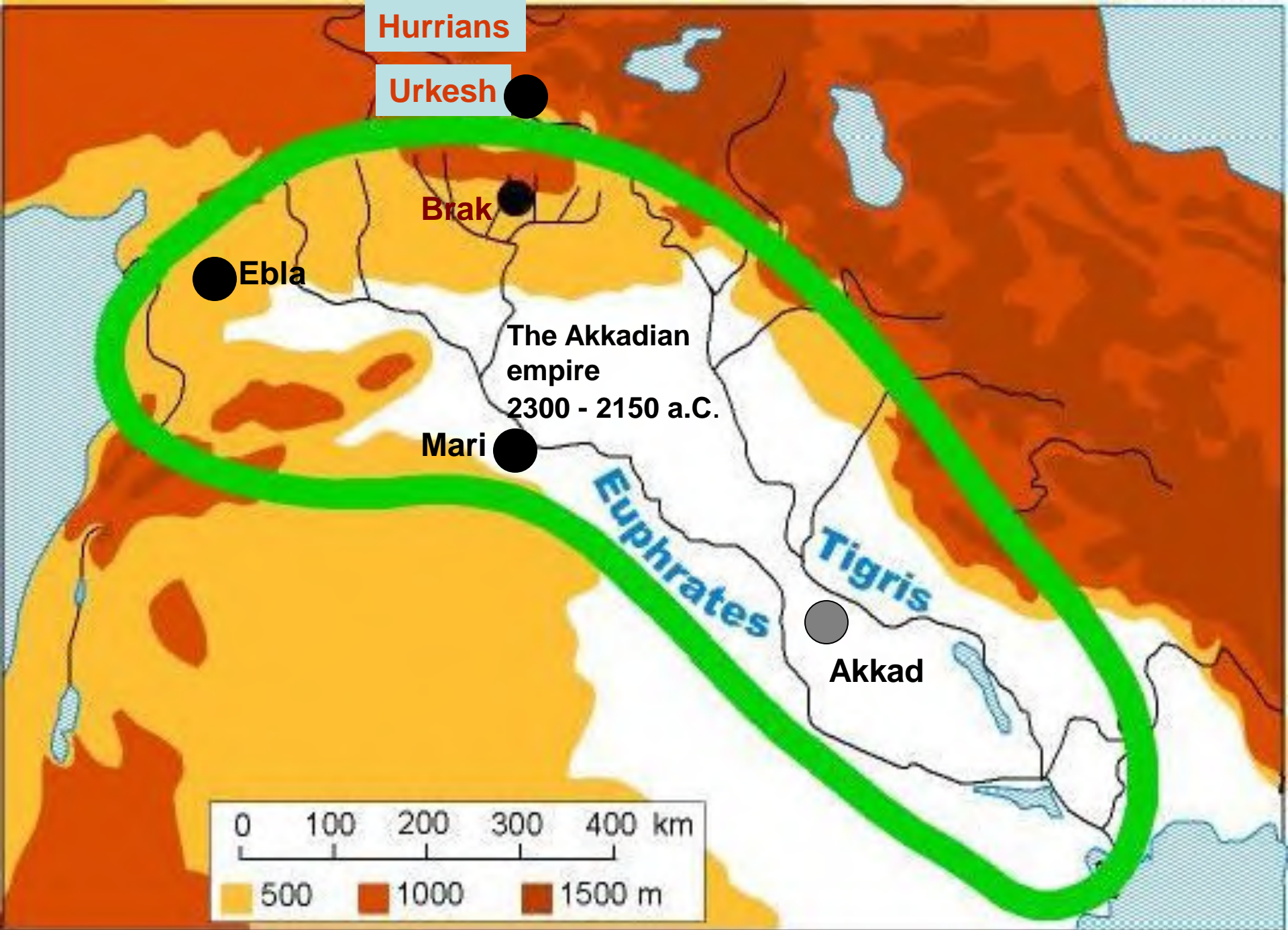






seal of
Tar'am-Agade
daughter of Naram-Sin,
king of Agade





General Intro
[Urlesh website](#)
[Mozaan sitewide](#)
[preface](#)
[contents](#)
[acknowledgments](#)
[index](#)

DIGITAL
[browser edition](#)
[page layout](#)
[linear/polyhedral](#)
[digital reading](#)

THE SETTING

Mozaan sitewide
[preface](#)
[introduction](#)
[staff](#)
[input](#)
[index](#)

[topography](#)
[stratigraphy](#)

[architecture](#)
[objects](#)

[conservation](#)

Sitewide tabulations
[Introduction](#)
[Indices](#)
[installations](#)
[objects](#)
[Frequencies](#)

Cybernetica Mesopotamica
 Urkesh Global Record

Mozaan sitewide

All seasons

Giorgio Buccellati



Global Record
[home](#)
[Cybernetica Mes.](#)
[UGR: overview](#)
[Grammar](#)
[data](#)
[presentation](#)
[input](#)

[constituents](#)
[const. synopsis](#)
[main roster](#)
[sec. roster](#)
[main lexicon](#)
[sec. lexicon](#)

Individual operations

AREAS
[AA: palace](#)
[JP: plaza](#)

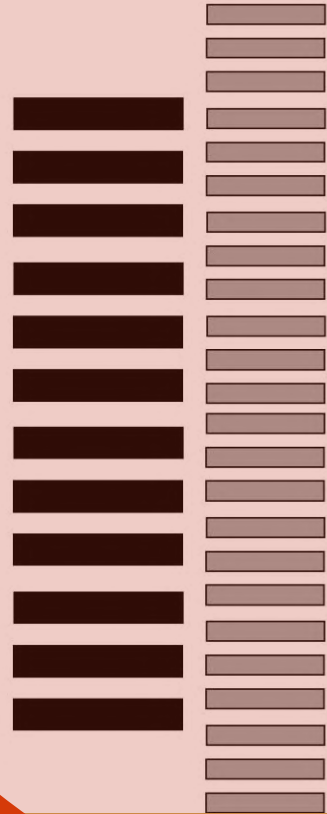
UNITS
[A14: lower sacral area](#)
[A16: paved court \(SW\)](#)
[J1: wall bend](#)
[J2: staircase](#)
[J3: inside of wall](#)
[J4: east of staircase](#)

Theory (G. Buccellati)

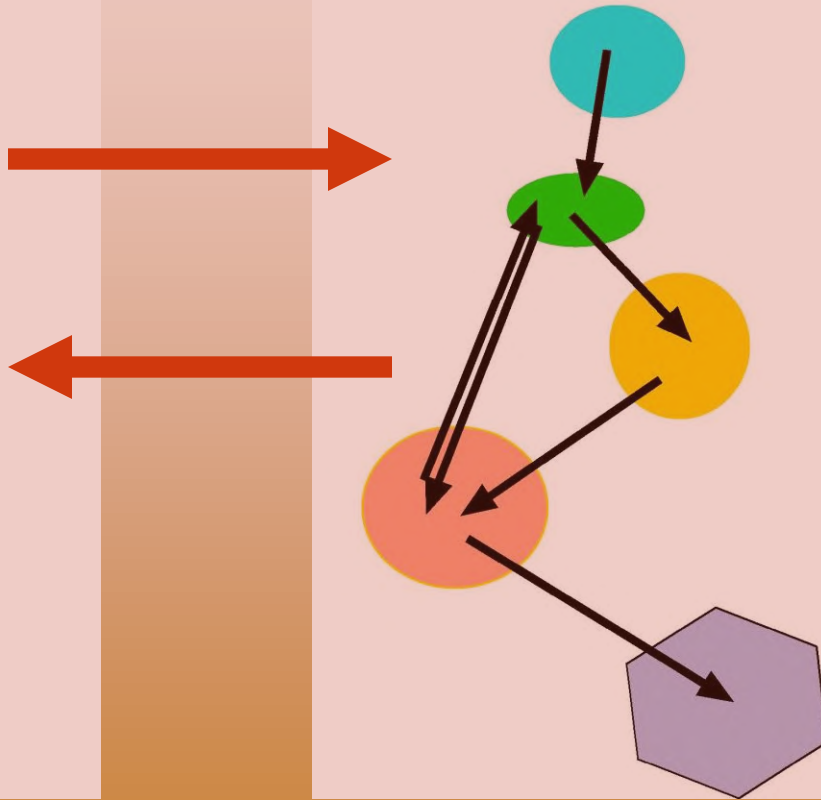
1. Focus on emplacement
2. Atomistic observations > Global Record
3. The notion of a grammar
4. Databases and narratives > Browser Edition

Browser Edition

Database
(ordered juxtaposition)



Discursive argument
(sequential linearity)



Theory (G. Buccellati)

1. Focus on emplacement
2. Atomistic observations > Global Record
3. The notion of a grammar
4. Databases and narratives > Browser Edition
5. The building up of the narrative
 - (a) Individual constituent

General Intro
[J03 home](#)
[preface](#)
[contents](#)
[acknowledgments](#)
[digital](#)
[index](#)
[copyright](#)

THE SETTING

Unit J3
[OVERVIEW](#)
[chronicle](#)
[staff](#)
[input](#)

STRATIGRAPHY
[emplacement](#)
[volumetry](#)
[deposition](#)
[phases](#)
[strata](#)
[geophysical](#)

TYPOLGY
[features](#)
[architecture](#)
[objects](#)
[ceramics](#)
[glyptics](#)
[physical anthropology](#)
[natural sciences](#)

J3 tabulations
[introduction](#)
[data set](#)
[logs](#)
[indices](#)
[frequencies](#)
[correlations](#)
[ad hoc](#)

J3f59

File: \MZ\A\J03\D\F.0059.HTM
Processed on 01-24-2007
The home for this page is [J03](#)

Designation/Count

B10.DenimDescr	2005-8-28	EM	fill [Input file: P904GM.J]
B11.TxtDescr	2005-8-28	rE	Brown soil with inclusions of reddish decayed brick along the S edge and ash and charcoal in the NE corner of k104 . A conglomeration of partially burned brick was stacked in the middle of the E edge. [Input file: Q302JW1.J]



v20b

Volumetric localization

D1.Descr	2005-8-27	EM	k104 [Input file: P904GM.J]
D3.Relays	2005-8-27	rE	249 (40955 49024 - 9000 / Relay location: NW corner) [Input file: P828GM-R.J]
	2005-8-27	rE	250 (40790 48958 - 8958 / Relay location: SW corner) [Input file: P828GM-R.J]
	2005-8-27	rE	251 (40720 49131 - 8958 / Relay location: SE corner) [Input file: P828GM-R.J]
	2005-8-27	rE	252 (40887 49195 - 9000 / Relay location: NE corner) [Input file: P828GM-R.J]
D6.Elevation	2005-8-28	EM	8958 @top [Input file: P904GM.J]

Contact association

F2.1WpccContact	< covers f58 [2005-9-18 - rE - Input file: Q301JW.J]
	< sits in f60 [2005-9-18 - rE - Input file: Q301JW.J]
	< sits in f61 [2005-9-18 - rE - Input file: Q301JW.J]

Global Record in brief full presentation

- [a aggregates](#)
- [c composites](#)
- [f features](#)
- [h phases](#)
- [i items](#)
- [k loci](#)
- [n negatives](#)
- [p plots](#)
- [q lots](#)
- [qb bones](#)
- [qi q-items](#)
- [qp sherds](#)
- [r relays](#)
- [s strata](#)
- [v view photos](#)
- [w view drawings](#)
- [seq.by label](#)
- [seq.by def.](#)
- [typological](#)
- [data base](#)

- [f52](#)
- [f53](#)
- [f54](#)
- [f55](#)
- [f56](#)
- [f57](#)
- [f58](#)
- [f59](#)
- [f60](#)
- [f61](#)
- [f62](#)
- [f63](#)
- [f64](#)
- [f65](#)
- [f66](#)
- [f67](#)
- [f68](#)
- [f69](#)
- [f70](#)
- [f71](#)

Contact association

- [f27.VaseCeram](#) < covers [f58](#) [2005-9-18 - rE - Input file: Q301JW.J]
- < sits in [f60](#) [2005-9-18 - rE - Input file: Q301JW.J]
- < sits in [f61](#) [2005-9-18 - rE - Input file: Q301JW.J]
- < sits in [f62](#) [2005-9-18 - rE - Input file: Q301JW.J]
- < sits in [q98](#) [2005-8-28 - jW - Input file: P904GM3.J]
- covers >[f64](#) [2005-9-18 - rE - Input file: Q301JW.J]
- covers >[f65](#) [2005-9-18 - rE - Input file: Q301JW.J]
- covers >[f96](#) [2005-9-18 - rE - Input file: Q301JW.J]

Time sequencing

I1.Stratum	2006-5-3	iW	s70-JPA [Input file: Q503JW1.J]
I3.Phase to which stratum belongs	2006-5-3	iW	h1-JPA [Input file: Q503JW1.J]
I10.Stratigraphic reasons	2006-4-26	iW	Under packing f58 [Input file: Q426JW.J]
I12.Other reasons	2006-4-26	iW	Part of compacted fill forming temple mound bounded by wall f11 . [Input file: Q426JW.J]
I99.NTime	2006-4-26	iW	1 [Input file: Q426JW.J]
	2006-4-26	iW	70 [Input file: Q426JW.J]

Descriptive

K6.Color#	2005-8-28	rM	pale brown [Input file: P904GM.J]
K6.Color#	2005-8-28	rM	10YR 6/3 [Input file: P904GM.J]
K99.NTypol	2005-9-15	mKB	only three body sherds from this feature, 2 are certainly Late Chalcolithic but the 3rd is unclear. [Input file: P915MKB3.J]

Analogical record



General Intro
[J03 home](#)
[preface](#)
[contents](#)
[acknowledgments](#)
[digital](#)
[index](#)
[copyright](#)

Unit J3
[OVERVIEW](#)
[chronicle](#)
[staff](#)
[input](#)

STRATIGRAPHY
[emplacement](#)
[volumetry](#)
[deposition](#)
[phases](#)
[strata](#)
[geophysical](#)

TYPOLGY
[features](#)
[architecture](#)
[objects](#)
[ceramics](#)
[glyptics](#)
[physical anthropology](#)
[natural sciences](#)

J3 tabulations
[introduction](#)
[data set](#)
[logs](#)
[indices](#)
[frequencies](#)
[correlations](#)
[ad hoc](#)

Global Record
[in brief](#)
[full presentation](#)

[a aggregates](#)
[c composites](#)
[f features](#)
[h phases](#)
[i items](#)
[k loci](#)
[n negatives](#)
[p plots](#)
[q lots](#)
[qb bones](#)
[qi q-items](#)
[qp sherds](#)
[r relays](#)
[s strata](#)
[v view photos](#)
[w view drawings](#)
[seq. by label](#)
[seq. by def.](#)
[typological](#)
[data base](#)

[I2](#)
[f53](#)
[f54](#)
[f55](#)
[f56](#)
[f57](#)
[f58](#)
[f59](#)
[f60](#)
[f61](#)
[f62](#)
[f63](#)
[f64](#)
[f65](#)
[f66](#)
[f67](#)
[f68](#)
[f69](#)
[f70](#)
[f71](#)

Contact association

F2.TypeContact

< covers f58 [2005-9-18 - rE - Input file: Q301JW.J]

< sits in f60 [2005-9-18 - rE - Input file: Q301JW.J]

< sits in f61 [2005-9-18 - rE - Input file: Q301JW.J]

< sits in f62 [2005-9-18 - rE - Input file: Q301JW.J]

< sits in q98 [2005-8-28 - jW - Input file: P904GM3.J]

covers > f64 [2005-9-18 - rE - Input file: Q301JW.J]

covers > f65 [2005-9-18 - rE - Input file: Q301JW.J]

covers > f96 [2005-9-18 - rE - Input file: Q301JW.J]

Theory (G. Buccellati)

1. Focus on emplacement
2. Atomistic observations > Global Record
3. The notion of a grammar
4. Databases and narratives > Browser Edition
5. The building up of the narrative
 - (a) Individual constituent
 - (b) Hyperlinking across constituents

J3 - Microsoft Internet Explorer - TELE2Internet

Z:\MZ\A\J03\UGR\FRAME.HTM


File Edit View Favorites Tools Help

Page Tools

J3f58

File: \MZ\A\J03\D\F\0058.HTM
 Processed on 01-24-2007
 The home for this page is [J03](#)

Designation/Count

B10.Definition	2005-8-27	rE	~packing [Input file: P904GM.J]
B11.TxtDescr	2005-8-27	rE	Layer of compacted local virgin soil known as bakhia throughout locus k104 . It is reddish in color with small inclusions of whitish material identified as limestone by visiting geologist, Dr. Christian Fischer. [Input file: Q302JW1.J]
B12.GraphicDescr	2006-4-20	Jw	 v19a

Volumetric localization

D1.Locus	2005-8-27	rE	k104 [Input file: P904GM.J]
D3.Relays	2005-8-27	rE	245 (40887 49190 - 8983 / Relay location: NE corner) [Input file: P828GM-R.J]
	2005-8-27	rE	246 (40723 49119 - 9024 / Relay location: SE corner) [Input file: P828GM-R.J]
	2005-8-27	rE	247 (40786 48960 - 8963 / Relay location: SW corner) [Input file: P828GM-R.J]
	2005-8-27	rE	248 (40961 49024 - 8963 / Relay location: NW corner) [Input file: P828GM-R.J]
D6.Elevation	2005-8-27	rE	8958 @bottom [Input file: P904GM.J]
	2005-8-27	rE	9024 @top [Input file: P904GM.J]

Contact association

F2.TypeContact	< covers f57	[2005-9-18 - rE - Input file: Q301JW.J]
	< sits in q96	[2005-8-27 - gM - Input file: P904GM3.J]

Global Record in brief full presentation

J3 Constituents

- [introduction](#)
- [incidentals](#)
- [a aggregates](#)
- [c composites](#)
- [f features](#)
- [h phases](#)
- [i items](#)
- [k loci](#)
- [n negatives](#)
- [p plots](#)
- [q lots](#)
- [qb bones](#)
- [qi q-items](#)
- [qp sherds](#)
- [r relays](#)
- [s strata](#)
- [v view photos](#)
- [w view drawings](#)

[f54](#)
[f55](#)
[f56](#)
[f57](#)
[f58](#)
[f59](#)
[f60](#)
[f61](#)
[f62](#)
[f63](#)
[f64](#)
[f65](#)
[f66](#)
[f67](#)
[f68](#)
[f69](#)
[f70](#)
[f71](#)
[f72](#)
[f73](#)

My Computer 100%

Contact association

- [F2.TypeContact](#)
- < covers [f58](#)
- < sits in [f60](#)
- < sits in [f61](#)
- < sits in [f62](#)
- < sits in [q98](#)
- covers > [f64](#)
- covers > [f65](#)
- covers > [f96](#)

General Intro

- [J03 home](#)
- [preface](#)
- [contents](#)
- [acknowledgments](#)
- [digital](#)
- [index](#)
- [copyright](#)

THE SETTING

Unit J3

- [OVERVIEW](#)
- [chronicle](#)
- [staff](#)
- [input](#)

STRATIGRAPHY

- [emplacement](#)
- [volumetry](#)
- [deposition](#)
- [phases](#)
- [strata](#)
- [geophysical](#)

TPOLOGY

- [features](#)
- [architecture](#)
- [objects](#)
- [ceramics](#)
- [glyphics](#)
- [physical anthropology](#)
- [natural sciences](#)

J3 tabulations

- [introduction](#)
- [data set](#)
- [logs](#)
- [indices](#)
- [frequencies](#)
- [correlations](#)
- [ad hoc](#)



Contact association

- F2.TypeContact
- < covers [f58](#)
- < sits in [f60](#)
- < sits in [f61](#)
- < sits in [f62](#)
- < sits in [q98](#)
- covers > [f64](#)
- covers > [5](#)
- covers > [196](#)

J3 - Microsoft Internet Explorer - TELE2Internet

Z:\MZ\A\J03\UGR\FRAME.HTM

File Edit View Favorites Tools Help

J3

J3f58

File: \MZ\A\J03\D\F\0058.HTM
Processed on 01-24-2007
The home for this page is [J03](#)

General Intro
J03 home
preface
contents
acknowledgments
digital
index
copyright

Global Record
in brief
full presentation

J3 Constituents
introduction
incidentals

J3 - Microsoft Internet Explorer - TELE2Internet

Z:\MZ\A\J03\UGR\FRAME.HTM

File Edit View Favorites Tools Help

J3

J3f64

File: \MZ\A\J03\D\F\0064.HTM
Processed on 01-24-2007
The home for this page is [J03](#)

General Intro
J03 home
preface
contents
acknowledgments
digital
index
copyright


Unit J3
OVERVIEW
chronicle
staff
input

STRATIGRAPHY
emplacement
volumetry
deposition
phases
strata
geophysical

TYPOLGY
features
architecture
objects
ceramics
glyptics
physical anthropology
natural sciences

J3 tabulations
introduction
data set
logs
indices
frequencies
correlations
ad hoc

Designation/Count

B10.Definition	2005-8-31	fE	layer [Input file: P904GM.J]
B11.TxtDescr	2005-8-29	IW	Lens of ashy material with well defined boundaries found in the NW quarter of k104 . In the far NE corner, it is level and sealed with a layer of bakhia. As one proceeds to the east and to the south, the elevation diminishes, but one can trace the horizontal border easily as one moves away to the south. At this point it seems as if the burial was placed in clean fill, f59 , laid atop the compacted ash. [Input file: Q302JW2.J]
B12.GraphicDescr	2006-4-20	jw	 v28

Volumetric localization

D1.Locus	2005-8-31	fE	k104 [Input file: P904GM.J]
D3.Relays	2005-8-31	eM	279 (40966 49023 - 8979 / Relay location: NW point 1) [Input file: P902RE1R.J]
	2005-8-31	eM	280 (40942 49082 - 8979 / Relay location: N point 2) [Input file: P902RE1R.J]
	2005-8-31	eM	281 (40909 49119 - 8951 / Relay location: NE point 3) [Input file: P902RE1R.J]
	2005-8-31	eM	282 (40893 49101 - 8951 / Relay location: E point 4) [Input file: P902RE1R.J]
	2005-8-31	eM	283 (40869 49112 - 8944 / Relay location: far E point 5) [Input file: P902RE1R.J]
	2005-8-31	eM	284 (40837 49117 - 8944 / Relay location: arc 1 point 6) [Input file: P902RE1R.J]
	2005-8-31	eM	285 (40857 49064 - 8944 / Relay location: arc 2 point 7) [Input file: P902RE1R.J]
	2005-8-31	eM	286 (40896 48999 - 8944 / Relay location: arc 3 point 8) [Input file: P902RE1R.J]
	2005-8-31	eM	287 (40954 49052 - 8979 / Relay location: NW point 1) [Input file: P902RE1R.J]

Global Record
in brief
full presentation

J3 Constituents
introduction
incidentals
a aggregates
c composites
f features
h phases
i items
k loci
n negatives
p plots
q lots
qb bones
qi q-items
qp sherds
r relays
s strata
v view photos
w view drawings

[f64](#)
[f65](#)
[f66](#)
[f67](#)
[f68](#)
[f69](#)
[f70](#)
[f71](#)
[f72](#)
[f73](#)
[f74](#)
[f75](#)
[f76](#)
[f77](#)
[f78](#)
[f79](#)
[f80](#)
[f81](#)
[f82](#)

Theory (G. Buccellati)

1. Focus on emplacement
2. Atomistic observations > Global Record
3. The notion of a grammar
4. Databases and narratives > Browser Edition
5. The building up of the narrative
 - (a) Individual constituent
 - (b) Hyperlinking across constituents
 - (c) The higher nodes

- home
- preface
- contents
- acknowledgments
- digital
- index
- copyright
- THE SETTING
- plaza JP
- the site
- the region
- Unit J3
- OVERVIEW
- chronicle
- staff
- input
- STRATIGRAPHY
- emplacement
- volumetry
- deposition
- phases
- strata
- geophysical
- TYPOLGY
- features
- architecture
- objects
- ceramics
- glyptics
- physical anthropology
- natural sciences
- data set
- logs
- indices
- frequencies
- correlations
- ad hoc
- strat summaries
- sitewide

		f33 covers f83 covers f84 covers J3f34 covers f38	f34 covers J3f38 covers f42 covers f50 covers f70 covers f90	f38 covers J3f42 covers f50	f50 covers f89 sits in f92 sits in J3f57 covers f38	f58 covers f60 sits in f61 sits in J3f59 covers f64 covers f65 covers f96	f96 covers J3f71 covers f73 covers f74	f71 covers J3f73 covers f74	f73 covers f93 covers	f38 covers J3f90 covers f50	J3f92 sits in:
	burial	J3f60 sits in f59									
	stone	J3f66 abuts f67 bonds with f11	f66 abuts J3f67 bonds with f11	J3f68 bonds with f111	f72 covers f79 abuts J3f78 abuts f79	f72 covers f78 abuts J3f79 abuts f78					
	brick	J3f62 sits in f59	f33 covers f83 abuts J3f84 covers f34 abuts f83								
	accumulation	f38 covers f69 sits in f11 abuts J3f70 abuts f11									
	accumulation C	J3f69 sits in f70									
	layer	f59 covers f65 abuts J3f64 covers f95	f59 covers J3f65 abuts f64								
	packing	f9 covers J3f32 covers f11	f9 covers J3f51 covers f11	f57 covers J3f58 covers f59	f11 abuts J3f80 bonds with f11	f33 covers f84 abuts J3f83 covers f34 abuts f84	J3f89 sits in f57	f59 covers J3f96 covers f71			
	?b	J3f61 sits in f59									

s70 h1 fill

J3f59

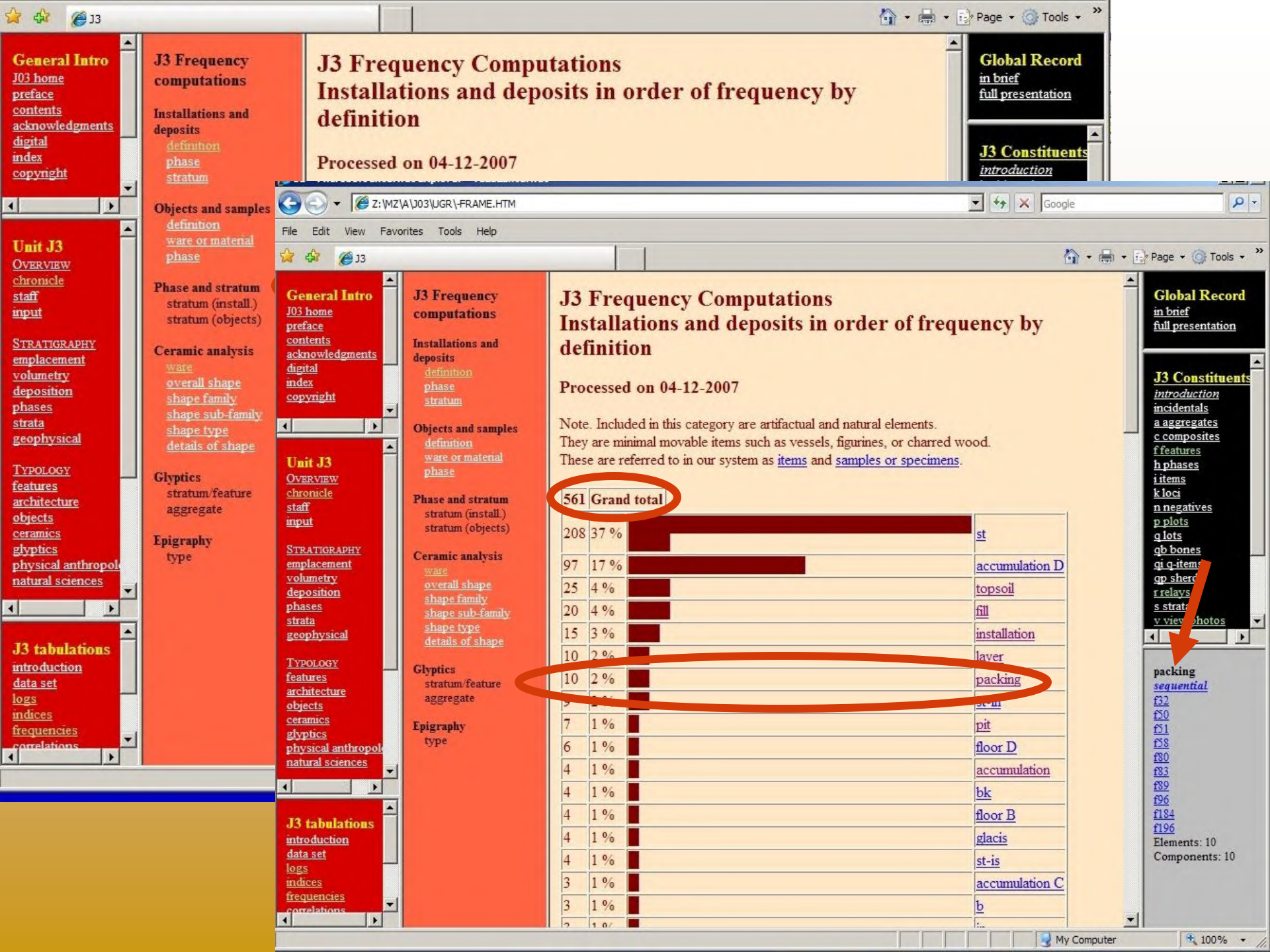
layer

Global Record
in brief
full presentation

J3 Constituent

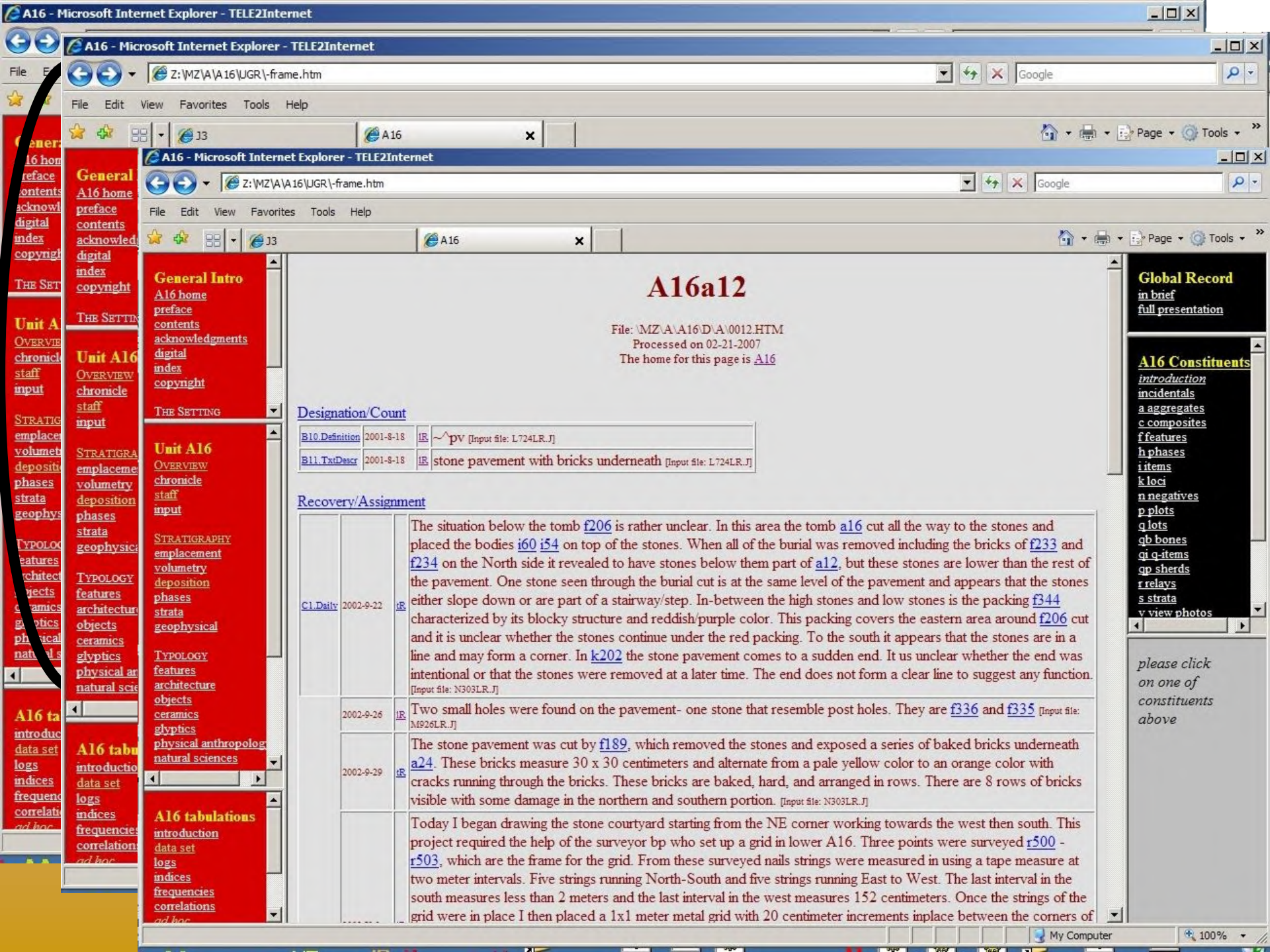
- introduction
- incidentals
- a aggregates
- c composites
- f features
- h phases
- i items
- k loci
- n negatives
- p plots
- q lots
- qb bones
- qi q-items
- qp sherds
- r relays
- s strata
- v view photos
- w view drawings

- [f45](#)
- [f46](#)
- [f47](#)
- [f48](#)
- [f49](#)
- [f50](#)
- [f51](#)
- [f52](#)
- [f53](#)
- [f54](#)
- [f55](#)
- [f56](#)
- [f57](#)
- [f58](#)
- [f59](#)
- [f60](#)
- [f61](#)
- [f62](#)
- [f63](#)



Theory (G. Buccellati)

1. Focus on emplacement
2. Atomistic observations > Global Record
3. The notion of a grammar
4. Databases and narratives > Browser Edition
5. The building up of the narrative
 - (a) Individual constituent
 - (b) Hyperlinking across constituents
 - (c) The higher nodes
 - (d) The top-down frame



A16a12

File:\MZ\A\A16\D\A\0012.HTM
Processed on 02-21-2007
The home for this page is [A16](#)

Designation/Count

B10.Definition	2001-8-18	IR	~pv [Input file: L724LR.J]
B11.TxtDescr	2001-8-18	IR	stone pavement with bricks underneath [Input file: L724LR.J]

Recovery/Assignment

C1.Daily	2002-9-22	IR	The situation below the tomb f206 is rather unclear. In this area the tomb a16 cut all the way to the stones and placed the bodies i60 i54 on top of the stones. When all of the burial was removed including the bricks of f233 and f234 on the North side it revealed to have stones below them part of a12 , but these stones are lower than the rest of the pavement. One stone seen through the burial cut is at the same level of the pavement and appears that the stones either slope down or are part of a stairway/step. In-between the high stones and low stones is the packing f344 characterized by its blocky structure and reddish/purple color. This packing covers the eastern area around f206 cut and it is unclear whether the stones continue under the red packing. To the south it appears that the stones are in a line and may form a corner. In k202 the stone pavement comes to a sudden end. It is unclear whether the end was intentional or that the stones were removed at a later time. The end does not form a clear line to suggest any function. [Input file: N303LR.J]
	2002-9-26	IR	Two small holes were found on the pavement- one stone that resemble post holes. They are f336 and f335 [Input file: M926LR.J]
	2002-9-29	IR	The stone pavement was cut by f189 , which removed the stones and exposed a series of baked bricks underneath a24 . These bricks measure 30 x 30 centimeters and alternate from a pale yellow color to an orange color with cracks running through the bricks. These bricks are baked, hard, and arranged in rows. There are 8 rows of bricks visible with some damage in the northern and southern portion. [Input file: N303LR.J]
			Today I began drawing the stone courtyard starting from the NE corner working towards the west then south. This project required the help of the surveyor bp who set up a grid in lower A16. Three points were surveyed r500 - r503 , which are the frame for the grid. From these surveyed nails strings were measured in using a tape measure at two meter intervals. Five strings running North-South and five strings running East to West. The last interval in the south measures less than 2 meters and the last interval in the west measures 152 centimeters. Once the strings of the grid were in place I then placed a 1x1 meter metal grid with 20 centimeter increments in place between the corners of

Global Record

[in brief](#)
[full presentation](#)

A16 Constituents

- [introduction](#)
- [incidentals](#)
- [a aggregates](#)
- [c composites](#)
- [f features](#)
- [h phases](#)
- [i items](#)
- [k loci](#)
- [n negatives](#)
- [p plots](#)
- [q lots](#)
- [qb bones](#)
- [qi q-items](#)
- [qp sherds](#)
- [r relays](#)
- [s strata](#)
- [v view photos](#)

please click on one of constituents above

General

- [A16 home](#)
- [preface](#)
- [contents](#)
- [acknowled](#)
- [digital](#)
- [index](#)
- [copyright](#)

Unit A16

- [OVERVIEW](#)
- [chronicle](#)
- [staff](#)
- [input](#)

Unit A16

- [OVERVIEW](#)
- [chronicle](#)
- [staff](#)
- [input](#)

Unit A16

- [OVERVIEW](#)
- [chronicle](#)
- [staff](#)
- [input](#)

Unit A16

- [OVERVIEW](#)
- [chronicle](#)
- [staff](#)
- [input](#)

Unit A16

- [OVERVIEW](#)
- [chronicle](#)
- [staff](#)
- [input](#)

Overview of Unit A16

Ceramics from Unit A16

November 2005 - M. Kelly-Buccellati
The home for this page is [A16](#)

[Methodology](#)
[Chronological implications](#)
[Wares and function](#)
[Shapes and function](#)

Methodology

The ceramics from this unit, excavated in 2 seasons (2001 and 2002) have all been analyzed in the field. This means that the ceramics from all contexts are included in this database. All body sherds were analyzed based on our site-wide descriptions of the wares found on the site. If these sherds are decorated then they are described according to codes established for decoration technique and design elements. The shapes are categorized through comparison with a basic shape catalog containing 150 types (and a number of variations) covering all the major shapes made during the time periods the site was in use. When only the rim is found and the vessel shape cannot be determined from it, then these rims are categorized through a catalog of rim types; the same is true for bases. While we have very few handles in the time periods represented at the site, we do have a catalog of handle types also.

[Back to top](#)

Chronological implications

It is important that these analysis categories are site-wide and, even more importantly, that they cover all chronological periods since depositional factors effect both the primary and secondary emplacement? of the ceramics. So for instance, earlier sherds are brought up into later strata through a variety of factors including the digging of pits, burials, drainage systems, etc. and production activities such as the construction of kilns and holding tanks associated with pottery making. It has become clear in the last few years that two other important factors are influential in this regard also. Ceramics from earlier periods can be retained out of an "antiquarian" interest in the past. While this is not an important factor statistically its occurrence may skew thinking about the chronological position of specific features. Another influential factor, more prevalent statistically, is the imitation of previously made pottery that had already gone out of style. The imitation can include both wares and shapes.

[Back to top](#)

Wares and function

General Intro
[A16 home](#)
[preface](#)
[contents](#)
[acknowledgments](#)
[digital](#)
[index](#)
[copyright](#)

THE SETTING

Unit A16
[OVERVIEW](#)
[chronicle](#)
[staff](#)
[input](#)

STRATIGRAPHY
[emplacement](#)
[volumetry](#)
[deposition](#)
[phases](#)
[strata](#)
[geophysical](#)

TYPOLGY
[features](#)
[architecture](#)
[objects](#)
[ceramics](#)
[glyptics](#)
[physical anthropology](#)
[natural sciences](#)

A16 tabulations
[introduction](#)
[data set](#)
[logs](#)
[indices](#)
[frequencies](#)
[correlations](#)
[ad hoc](#)

Global Record
in brief
[full presentation](#)

A16 Constituents
[introduction](#)
[incidentals](#)
[a aggregates](#)
[c composites](#)
[f features](#)
[h phases](#)
[i items](#)
[k loci](#)
[n negatives](#)
[p plots](#)
[q lots](#)
[qb bones](#)
[qi q-items](#)
[qp sherds](#)
[r relays](#)
[s strata](#)
[v view photos](#)

please click on one of constituents above

Theory (G. Buccellati)

1. Focus on emplacement
2. Atomistic observations > Global Record
3. The notion of a grammar
4. Databases and narratives > Browser Edition
5. The building up of the narrative
 - (a) Individual constituent
 - (b) Hyperlinking across constituents
 - (c) The higher nodes
 - (d) The top-down frame
6. Conclusion

Record (F. Buccellati)

Stratigraphy (J. L. Walker)

Typology (M. Kelly-Buccellati)

Comparisons (F. Xu)

[*Audience* (J. Omar)]