PETR CHARVÁT

SIGNS FROM SILENCE UR OF THE FIRST SUMERIANS

KAROLINUM



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Ur of the First Sumerians

Petr Charvát

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FOREWORD

This is a book on the early history of ancient Mesopotamia, describing the story of the Sumerian city of Ur before the well-known "Royal graves" of the 27th pre-Christian century (c. 3000–2700 B.C.).

All through my career in Assyriology and Oriental Archaeology I have been fascinated by the phenomenon of the "Royal graves" of Ur. It goes without saying that I was not alone in this; such distinguished names as Leonard (later Sir Leonard) Woolley, Max Mallowan, Agatha Christie, Sidney Smith, Hans-Jörg Nissen, Susan Pollock, Roger Moorey, Richard Zettler, Holly Pittman or Gianni Marchesi all belong to personages that were, in one way or another, involved in the excavation and interpretation of this unique source for the early history of Sumer, and at the same time fascinated by the light that these treasures of the past shed on the early history of mankind.

Only very recently did I realize with some amazement that my investigations of Early Dynastic Ur have begun more than thirty years ago (*Charvát* 1979; *Charvát* 1982; *Charvát* 1993; *Charvát* 2002; *Charvát* 2011b). However, good fortune showered mercy on me, and brought me the chance to obtain deeper knowledge of all the problems of early Ur, only after the year 2000 A.D.

My stay in the U.S., where I worked in the University Museum of Archaeology and Anthropology of the University of Pennsylvania at Philadelphia precisely on the Ur materials in 2003–2004 as a John William Fulbright fellow, opened me the door to a closer study of the Ur finds, including a firsthand experience with items from the "Royal graves" and some of the household articles that Her Majesty, Lady Puabi (or Puabum, as my learned friend and colleague Gianni Marchesi would have it) took with her on her voyage to eternity. In Philadelphia, I had the occasion to profit from the friendliness and kind help of Richard Zettler and Shannon White, of the Near Eastern Section of the abovementioned Museum. My daily pied-à-terre, however, was the Tablet Room of the Babylonian Section of the said Museum, and here I must with gratefulness acknowledge the amity and heartfelt assistance of Barry Eichler, then Director of the Babylonian Section, Steve Tinney, its present Director, Philip Jones, Fumi Karahashi, Richard Palmer, Ann Guinan and especially my very dear colleague and friend Erle Leichty.

I owe a great deal of gratitude to Holly Pittman, who spared no effort to be of assistance to me at Philadelphia, and who put me in contact with Sara Jarmer Scott, another personage to which I feel bound by gratitude. Sara has put very generously at my disposal her doctoral dissertation on the SIS sealings of Ur, in which she treated all the currently accesible materials from Ur in Philadelphia and London.

I feel deeply convinced that the key to the unravelling the mystery of the "Royal graves" phenomenon lies in our understanding of the society that produced them, and that in its historical dimension. What was this society like? Did it enjoy an assured subsistence level, or were its members living on the brink of starvation? What social structures did this society build? How did it make its decisions, who were the persons and/or institutions of authority? Did the Ur kingdom (for at that time I conceived of it as of such) merit the designation of "Oriental despotism"? What role did religion play in the public life of archaic Ur? Not until we know more about all this can an attempt to solve the mysteries guarded so well by those who went down into the "Royal graves" of Ur be succesful.

In the endeavour undertaken in this book, my attention focuses particularly on the mass of seal impressions found in what Leonard Woolley called the "Seal Impression Strata" (henceforth abbreviated as SIS) of Ur, comprised between the so-called "Jamdat Nasr cemetery" as a lower chronological margin and the extensive burial ground containing the "Royal graves" as the upper chronological margin. These sealings constitute historical sources of unique character. Their reverses supply much precious archaeological information. Bearing inscriptions, they also give historical evidence, and the images carved in them present a priceless source material of iconographic character.

Having resolved to find as comprehensive answers to these questions as can be put forward, I managed to obtain materials in Philadelphia with the help of which I intended to tackle the whole complex of problems. As I proceeded with the study, it became clearer and clearer that an important source group will have to be addressed – namely the inscriptions on the SIS sealings. This necessitated one more trip to Philadelphia, where I spent the summer of the year 2005 thanks to a grant from the American Philosophical Society, working in the Tablet Room to see through the skeleton information supplied by the inscriptions on SIS seals.

All the necessary materials being then at my disposal, I looked forward to sit down to work on them. The fate, alas, decided otherwise. Turbulences of practical life induced me to leave the Oriental Institute of the Academy of Sciences of the Czech Republic at Prague, where I had been working until the end of 2005, and to seek employment in a new and dynamic University of West Bohemia at Pilsen, which offered me a post thanks to the obligingness

of the then Head of the Department of Anthropology, Ivo Budil. After 2005, Prague reserved for me a half-post at the Faculty of Education of Charles University, and a fraction of a post in my research base of yore where I had spent my formative years as a scholar, the Archaeological Institute of the Academy of Sciences of the Czech Republic, v. v. i. I am sorry to say that this link with the "cradle" of my academic career came to an end in 2011. Putting into operation a new series of university courses, and settling down to new tasks and routines, commanded more of my time and energy than I had thought previously. Nevertheless, I could at least initiate, and bring to an end, two research projects focusing on ancient Mesopotamian history after 2005. In these we concentrated on the relations between rulers and deities of ancient Mesopotamia (Šašková-Pecha-Charvát 2010), and on connections between the rulers and the ruled in the antiquity of the Land of Two Rivers (Charvát-Maříková Vlčková 2010). At this point I have to render deeply felt thanks to my learned colleagues and friends who made all this possible by exercising themselves, often to the utmost: Lukáš Pecha, Kateřina Šašková, Petra Maříková Vlčková, and Jana Mynářová.

At a point where I nearly despaired over the heap of Ur materials lying still on my shelves, the Internationales Kolleg MORPHOMATA of the University of Cologne, Germany, appeared on the scene as if prompted by a superior force. Having been asked whether I would have anything to contribute to the MORPHOMATA research programme - Genese, Dynamik und Medialität kultureller Figurationen – I suddenly realized that here was a fair chance to rescue my Ur evidence from oblivion, and to bring my efforts, which had by then extended over eight years, finally to fruition. The project which I submitted was kindly approved by the Beirat of MORPHOMATA, and so I could happily dedicate myself to research on Ur in the hospitable and friendly ambience of the Kolleg, situated in a quiet neighbourhood abounding in greenery within the justly famous city of Köln am Rhein. Having seen the tombstones of Roman soldiers of African and Indian origin in the Römisch-Germanischen Museum of Köln, I feel sure that I have been preceded by other Oriental or Orientalist personages at Colonia Claudia Ara Agrippina. Yet, I must say that during the year 2011–2012, support extended to me by the MORPHOMATA helped me to write this book in which I render account of my efforts aimed at deepening our knowledge of the emergence, and stabilization, of statehood in human history. Again, I have to declare my debt of gratitude both to MOR-PHOMATA, especially in the persons of its both Directors, Dietrich Boschung and Günther Blamberger, as well as to my friends at home who kindly took it upon themselves to bear the burden of extra work due to my absence from Pilsen. This goes especially for *Spectabilis* Pavel Vařeka, Dean of the Philosophical Faculty of the University of West Bohemia at Pilsen, and to Daniel Křížek, my faithful Deputy Head at the Department of Near Eastern Studies

of the Philosophical Faculty of the University of West Bohemia at Pilsen; I must not forget Eva Fürbachová and especially Iveta Nocarová, the indefatigable Secretaries of our Department.

I feel obliged to thank at least three of my confratribus consororibusque pro Oriente Antiquo militantibus, though I owe much to many of these. Walther Sallaberger of the Ludwig-Maximilan-Universität München was always ready to help myself and all the Pilsen team by going to Pilsen to lecture our students, by giving expert advice and, most obligingly, by admitting us to study in the perfectly furnished Library of his Institute at München. Jean-Marie Durand of the Collège de France has kindly consented to my study visits to the Library of the Cabinet d'Assyriologie upon the venerable Mont-Sainte-Geneviève in the Quartier Latin, where so many wise men and women made their contributions to the world of learning. Giacomo Benati of the University of Turin has been kind enough to read the archaeological part of this book and add a number of valuable comments, for which I am most grateful to him.

It is right and proper that an Orientalist publication should render homage to those next-of-kin to the author. My thanks go to all my family, my sons Jan and Ondřej, daughters-in-law Lenka and Eva, grandsons Antonín, Kryštof, Václav and granddaughters Nora and Markéta. Before all, however, I am obliged to Kateřina, my wife, who had so often patiently suffered the absences of my mind from her side due to the voyages of my imagination into the third pre-Christian millennium.

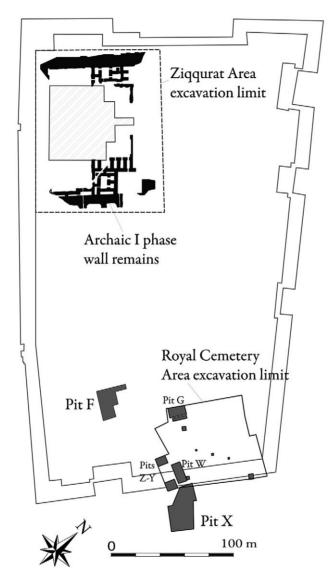
I wrote this book with help from many who have shown goodwill and amity. All the errors and inconsistencies are, of course, mine.

Acknowledgements

I was fortunate enough to be able to inspect the collections of the Near Eastern Section of the University Museum of Archaeology and Anthropology (University of Pennsylvania, Philadelphia, PA, U.S.) in 2003–2004 during my study stay in the USA, financed by a grant from the Prague establishment of the John William Fulbright Foundation (No. 2003–28-02, Fulbright No. ME659), and in 2005 thanks to a Franklin grant conferred on me by the American Philosophical Society, as well as to that of the Grant Agency of the Academy of Sciences of the Czech Republic (grant No. A8021401). For permission to study in the collections and to refer to the materials discussed above, as well as for manifold help and support, I am deeply obliged to Richard Zettler and Shannon White of the Near Eastern Section of the said University Museum of Archaeology and Anthropology, as well as to to Holly Pittman, Curator of the Near Eastern Section of the said University Museum of Archaeology and Anthropology.

This contribution could not have been written without the generous support which I received in the academic year 2011–2012 as a Fellow of the Internationales Kolleg MORPHOMATA (Universität zu Köln, Germany). I am profoundly grateful to MORPHOMATA, to their Directors Dietrich Boschung and Günther Blamberger, and to the capable and friendly staff of this major institution of interdisciplinary research.

Cologne on Rhine and Prague, in 2012–2014. Petr Charvát The central precinct of the Sumerian city of Ur, with excavation pits of the Leonard Woolley expedition



Benati 2015, Fig. 2 p. 4.

I. ARCHAEOLOGY: LIGHT OUT OF THE SHADOWS OF PAST AGES?

The formation of "primary states" during the 4th millennium BC (or Late Uruk period) is a key time for societal change in southern Mesopotamia. The onset of the 3rd millennium BC offers evidence of different socio-economic dynamics that, however, remain largely unknown.

The site of Tell al-Muqayyar, ancient Ur, in southern Iraq, is best known for its late Early Dynastic "Royal Cemetery" (ca. 2500–2350 B.C.) but it had already been a political center at the onset of the 3rd millennium (Early Dynastic I period, ca. 2900–2700 BC). Due to the rich archaeological evidence at our disposal, Ur is an ideal test case for analysis of the stabilization of the freshly formed Mesopotamian statehood for this specific time period. This book addresses the internal economic and political organization, as well as spiritual orientation and achievement, of archaic Ur. Emphasis is placed here upon the interplay between economic and socio-cultural actions, analyzed on the basis of three main lines of evidence: archaeology, written sources and iconographic data.

Excavating within the central sacred precinct of the city, the Leonard Woolley expedition (1922–1934) explored also the archaeological strata below the famous "Royal Cemetery", but above the so-called "Jemdet Nasr cemetery" (see below). These strata have yielded alternate layers of both domestic and administrative refuse including numerous find groups of seal impressions on clay, referred to as "Seal-impression strata" (SIS).

The seal-impression bearing strata constitute an ideal source category for the investigation of economic, administrative, social and spiritual structures streamlining the life of one of the major successor states of the Uruk-age culture. The analysis of the inscriptions borne by the sealed surfaces will give fairly instructive data for the use and socio-economic context of the relevant seals. On the other hand, impressions which the sealed objects left behind on the reverses of the clay sealings will reveal the type of seal carrier, and thus provide first-rate evidence of social and administrative practices of the relevant period. Inscribed seal impressions excavated from reasonably well-dated contexts will thus offer a historian the best possible material for studies of the socially engineered goods-exchange practices available.

Any qualified assessment of the find context of the early Ur sealings (published as *UE III*, on the find context see Woolley, in *UE III* pp. 1–2, and *Woolley*

1955, passim; for recent revisions of the situation see Sürenhagen 1999 and Dittmann 2006) must begin with the review of their stratigraphic situation. This is what must be examined at first.

The best-informed source is, of course, the author of the excavation himself, Leonard Woolley. Let us hear what he has to say:

The upper levels containing graves of the Royal Cemetery age had been dug away by us in 1926; in them there was no stratification¹, owing to the disturbance of the soil by the grave-diggers, and our work has always stopped short at a stratum – the first recognisable as such – of red burnt brick earth and broken brick, pottery, etc. This is SIS 4-5, the stratum rich in clay jar-stoppers with archaic seal-impressions (Ur Excavations, Vol. III) which underlies much of the cemetery and is invaluable as giving a terminus post quem for the graves (v. Ur Excavations, Vol. II p. 222).

Below this the strata, sloping sharply down with the fall of the rubbish as dumped here from the town, are remarkable well defined.

A band of light earth, one of dark soil, a grey belt containing much lime, light earth,

dark again and

light succeed one another;

then comes a belt of red burnt earth containing seal impressions and pottery, and a lime belt also rich in seal-impressions and broken sherds, labelled on the section as SIS 6;

a heavy bed of black mixed rubbish in the upper part especially of which there were more seal-impressions is SIS 7.

Another layer of burnt earth separated this from the next rubbish-mass which thanks to the presence of liberal admixture of burnt matter was itself rather red in colour; it contained very few seal-impressions (SIS 8) but was really distinguished by the common occurrence of clay goblets of the peculiar type JN.25 which were not normally found above this stratum of below it; at the same level were found (in a black streak running through the red) part of a "mixing bowl" of rough clay, Type RC.1, a clay disk with a hole towards one edge, a rough clay figurine of an animal,

Here my learned friend and colleague Giacomo Benati of the University of Turin, who had been kind enough to read the manuscript version of this publication, adds a note of caution. In his opinion, the excavators fully understood the stratification of the cemetery only during the 1930–1931 field campaign, looking at the exposed sections (see *Woolley 1934*, Pl. 9a). This must have been due to the excavation methods of the time. However, the examination of the original records allows the observation that strata were often recognized and distinguished even during the excavation of the tombs. Giacomo Benati is now working on these details with the aim of building a better stratigraphy of the cemetery.

part of a limestone bowl, Type JN.11, and a rubbing-stone,; at 7.50 m was a clay goblet of Type JN.25 (Woolley 1955, 79–80).

Leonard Woolley obviously included the SIS 8-4 into the earlier stage of his *Planoconvex Brick Period* and ascribed the accumulation of SIS 5-4 to the time of building layer E in his Pit F, assigning the underlying building layer F to his *Jamdat Nasr Period*. In general, he seems to have supposed that this whole band of strata came into being over a relatively short time (*Sürenhagen* 1999, 180), a proposition to which Dietrich Sürenhagen agrees (*Sürenhagen* 1999, 207).

Dietrich Sürenhagen observes, probably with reason, that the SIS 4-5 stratum probably represents rubbish layers dumped from a higher-lying settlement, and that from NW to SE and to NE. He has also noticed that SIS 7 is directly overlying SIS 8, the latter documented only in Pit Z where it tapers off (Sürenhagen 1999, 180).

Except the above-cited publications and comments, several other authors have recently commented on the finds of the sealings of archaic Ur of the incipient third millennium B. C. and their archaeological context. These include Richard Zettler (1989), Reinhard Dittman (2006, 38-39), and Nicolò Marchetti (2006, 71-83, esp. pp. 72-76; the book is now available in English as Marchesi-Marchetti 2011, as Giacomo Benati tells me). Their assessments bring arguments for dating the SIS 8, (and possibly also SIS 7?), layers into the early ED-I; indeed, all the SIS 8-4 strata have been recently dated into ED-I (Marchesi-Marchetti 2011, 54, reference courtesy Giacomo Benati). Layer(s) SIS 7 and 6 are supposed to relate to the latest graves of the "Jemdet Nasr cemetery", still within the ED-I age. Dietrich Sürenhagen argues that the SIS 7 underlies these interments (Sürenhagen 1999, 186), and that the SIS 6 accumulated over them (Sürenhagen 1999, 236, and Conclusions, 242-243). The SIS 6 may thus possibly belong to the early ED-II period (Sürenhagen 1999, summarizing table on p. 250). It is then proposed that after an interval, comprising obviously a prolonged period of time, the SIS 5-4 strata were deposited (expressedly Sürenhagen 1999, table on p. 208). Dietrich Sürenhagen has dated these into the ED-II-ED-IIIa transition period (Sürenhagen 1999, summarizing table on p. 250).

On the other hand, Richard Zettler, who has investigated the pottery profiles impressed into the jar sealings of the SIS 8-4 layers, suggests a date in ED-I and/or ED-I-II (Zettler 1989, esp. p. 379).

The question is obviously a tricky one, and poses a challenge to anyone wishing to obtain more information on the archaeological context of the SIS strata². Let us see what can be done to elucidate the problems concerned.

² Again, Giacomo Benati observes that large quantities of pottery fragments from the SIS strata were not properly registered and therefore never published and discussed.

WOOLLEY'S PIT F AND THE SIS

As for the Pit F, brought into connection with the SIS by Leonard Woolley, the abovementioned layer E is the very first in which planoconvex bricks³ do appear at Ur, following the earlier predominance of rectangular bricks (Sürenhagen 1999, 190). The general plan of the building layout, two structures set apart by a narrow lane, is not, however, affected in any manner, continuing from at least the time of stratum H (Woolley 1955, Pl. 75; Sürenhagen 1999, 205). A similar change from rectangular to planoconvex bricks has been observed in the case of two phases of a "house" between the terrace wall of Woolley's Pit G and RT 777, which clearly represent the earliest phase of structures built within the gradually accumulating rubbish strata (Woolley 1955, Pl. 72; Sürenhagen 1999, 207). In other words, with the onset of SIS 4-5 we are moving within an (how?) early phase of ED-I⁴.

The hallmark of the incipient Early Dynastic pottery tradition, the solid-footed goblet, appeared as early as stratum H here (Sürenhagen 1999, 192), though Reinhard Dittman, leaning on the original assessment of Leonard Wooley, puts the floruit of the solid-footed goblets to the local layer G (Dittmann 2006, 34). In layer E it was already missing⁵, with reserved-slip ware and occasional occurrence of items with haematite-coloured slip, of black ware and of pottery decoration by deep triangular notches (gashed ornament) and by rope-moulded ridges on shoulders (Sürenhagen 1999, 205). The pottery vessels with fenestrated (openwork) ornament found here do nevertheless show that we are still moving within the solid-footed goblet phase of Early Dynastic pottery (Sürenhagen 1999, 207).

Dietrich Sürenhagen has also noticed parallels among the finds from SIS 8-4 and Pit F. The mass presence of solid-footed goblets in SIS 8 implies a correlation with terminal stratum H and stratum G of Pit F. Bored diorite lids of black diorite and pottery rattles link SIS 7-6 with Pit F stratum F, possibly even with stratum G (Sürenhagen 1999, 207).

Reviewing the evidence of the Ur Pit F, Reinhard Dittmann sees the peak occurrence period of the solid-footed goblets in the local strata H and G (and in SIS 8), equalling these layers with Nippur Inanna XI-X. For him, SIS 7-6 then fit into the time of F and E layers in Pit F and Nippur Inanna X-IX. In their turn, the SIS 5-4 (with the archaic texts of Ur) fall within the stage

³ Giacomo Benati notes that brick types are no longer considered a period marker. But my other learned friend and colleague, Martin Sauvage (CNRS, France), believes that they have not lost their chronological value altogether. Here I leave the decision to the discretion of my readers.

⁴ Giacomo Benati thinks that SIS 4-5 represent a very late ED-I phase, and that Harriet Martin may be right in dating part of the SIS 4-5 to the ED-II on stylistic criteria.

⁵ The revision of the Ur records has led Giacomo Benati to the conclusion that solid-footed goblets turned up both in Level H and G, being no longer present in Level F.

delimited by Pit F layers E or D, i.e. perhaps to the terminal period of Nippur Inanna IX (IXB: Dittmann 2006, 39).

Dittmann also notes that the Ur and Nippur pottery evidence imply that ED-I pottery style survived longer in the south than in the north; in Ur and Nippur, ED-I style lasted for most of the period characterized by ED-I and ED-II styles in the Diyala sites (*Dittmann 2006*, 38). Dittmann observes that while most of the SIS impressions have been dated into early ED-II (in the Diyala sequence), it cannot be excluded that at least some of the motifs are older (early ED-I, and even before? *Dittmann 2006*, 39).

This author then puts the date of the earlier SIS 8-4 into ED-I-ED-II (*Ditt-mann* 2006, Tab. 1 on p. 36; see also *Matthews* 1993, 43–44, 46–47, and 49, reference courtesy Giacomo Benati).

WOOLLEY'S JAMDAT NASR CEMETERY (JNC) AND THE SIS

The group(s) of burials referred to as Jamdat Nasr Cemetery by Woolley (henceforth JNC) give(s) us a terminus post quem for the SIS strata, and must thus be taken into consideration as well. The author of the excavations takes notice of the fact that strata SIS 8 (in Pit Z) and SIS 7 (in Pit W) lie above the layer containing burials belonging to this cemetery (Woolley 1955, 76, Pls. 77 and 82). This superimposition is direct in Pit W, while a layer containing solid-footed goblets reportedly intervenes between the JNC stratum and SIS 8 in Pit Z⁶. Woolley goes on to say that the NE end of SIS 7 was disturbed by digging of graves which, however, he distinguished from the JNC, with a remark that they are later in date and consequently likely to postdate the deposition of SIS 7; according to him, most of the other JNC graves were dug before the SIS 7 stratum was formed and are necessarily older than it (Woolley 1955, 76). Pit Y has yielded information to the effect that the SIS 5-4 layer lies directly over the JNC stratum here (Woolley 1955, Pl. 82; Sürenhagen 1999, 210).

Dietrich Sürenhagen applies a considerable effort in attempting to prove that the NW sector of Pit X contains graves dug into the SIS 7, and thus postdating its deposition (Sürenhagen 1999, 210). The relevance of this interpretation depends on the identification of the SIS-7 demarcation in the SW (right-hand) side of Woolley's Pl. 77 with the bundle of thin strata running

⁶ On the strength of observations of Giacomo Benati, solid-footed goblets occurred in SIS 8, not in the layers above. He says that the thin black layer depicted within the stratification of SIS 8 contained remains of at least one bowl of type RC.1, found elsewhere in Mesopotamia in association with solid-footed goblets and some other finds. However, it is puzzling that Woolley talks about a solid-footed goblet found at 7.50 m. This would mean that at least one example of solid-footed goblets was found in SIS 7 (?, Woolley 1955, 79–80).

parallel to one another in the NE (left-hand) side of the same Plate, left of the "staircase" in its centre, which I view as by no means certain.

On the other hand, Dietrich Sürenhagen is probably right in attributing the "SIS IV–V" designation to the stratum bundle in the SW (right-hand) side of Woolley's Pl. 78 to an error and identifying this bundle with a tripartite layer sequence documented in the NE (left-hand) side of Woolley's Pl. 77. We owe him thanks for the hint that sealing *UE III*: 560, whose unmistakably Fara style has not escaped scholarly attention (*Otto 2010*, 22), might have been deposited later and its original archaeological context disturbed by grave-digging of the subsequent ED-IIIa period (*Sürenhagen 1999*, 210).

What follows out of this is that while an overwhelming majority of the JNC is superimposed by SIS 8, 7 and 5-4, a part of SIS 7-6 has been disturbed by grave-digging postdating the main JNC period (*Woolley* 1955, 76).

As to the overall chronology, Dietrich Sürenhagen puts the functional period of the JNC at about 120 years, that is, a space accommodating roughly four human generations (Sürenhagen 1999, 232). He also notices that the structuring discernible in material appurtenances of the JNC graves display a great deal of continuity and coherence (Sürenhagen 1999, 224, and 236), and opts for dating within ED-I (Sürenhagen 1999, 243, see also Forest 1983, reference courtesy Giacomo Benati).

SO WHAT?

For our purpose it is of relevance to know the length of the time period during which rubbish layers including the SIS had been dumped. The published find report offers no direct evidence on this and any conclusions can be reached by inferences only. As already observed, Woolley included the SIS 8-4 into the earlier stage of his *Planoconvex Brick Period* and ascribed the accumulation of SIS 5-4 to the time of building layer E in his Pit F, assigning the underlying building layer F to his *Jamdat Nasr period*. In general, he seems to have supposed that this whole band of strata came into being over a relatively short time (*Sürenhagen* 1999, 180), a proposition to which Dietrich Sürenhagen agrees with some hesitation (*Sürenhagen* 1999, 207).

Later authors tend to envisage a longer accumulation period for the whole sequence (*Sürenhagen* 1999, 181). This position has been argued at length by Dietrich Sürenhagen (1999, esp. pp. 182–184), who proposes dating of the SIS into the interval between ED-I and incipient ED-IIIa (*Sürenhagen* 1999, 250, Tab. 54). His opinion may be taken to conclude that

- SIS 8 and SIS 7 fall within the ED-I period, while

 SIS 5-4 are to be situated within the same period of time, but into a somewhat later subphase characterized by the transition from rectangular to planoconvex bricks, and the immediately following time⁷.

I must, however, frankly confess that I am sometimes at a loss to follow Sürenhagen's reasoning. Chiefly, it is not clear to me in what manner are the situations encountered in Woolley's Pits D and G to be conceived as shedding light on the SIS of Pits W, Y and Z. I find it difficult to heed at least one of Sürenhagen's stratigraphic interpretations, the one asserting that the terrace wall of Pit G is later than the houses between it and RT 777. Dietrich Sürenhagen uses this proposal to extend the sequence of stratigraphic events which he inserts between the *Jamdat Nasr Cemetery* (defining a *terminus post quem* of the SIS), and the SIS themselves. Stratigraphically speaking, the terrace foundation reaches roughly to the same depth as that of the earliest house, and layers covering the ruins of this house abut the terrace masonry (Woolley 1955, Pl. 72). Moreover, we should take into consideration the fact that finds from this area appear to have been substantially mixed, with a considerable quantity of them reaching back to the Ubaid-culture period (Sürenhagen 1999, 184).

In addition to this, Woolley's idealized section of this excavation sector (Woolley 1955, Pl. 72) gives limited information on the position of particular finds, especially those of epigraphic or sphragistic character. In view of the fact that we do not know whether this "terrace wall" of Pit G (Woolley 1955, Pl. 72) was built on ancient surface or whether its lowest parts were sunk into a foundation trench⁸, it is next to impossible to assess the dates of the "tablet" recorded in Woolley's Pl. 72 in a layer abutting the foundation of terrace wall, and the "tablets" recorded there between PG 1237 and PG 1332. Supposing that no foundation trench was sunk, the tablet by the terrace wall should precede in date the 1237–1332 tablets, deposited, as it would seem, long after the terrace wall vanished under the heavy rubbish strata. Yet, as we do not know precisely the history of the deposits abutting the terrace wall, I find it difficult to give any unequivocal opinion.

In general, I cannot help seeing in all these stratigraphic data the remains of a series of "houses" (if these flimsy structures deserve such a name), of which Woolley has suggested that they may even have been *store-rooms*

⁷ Probably still within late ED-I (or incipient ED-II?), see above (Marchesi-Marchetti 2011, 54), as Giacomo Benati tells me.

⁸ Giacomo Benati would consent to this assumption, but adds that according to the original records, most of the Pit-G finds have never been properly published. He feels confident, however, that a review of these materials will allow him to shed more light on the stratification of this Pit.

of a temporary nature (Woolley 1955, 71), having been built, used and deserted over short periods of time within an area of dumping rubbish, with both processes running simultaneously. As we shall see, Woolley's notion of improptu structures of short-term use will be of some relevance to the research results presented below. It is probably of relevance that very few of these "houses" supplied evidence of longer-term occupation layers. Having been active within a dump area, their builders are also likely to have disturbed the layers on which they were erecting their structures, and thus I find it difficult to base any reliable conclusions on the position of small finds visà-vis the immovable structures. Another aspect likely to be of consequence is the fact that the "house" remains are not directly superimposed over one another, but their stratigraphic position is defined by their situation over the dumped-rubbish strata, of which we do not know the pace at which they kept accumulating¹⁰. Here it must be pointed out that Dietrich Sürenhagen himself believes that the period of ten years would be sufficient for the emergence of a stratigraphic event. Commenting on Leonard Woolley's assumption that at least ten years must have elapsed between the deposition of an earliest and latest grave in a series of superimposed burials, during which the position of the earliest grave must have been forgotten, he finds this time length sehr plausibel, and notes that ... sich die Gelände durch Schuttablagerungen ständig veränderte (Sürenhagen 1999, 231 fn. 183). Admittedly, however, there is very little waterproof information to go by, and a great deal of interpretation must needs involve assumptions of speculative character.

My own impression is that of a series of shelters built within the rubbish strata, and in the course of their deposition, deserted within short periods of time, with the ruins of the earlier of them gradually covered by the garbage accumulations. In other words, instead of Dietrich Sürenhagen's stratigraphic sequence (earlier structures – later structures – administrative discards, each phase following the preceding one) I propose to view the stratigraphic record as evidence for a continuous sequence of building structures¹¹, their abandonment and dumping rubbish, all these goings-on taking place more

⁹ Giacomo Benati would agree with this, suggesting that the fact that these structures yielded remarkable bulks of administrative materials allows us to think of official buildings.

This is only partly true according to Giacomo Benati. He observes that there is evidence of superimposed reconstructions. Notably, the houses lying between PG 777 and Pit G show at least two building phases. This situation appears to be confirmed by the remains excavated near tombs PG 800 and PG 1237, characterized by two construction phases. In particular the house remains near PG 800 produced more than 2.00 m of stratification (Woolley 1955, 70).

Giacomo Benati is inclined to see this as plausible, going on to say that according to Woolley's account (*Woolley 1955*, 70), some of these structures were built before the accumulation of SIS 4-5, at some point covered by it, reconstructed above it, and then cut by Royal Cemetery tombs. This let us suppose a lifespan considerably long, roughly speaking between the ED-I and the late ED III.