One of the principal motifs of ancient Maya iconography concerns the ballgame that was practiced both locally and throughout Mesoamerica. The pervasiveness of ballgame iconography in the Maya area has been recognized for some time and has been the subject of several pioneering and insightful studies, including those of Stephen Houston (1983), Linda Schele and Mary Miller (1986:241-264), Nicholas Hellmuth (1987), Mary Miller and Stephen Houston (1987; see also Miller 1989), Marvin Cohodas (1991), Linda Schele and David Freidel (1991; see also Freidel et al. 1993:337-391), and Jeff Kowalski (1989; see also Kowalski and Fash 1991) to name a few. Considering the number of ballcourts known throughout the Maya area, as well as the many material correlates of the ballgame, including stone effigies of the protective gear worn by ballplayers (e.g., Shook and Marquis 1996), it is clear that the ballgame was of paramount importance to the pageantry, rituals, and public performance of ancient Maya rulers. As such, the number of representations of the ballgame in iconography should come as no surprise (e.g., Schele and Miller 1986:241-264; Boot 2014). In contextualising the newfound ballplayer panels of Tipan Chen Uitz (Figure 1)—discovered during the 2015 season of excavations at the site—we came to the realization that monuments depicting ballgames or ballplayers are found preferentially at sites that show some kind of interconnection and a greater degree of affinity to the kings of the Snake-head dynasty that had its seat at Calakmul in the Late Classic (see Martin 2005). This then is the idea that is proposed in this paper, and by reviewing some salient examples from a selection of sites in the Maya lowlands, we hope to make it clear that the commemoration of ballgame engagements wherein local rulers confront their overlord are characteristic of the political rhetoric that was fostered by the vassals of the Snake-head kings. The basis of such rhetoric stems from what we might call the “athletic hegemonism” of the Snake-head kings, much akin to the performance of hegemons in the Olympic games of ancient Greece or the more eccentric and hubristic Roman emperors who performed as gladiators (e.g., Scarre 1995; Golden 1998; Kyle 2007). The predilection of these monuments to commemorate ties of vassalage and fealty finds some support in the composition as well as the pairing of text and image on the panels of Tipan, which we will describe, below. To conclude, we discuss the possible connections that the ruling elite of Tipan once maintained with neighboring polities, in particular Naranjo, and what these findings imply for patterns of greater networks of allegiances with the Snake-head kings. Before this, however,
Figure 1. Map of the Maya area showing the location of Tipan Chen Uitz and other archaeological sites mentioned in the text (courtesy of Precolumbia Mesoweb Press).
we will present some background on the archaeological research that has been conducted at Tipan by the Central Belize Archaeological Survey (CBAS), as well as information concerning the discovery and context of the ballgame panels.

**Tipan Chen Uitz and the CBAS**

The archaeological site of Tipan Chen Uitz is located in the rugged karstic area known as the Roaring Creek Works, which is defined by the drainages of the Caves Branch to the east and the Roaring Creek to the west (Figure 2). In relation to modern settlements, the site of Tipan is located just 17 km south of Belmopan, the capital of Belize. Yet despite this proximity, the site was not formally reported to the authorities until 2009. Rumors of the site’s existence were already heard in the area in 1999, but it took another decade before archaeologists sought it out and located it (Andres et al. 2010). At that juncture, investigations at Tipan emerged as a major component of the CBAS project that since has investigated a series of surface and cave sites in the area (e.g., Andres et al. 2011a; Wrobel et al. 2012). Building upon the efforts of the Western Belize Regional Caves Project that operated...
in the Roaring Creek Valley between 1997 and 2001 (e.g., Awe 1998, 1999; Awe and Helmke 1998, 2007; Conlon and Ehret 1999), members of the CBAS project have subsequently expanded archaeological reconnaissance in this understudied karstic zone, identifying a variety of surface sites as well as caves and rockshelters that were of clear importance to the region’s pre-Hispanic inhabitants (Awe and Helmke 2015; Awe et al. 1998; Helmke 2009; Helmke and Wrobel 2012; Morton 2010, 2015; Wrobel et al. 2013). Surface sites recorded to date range in size from so-called isolated housemounds, to patio-focused residential clusters known as plazuelas, to large conglomerations of monumental architecture that can be classed as secondary centers and first-order central places, known also as minor centers and major centers, respectively (Willey et al. 1965; Ashmore 1981; González and Howell 2011; Helmke and Awe 2012).

The civic-ceremonial center of Tipan Chen Uitz is of particular relevance to our program of research, and is estimated—based upon a variety of criteria, including the number of buildings and their sizes, courtyard counts, the total surface area covered by monumental architecture, and the range of building types present—to be among the five largest ancient Maya sites in Belize (Andres et al. 2014; González and Howell 2011). In addition to its size and architectural complexity, Tipan is distinguished by its connection to a number of surrounding minor centers via an extensive system.

Figure 3. The monumental epicenter of Tipan Chen Uitz. The inset provides a close-up of the axial stair of Str. A-1, with the find spots of the carved monuments indicated (map by Jason González; inset by Christophe Helmke and Christopher Andres).
of causeways, or sacheob as they are locally known in Yukatek Maya (Figure 2). Tipan’s placement at the center of this configuration—resembling the spokes of a wheel—and the integrating network of roads constitute several forms of evidence that the site functioned as the head or capital of a polity centered in the Roaring Creek Works (Andres et al. 2011b).

Much of our research has been focused at the monumental epicenter of Tipan, and investigations carried out to date have confirmed initial impressions of the epicenter’s size and importance (e.g., Andres 2011). A site center mapping program undertaken by Jason J. González has revealed that the monumental epicenter extends over 5.2 ha and comprises 63 major structures (González and Howell 2011) (Figure 3). Work in the monumental epicenter of Tipan has furthermore illuminated key architectural features and suggests that the site flourished during the Late Classic period (AD 600–850) (Andres et al. 2014; Morton et al. 2014). The site’s epicenter, where recent investigations have been focused, includes seven plazas and five courtyards; five, large temple-like structures; a T-shaped ballcourt; range structures; and an acropoline palatial complex measuring more than 20 m in height (Andres et al. 2010, 2011a). While no single statistic satisfactorily communicates the scale of ancient Maya sites (e.g., Hammond 1975; Turner et al. 1981), Tipan is very large and complex according to a number of measures, which has led us to suggest that it is best classified as a “primary” civic-ceremonial center for the polity that once extended around this capital. Based on the application of Thiessen polygons derived from nearest neighbor analyses, it has been suggested that Tipan may have once been at the heart of a polity spanning over a 155 km² area (e.g., Andres et al. 2014; Helmke and Awe 2012:61-65). The nearest neighbors in question that help to define the original extent of the Tipan polity include the site of Deep Valley to the east (c. 10.4 km away), Camalote and Hanging Rock to the north (c. 12.2 km), Blackman Eddy to the northwest (c. 15.4 km), and the recently discovered site of Lower Barton Creek to the west (c. 11.9 km) (see Helmke and Awe 2012; Awe et al. 2015).

Among our most noteworthy findings to date have been four hieroglyphic monuments, all recovered on Str. A-1 at the entrance to the community’s palatial complex. The first of these—Monuments 1 and 2—both of which are fragmentary and thereby exhibit incomplete texts, have been discussed in detail elsewhere (Andres et al. 2014; Helmke and Andres 2015). Of particular note, however, are two recently discovered monuments—Monuments 3 and 4—recovered during our just-completed 2015 field season. These monuments—both ballplayer panels—have the distinction of being associated with short, but complete hieroglyphic captions.

Ballgame scenes comprise a well-known motif of Late Classic iconography and of monumental sculpture in particular, with examples reported from several sites in the central Maya Lowlands (e.g., Schele and Miller 1986; Miller and Houston 1987; Cohodas 1991; Freidel et al. 1993:337–391). Nevertheless, the Tipan panels are unusual as the first of their kind to be documented in Belize. As such, these reliefs not only highlight the ancient community’s prominence on the Late Classic political landscape, but provide an important basis for reconstructing ties between Tipan’s paramount elites and members of royal courts at other sites in the southern Maya Lowlands.

Context of Discovery

As we have previously observed, architectonic analysis of Tipan’s built environment suggests strong functional dualism, with the buildings and spaces forming the western part of the epicenter possessing a more open and accessible quality and therefore presumably functioning in a semi-public capacity (Andres et al. 2010, 2014). In contrast, the A and B acropoli are highly elevated and spatially restricted domains. The form, scale, and location of these spaces, and parallels with similar architectural forms at other Maya sites suggests that both complexes were of restricted access and served as the foci for paramount elite activities and presumably the residence of the rulers (Andres et al. 2010; Andres et al. 2011a; Awe 2008; Awe et al. 1991; Chase and Chase 2001). Based upon our current understanding of these groups, Acropolis A functioned as Tipan’s palatial complex, while Acropolis B most likely served as a private civic-ceremonial facility for members of the royal court, premises that we hope to investigate as part of future field seasons.

In 2015, we resumed our excavations of Str. A-1, building on investigations carried out during previous field seasons (Figure 4). This structure, which forms the basal level of Acropolis A and served as the formal entrance to the palatial complex, was initially investigated in an effort to recover information from a sizable looters’ trench that was excavated through its stair at some point in the 1980s or 1990s (David Galdámez, personal communication 1999). Based upon data from previous seasons, we know that Str. A-1 incorporated a broad axial stairway flanked by terraces and stair-side outsets (Figure 5). Architectural modifications to this stair included an axial platform, constructed just above plaza level, that engulfed the two lowermost steps of the penultimate phase of construction. In conjunction with this remodelling, the western face, the stair-sides, and the surfaces of the stair-side outsets were faced with massive slabs of dense, crystalline limestone (see Villaseñor and Helmke 2007:138-139) measuring up to 2.5 m wide and shaped via direct percussion. While this apparently final construction event has not been firmly dated, we suspect that it was completed during
Figure 4. The excavations of the axial stair of Str. A-1: (a) the axial stair with the lowest steps cleared as well as part of the core of the lateral outsets (above the steps)—note the large monolithic panels facing the axial platform, a terminal-phase addition; (b) the left portion of Monument 3 upon its discovery (photographs by Christopher Andres and Shawn Morton).
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the Late-to-Terminal Classic period (AD 750–850), based on architectural stratigraphy.

Similarly large slabs embellish the lateral stair-side outsets of Strs. F-5 and F-7 at Tipan, indicating that this is a typical architectural feature at the site (Andres 2011). The same practice is also documented at Yaxbe and Cahal Uitz Na, satellite sites to the west that are connected to Tipan by means of the causeways (Awe and Helmke 1998:210-215, 2007:31-32; Helmke 2009:269-270, 273) (see Figure 2). Excavations at both Cahal Uitz Na and Tipan have shown that these monoliths rest directly atop the terminal plaza floor (Ehret and Conlon 1999; Andres 2011) and as such cannot be monolithic stelae but are instead part of terminal construction efforts. As we have discussed elsewhere, these slabs are therefore best designated as “panels” that were set as battered facings to the stair-side outsets. Functionally, these panels serve to contain the dry-laid core of discrete architectural construction units, the most typical type of core used in this area at this time. The repeated occurrence of these panels at Tipan and its satellites suggests that this is a characteristic architectural feature of this polity, integrated into regally commissioned construction (Andres et al. 2014).

Str. A-1’s superior surface furthermore supported a Passage Range Structure (or audiencia) much like those reported at other sites in central Belize, including Buenavista del Cayo, Las Ruinas de Arenal, Xunantunich, Minanha, Caracol, Cahal Pech, and Baking Pot (Awe et al. 1991; Ball and Taschek 1991; Taschek and Ball 1999; Chase and Chase 2001; Seibert 2004; Awe 2008; Helmke 2008:125-128). Based on comparisons to these other sites, this audiencia at Tipan may also have exhibited nine doorways, the central one providing passage into the palatial complex and thereby serving as a traffic control device while also limiting visual access from Plaza A (Figure 5).

All the monuments discovered at Tipan to date have been found in association with the axial stair of Str. A-1. Monument 1, discovered in 2011, and Monument 2, found in 2013, provided some initial indications of the building’s additional interface or transitory qualities: while both monuments and their accompanying texts are incomplete, the palace entrance appears to have served as a place for the display of monumental sculpture (Andres et al. 2014; Helmke and Andres 2015). Work on Str. A-1 continued in 2015 in an effort to continue clarifying the architectural features, as well as to recover missing portions of Monuments 1 and 2. Unexpectedly, these excavations led to the discovery of the two additional monuments, clearly confirming that this location was once elaborately embellished with carved and inscribed monuments, pointing to the historically referential and aggrandizing nature of the western facade of the palatial complex.

The first of these panels, Monument 3, was encountered lying face down on the surface of the previously described secondary platform just south of the looters’ trench (see Figures 4b, 5). While this panel was broken, the distinctive angle of the break alerted us to a possible fit with a block of similar size and thickness exposed on the nearby plaza. Upon discovery of the initial carved portion, closer examination of the second, more eroded slab not only revealed carving, but showed that it in all

Figure 5. Plan of the excavations of the axial stair of Str. A-1 showing the find spots of the carved monuments as well as the architectural features mentioned in the text (plan by Christopher Andres and Christophe Helmke).
probability belonged to the same panel.

The second ballplayer panel, Monument 4, was likewise encountered lying upon the surface of the terminal phase platform (Figure 5). This monument was discovered on the opposite side of the looters’ trench from Monument 3 and had also clearly been displaced from its original context in antiquity, since much like Monument 3 it was found resting atop terminal phase architecture and sealed below collapse debris. As luck would have it, however, the illicit excavations passed directly between the monuments—within a half meter of each, but without disturbing either.

Whereas Monuments 3 and 4 were found in secondary contexts and while neither was encountered in its original architectural context, our exposure of Str. A-1’s west face revealed a poorly-preserved pair of secondary terraces, or lateral stair blocks, added over upper parts of the earlier stairs on either side of the looters’ excavation (see Figures 4a, 5). In both cases, these architectural units lack facings, and their destabilised dry-laid core was found collapsing down the building. Though we cannot be absolutely certain, the available evidence suggests that Monuments 3 and 4 were integrated into the upper reaches of the building, and may have faced portions of these deteriorated architectural units. Interestingly, considering the fact that the panels were broken, together with possible evidence that the faces of the individuals depicted in the iconography were deliberately defaced by focused battering, it is possible that these ballplayer panels, much like Monuments 1 and 2, were intentionally vandalized at the time the royal court of the eighth century when these panels were raised.

Prior to the discovery of Tipan Monuments 3 and 4, similar ballplayer panels were known for La Corona (Stuart et al. 2015), Uxul (Grube and Delvendahl 2014), El Palmar (Tsuamoto et al. 2015), El Peru (Lee and Piehl 2014:95-98), Yaxchilan (Graham 1982:155-164), Zapote Bobal (Tunesi 2007), and Dos Pilas (Houston 1993:Fig. 3-22), as well as farther afield at Tonina (Stuart 2013) and Quirigua (Craborn et al. 2012) (Figure 1). Intriguingly, the sites of Uxul, El Palmar, La Corona, El Peru, Zapote Bobal, and Dos Pilas are all known to have been vassals of the Snake-head dynasty during the Late Classic period (Martin 2005; Canuto and Barrientos Q. 2013). Importantly, the hieroglyphic stair at El Palmar clearly represents a mention of the contemporary Snake-head king in addition to a ballgame scene on the sixth step (Tsuamoto et al. 2015). Furthermore, based on an independent interpretation of the ballgame panel at Tonina (Stuart 2013) it is possible that the iconography shows the local lord playing against a ruler of Calakmul, which corroborates the model proposed here.

The glyphic captions of the recently discovered ballgame panels at Quirigua (Craborn et al. 2012) are not entirely clear, and accordingly many possible interpretations present themselves. Nevertheless, it should be recalled that some type of intervention by the Snake-head kings has long been suspected behind the brah and sudden conflict that pitted Quirigua’s K’ahk’ Tiliw Chan Yopaat against Waxaklajuun Ubaah K’awiil and which ultimately resulted in the decapitation of the latter (Schele and Looper 1996:127; Martin and Grube 2000:205). The ballgame panels at Quirigua are dated to c. AD 808 (Craborn et al. 2012:375, 378), which is decidedly later than the fateful decapitation event of 738, and as such may well support the scenario wherein the Snake-head kings figure as instigators of the conflict and martial allies of Quirigua. As a result, even the ballgame panels of the more distant Tonina and Quirigua may speak of close dynastic interactions between the local elite and the Snake-head kings, cemented by ballgame contests. Although no ballplayer panels have been found at Cancuen, a similar situation can be surmised since close relations with Snake-head rulers are evidenced by the text of Panel 1, and the iconography of ballcourt markers shows key points of historical ballgames (see Zender and Skidmore 2004). At present, the one set of ballgame monuments that remains difficult to explain is the large and important assemblage from Yaxchilan, since we are not aware of any clear allegiance between the rulers of that site and the Snake-head kings, especially during the latter part of the eighth century when these panels were raised (see Martin and Grube 2000:128-133). Nevertheless, it bears remembering that Yaxuun Bahlam IV, who initiated the construction of Str. 33, bears the ballgame panels, made it clear in his pedigree that his mother, one Lady Ik’ Skull, was a princess bearing the Snake-head title of Calakmul (Mathews 1988:203, 204; Martin and Grube 2000:128). As we have no reason to doubt this parentage, this tie provides an important link to the Snake-head dynasty, which may have imparted to Yaxuun Bahlam the prerogative to engage his vassals in the ballgame and to raise panels commemorating these events, in the same spirit as the lords of Calakmul. As is well known, the inordinately large assemblage of monuments at Calakmul has been reduced to eroded and splintered masses, resulting from the poor quality of the local limestone and the destruction wrought by

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1 The construction of Str. 33 was undoubtedly completed posthumously by his son, Shield Jaguar IV, based on evidence from the lintels (see Martin and Grube 2000:132; Helmke 2014).
modern looters (Marcus 1987; Martin 1997:851-851). As a consequence, very few legible monuments subsist. Nevertheless, assuming that Calakmul was the head of a network of allegiances cemented by ballgame engagements, one would expect to find similar ballgame panels at the site. As fortune would have it, precisely such a panel has been discovered at Calakmul and recently published (Martin 2012:160). Although fragmentary, this panel owes its preservation to having been recycled in antiquity as core material in Str. 13, which incidentally is located just north of the ballcourt. Significantly, this monument duplicates the ballgame motifs seen on other panels throughout the lowlands. We will return to this panel, below, after considering a handful of examples from La Corona, Yaxchilan, Uxul, and El Peru.

One of the best examples of the ballgame motif is a panel that has been known for some time, and which is part of the collections of the Art Institute of Chicago (Figure 6). Before the Snake-head dynasty was securely connected to Calakmul, and before the discovery of the site of La Corona, the original provenience of this panel—and other similar monuments—while unknown, was assigned a provisional provenance to an unknown “Site Q” by Peter Mathews (1998). It is now well known that many of the monuments thought to have originated at Site Q were in fact erected at La Corona (Graham 1997; Stuart 2001; Guenter 2005). The panel in question (now designated as Element 13; see Stuart et al. 2015:9), is one such example. This monument was undoubtedly once part of a greater hieroglyphic stair, which appears to have been dismantled and re-incorporated into later architecture before looters eventually found it, trimmed the back, and sold it illicitly on the antiquities market (see Stuart et al. 2015:9). The iconography depicts a very dynamic scene involving two ballplayers, as is made clear by the large tri-part protective belts as well as the stepped elements between them that represent a stylised ballcourt in profile. The glyphic caption on the ball refers to its size, as has been recognised by several scholars (Coe 2003; Zender 2004a; Eberl and Bricker 2004). The large ball is suspended in mid-air between the two players, freezing a tense moment of the game and creating implacable suspense. Who would emerge victorious from this difficult strike? The larger figure, and evidently the protagonist of the panel, is splayed on the playing alley. This is the local ruler of La Corona, one Chak Ak’ Paat Kuy (see Stuart 2015) who braces himself on his right hand and appears to try to deflect the ball that has been returned to him. The glyphic caption accompanying the opponent designates him as utihuun kalo’nte’, which is to say that he was the “spokesperson of the paramount ruler,” undoubtedly Yuhkno’om Yich’aak K’aah’, the contemporary king of Calakmul (see Zender 2004b:12). The text also makes it clear that this event transpired at Calakmul by citing the two toponyms connected to the site in antiquity (Stuart and
Helmke et al. Houston 1994:28-29; Martin 1997:852). As a result we are seeing the ruler of La Corona engaged in a ballgame at Calakmul against one of the high-ranking officials of the royal court. This event was evidently sufficiently prestigious to be recorded on a panel back home after the game's completion.

Another fine example of a ballgame panel is found at Yaxchilan, designated as Step X of Hieroglyphic Stair 2 (Figure 7), which leads up to the important Str. 33 in the hills overlooking the site. The scene of this panel shows a ballplayer lunging to brace a ball, leaning forward on his left arm and knee. The composition is thus essentially a mirror image of that seen on the panel from La Corona. Here the ballcourt is represented in a simplified manner as a sequence of steps, which has led some scholars to suggest that this was a particular form of the game, wherein players bounced the ball off steps (see Miller and Houston 1987; Coe 2003:200-202). Nonetheless, we suspect that this is simply a graphic convention for showing a ballcourt in profile, the various architectural units that comprise the characteristic profile of a ballcourt reduced to simple steps (see also Zender 2004b:10-11). Here the individual is clearly masked and dressed as a supernatural entity. The accompanying text makes it clear that this individual is “portrayed as the wind god,” wherein the deity is referred to descriptively and tersely as ik’ k’uh (Zender 2004a:2). Based on the mask of the divinity it is clear that this is one particular wind deity, and on the basis

\[\text{Figure 7. Step X, one of the ballplayer panels of Hieroglyphic Stair 2 that graces Str. 33 at Yaxchilan (drawing by Marc Zender, from Zender 2004a:Fig. 2).}\]

\[\text{Figure 8. Two of the ballplayer panels associated with the axial stairs of Str. K2 at Uxul. Panel 2 (left) and Panel 4 (right) (drawings by Nikolai Grube, from Grube and Delvendahl 2014:Figs. 19, 21).}\]

\[\text{2 This convention also explains the emic designation and name for at least some of the ballcourts, since some are known as wak ehb-nal, or “six step-place” (Schele and Grube 1990; Schele and Freidel 1991).}\]
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of nominal segments at Palenque, Copan, and Caracol, this deity may have been known as tiwool, of unclear etymology (Stuart 2005:25, n. 3). Whereas other companion panels of Hieroglyphic Stair 2 at Yaxchilan show king Yaxuun Bahlam IV playing in elaborate garb, Step X shows one of his high-ranking military officers, K’an Tok Wayaab, who is also depicted on other monuments, seizing captives in battle and celebrating dance festivities with the monarch (Schele and Freidel 1990:294-297; Helmke 2010). Again these monuments speak of more than just the ballgame and imply that the contests involved the ruler and his subservients, and presumably served to foster bonds of allegiance and to simultaneously heighten the power, position, and prestige of the king.

The recently discovered hieroglyphic stairs adorning Structure K2, the audiencia structure of Uxul’s palatial Group K, provide other excellent examples of ballgame panels. Much as at La Corona, the panels date to an earlier phase but were recycled as part of penultimate and terminal construction phases (Grube and Delvendahl 2014:83-86). The figurative panels commemorate a series of ballgames that involved the rulers of Calakmul, including Yuhkno’m Yich’aak K’ahk’ in AD 695 (Panel 4) and a bygone ballgame many decades earlier that may have involved Scroll Serpent (Panel 2) (see Grube and Delvendahl 2014:89-90, 91-92) (Figure 8). In both cases, the ballcourt is again rendered in profile as a series of steps, and personification heads within each provide the name of the ballcourt and suggest that these are near-mythical places. Interestingly, the same name is found in a fragmentary text at Calakmul (Martin 1998:Fig. 14), suggesting that these name the site’s ballcourt and that the scenes on the Uxul panels depict events that transpired at Calakmul. The composition is conventional and shows the same type of pose, wherein a daring and energetic ruler braces himself and leans into the ball to better prepare for the impact and to secure the ball’s successful volley. The great regularity of the scenes speaks of important moments in the game that the ancient Maya were intimately familiar with but which only partly resonate with us today.

At El Peru, we find other examples of ballplayer panels and these too were found as part of a hieroglyphic stair (HS2) leading into the Northwest Palace Complex. The example that we introduce here was found adorning the eastern face of the palatial acropolis and comprises three conjoining slabs that together form a unified scene, of the 14 slabs that once formed the hieroglyphic stair (Lee 2006; Lee and Piehl 2014:95-98) (Figure 9). The scene once graced the lowest step and depicts two ballplayers facing each other, and as we have seen with other scenes, a numbered ball between them. The glyphic caption that accompanied the ballplayer to the right reads Ubah ti pitz yuhkno’m yich’aak K’ahk’ K’uhul kanul ajaw, or “It is his image playing the ballgame, Yuhkn’om Yich’aak K’ahk’, the godly Kanul’ king,” leaving little doubt as to its contents or the figures depicted (Lee 2006:109; Lee and Piehl 2014:96-97). Although unspecified, we are left to conclude that the figure to the left was meant to represent the local ruler of El Peru. In the background a series of four lines appear to demarcate steps and again probably represent a stylised ballcourt, although here it appears to be depicted in longitudinal elevation, rather than laterally from the side. Thus, Yuhkn’om Yich’aak K’ahk’ is undoubtedly shown in the middle of the playing alley, whereas the ruler of El Peru must be represented in the end zone.

Whereas most of the details of the ancient Maya ballgame remain unknown, in a series of workshops focused
on the ballgame, the senior author has collaborated with Ramzy Barrois and Harri Kettunen to formulate a series of rules that could explain the architectural composition of ballcourts in conjunction with the placement of markers and the depictions rendered in iconography (see also Barrois 2006). Based on these data, and comparisons to modern variants of the Mesoamerican ballgame that survive in Mexico (Leyenaar 2001; Leyenaar and Parsons 1988), we have been able to reconstruct some hypothetical rules, including an episode in the ballgame wherein a point advantage translated into a territorial gain, such that the team with point advantage overtook the adjoining portion of the central playing alley and pushed the opposing team into the end zone. As it turns out, this crucial and pivotal episode of the game was represented several times in the iconography, and we suspect that this is also what is represented on the panels from El Peru, thereby showing the ruler of Calakmul in a dominant position and the ruler of El Peru at a disadvantage. Returning to the panel from La Corona, we can thus appreciate that we are looking at the same type of event, since the standing figure is shown in front of the lateral end of the ballcourt, again implying that he is standing in the end zone, but here it is the ruler of La Corona that is shown with the advantage and Calakmul’s courtier in the end zone.

Although we are slowly gaining more and more information about the ancient ballgame, the degree of conventionalization present in the iconography also greatly reduces the possibility of understanding all of the elements, since focus is consistently placed on particular events in the ballgame, in much the same way as posters of modern athletes depict them in the most lively, baroque, and crowd-pleasing maneuvers. One of the features that is repeatedly conventionalized and subject to omission is the number of players represented. Thus, in the panels we have seen, only the captains of the teams are represented, or in the case of Yaxchilan and Uxul only the most valuable player. Yet, in some instances the number of players tends to be rendered much more realistically, without the exclusive focus on the primary protagonists. This is particularly clear on ceramic scenes (Zender 2004b:10-11), but also on the panels of Hieroglyphic Stair 1 at Dos Pilas (Houston 1993:88, Fig. 3-22). Although the figurative tableaux have eroded to a great degree we can discern two teams facing off, comprised of three to five players apiece (Figure 10). The uppermost panels duplicate the compositions seen thus far, with the ballcourt represented as a series of steps, and the ball being volleyed from one team to another. The lower panel may represent either the kickoff or the finale to the ballgame, both teams facing each other, outside of the ballcourt, separated by what may be two large balls, with some figures wearing the large capes that are the mark of elite individuals, as seen in the murals of Bonampak (see Miller and Brittenham 2013).

The final ballplayer panel that we would like to consider is that found at Calakmul (Figure 11). Although it is fragmentary, it is a monument of paramount importance since it demonstrates the existence of ballgame panels at the site and that this motif figured as an integral part of the range of symbolic messages that the local elite wished to commemorate and convey. The one figure preserved on the panel wears the large protective belt and kneels on his right leg and presumably leans into an oncoming ball. Behind him are a series of lines that duplicate the composition seen on the panels from El Peru and represent the ballcourt longitudinally and thereby depict the figure in an advantageous position in the middle of the playing alley. The associated glyphs confirm that this represents the ruler of Calakmul based on the presence of the Snake-head emblem glyph and the preceding glyph providing his name. While this segment is fractured and spalled, the initial part clearly records yu[ku]no for yuhkno’m and the ensuing head-variant may represent the logogram CH’EN “cave.” If so, this may depict Yuhkno’m Ch’een II who ruled from AD 636–686 (Martin and Grube 2000:108-109), yet the monument has been stylistically dated to c. 700 (Martin 2012:160), suggesting that this is a retrospective account. This panel significantly duplicates many of the features seen on the other panels that we have introduced above, and importantly the Calakmul panel is squarely contemporaneous with the Tipan monuments, as we will see. Having thus introduced a series of ballgame monuments from throughout the Maya lowlands, we can now turn to the descriptions and analyses of the newfound monuments of Tipan on good footing.

**Description and Analysis of Tipan Monument 3**

Monument 3, which is best described as a panel, would have measured as much as c. 1.44 m wide, 0.66 m high, and c. 20 cm thick, when it was complete (Figure 12). As such, nearly 91% of the original monument is

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3 These workshops were held at a series of conferences, including the 1st Annual Maya at the Playa Conference in Palm Coast Florida in 2007, the 12th European Maya Conference, the same year, in Geneva, and most recently, the Maya-on-the-Thames conferences organized by the Institute of Archaeology, University College London, in both 2013 and 2014.

4 Whereas the team with the upper hand would have had more ground to cover and defend, the team pushed into the end zone would have suffered a disadvantage by being in close quarters and reducing the maneuverability of the players. In re-enactments or modernised forms of the ballgame using these rules, played in the ballcourts of the archaeological sites of Cahal Pech and Xunantunich, we were able to witness the ups and downs of such point advantages.

5 Perhaps the method of starting the ballgame would be better called the “strikeoff,” since feet were not used (Zender 2004a: 5-8).
preserved as found.\textsuperscript{6} Considering that the carving was rendered in low relief, with foreground and background distinguished by no more than 5 mm and details rendered in shallow 1 mm lines, it is fortunate that the carving is as well preserved as it is, suffering only minor damage in parts and moderate weathering that affects the carving more or less evenly across its surface. Both the relief and the degree of preservation are subject to the hardness of the crystalline limestone from which this and the companion monuments were produced. In its current state, Monument 3 is broken in two large fragments, and it remains to be determined if the breakage is accidental and brought about by structural collapse or the result of ancient deliberate action. Support for the latter is that the entirety of the figure represented on the panel has been defaced and parts of the adjoining sections exhibit spalling and are more worn than the remainder of the panel. Based on comparisons to other such panels found elsewhere in the lowlands, Monument 3 was undoubtedly integrated into the stair leading from the plaza up into the acropolis but may have been recycled as a riser into later architecture (much as at Uxul, La Corona, and El Peru).

The panel’s iconography represents a ballplayer as is made clear by the pose, the juxtaposition with a large circular ball, and the distinctive protective belt worn by the figure. The player wears a kilt, and from the remains it is clear that he wore a large headdress, most of which is now absent. In his left hand, he holds a staff-like object that terminates in a circular element that appears to be woven and embellished by a series of streamers. Similar objects have been identified as fans, based on other examples found in the Usumacinta area, including those represented in the murals of Bonampak (Miller and Brittenham 2013), the stela from El Kinel (see Houston et al. 2006:89-92, Figs. 5, 6), and a possible example on Naranjo Stela 28 (see Graham 1978:75).

The figure is in a dynamic pose and is bracing to return the heavy rubber

\textsuperscript{6} This estimate is based on the total extant surface areas of the fragments of the panel.
ball. His right knee is firmly planted on the playing alley as he pushes off with his left foot, and he has folded his right arm in a protective stance, prepared for the impact of the ball. The dynamism is made all the more patent when one considers that the base of the ball is flattened (in fact forming a depression on the panel’s lower border) as though it has just impacted the surface of the playing alley and is about to bounce up towards the player. That the scene is set in one of the ballcourt’s end zones, rather than the playing alley proper, is implied by the quadrangular form, representing the ballcourt, shown in profile, peering out from behind the large ball. As such, the scene duplicates the particular phase of the game as seen on the panels from La Corona and El Peru—and presumably also that from Calakmul.

The ball is captioned by a glyph block (D1) that, as with the other ballgame panels we have seen, provides a qualification of its size. The first of the two qualifiers is the numeral nine, followed by a human hand with outstretched fingers that represents the logogram NAB,
read *nahb*, for “handspan” as has been demonstrated by Marc Zender (2004a) and others (Coe 2003; Eberl and Bricker 2004). Exceptionally, below the hand is a large scrolled sign that is partially emblazoned by cross-hatching. Based on the other contexts in which this sign occurs, a plausible reading of this logogram is *K’IK’* (see Helmke 2007), which literally means “blood,” but in this case refers to tree sap, and that of the latex tree (*Castilla elastica*) in particular. Representations of the same scrolled sign in association with references to the ballgame at Ek Balam and in the Dresden Codex make it clear that this sign refers to rubber balls (see Lacadena 2003:Fig. 19; Grube 2012:208-209). As such, the whole caption reads *baluun nahb k’ik’,* or “nine handspan ball,” providing an unusually complete caption for a rubber ball. Based on examples at other sites, such as the panels of Hieroglyphic Stair 2 at Yaxchilan, a whole series of different sizes were known, ranging from 9 to 14 handspans (Zender 2004a:1-4; Eberl and Bricker 2004; Helmke 2007). Thus, whereas it is clear that this qualifier records a size gradation of the ball, it remains unclear whether the handspans in these instances refer to the length of the strip of latex that was used to manufacture the ball or whether these measure the circumference of a large rubber ball. Based on the size of balls represented in the iconography, it would seem that the latter interpretation is more likely (Helmke 2007).

The glyphic text that frames the scene is remarkably well preserved and, most unusually, appears to be complete. The clause is headed by a calendrical notation recording a Calendar Round date. The first glyph block (A1) records the Tzolkìn date as 7-CHAM, or “7 Kimi.” Here, however, the usual crescent-shaped filler between the two dots of the numeral is replaced by what may be an infixed syllabogram *u*, possibly serving as an initial phonetic complement to the numeral to indicate a dialectal variation and thereby possibly prompting a complete reading of *ik cham,* or “[On the day] 7 Kimi.” The second glyph (A2) records the Haab date, here written 14-ka-se-wa, read *chanlajuun kase’w,* which can be translated as “14 Sek.” This Calendar Round combination clearly commemorates a historical event on an “uneven” date, rather than a Period-Ending celebration on an “even” date. As such, locking this Calendar Round to a particular Long Count date is difficult, not least since this Calendar Round date reoccurs six times in the Late Classic, between AD 560 and 820. Nevertheless, the closest possible date to the anchor provided by Monument 1 (which commemorates the Period-Ending of 9.14.0.0.0 or AD 711), is 9.14.4.9.6, or the 18th of May, AD 716 (using the GMT+2 correlation; see Martin and Skidmore 2012). Dates on particular structures and in discrete areas of sites tend to cluster together, but there are additional reasons for preferring this date above the other possibilities, which will we touch upon again later. Assuming that the placement of this Calendar Round is correct, it would commemorate an event that transpired a little over five years after Monument 1 was erected (Andres et al. 2014).

The verb that records the event that transpired on this date is written somewhat ambiguously as CH’AM-wa (A3), involving the verbal root *ch’am,* “grasp, take.” Assuming that this is the active voice of a transitive verb, one would expect both an ergative pronoun (*u*) and a following object, yet the following element (B1) may already be part of the name and thus part of the subject. Alternatively, this may be an idiosyncratic spelling of an absolute antipassive, written with -*wa* instead of the expected -*wi,* in which case the verb can be translated as “he grasped, took.” In other contexts, the verb *ch’am* is usually seen in statements of royal accession, wherein an incumbent ruler takes a scepter or another item of regalia that symbolizes his ascent to his new office (e.g., Schele 1980:155-156, 169-170). Nevertheless, considering the widespread self-referentiality of Maya texts, we assume the “grasping” cued by the glyphic verb refers to the fan that the ballplayer holds in his left hand. It is unexpected to see such a combination, not least since we do not know of any other examples that show a similar pairing of ballplayer and fan. Then again, the verb *ch’am* is not usually represented on ballplayer panels either, and thus this must have been significant enough to merit a careful mention. As a result, we are left to contemplate the possibility that this represents a variant of the game involving a fan, or a heretofore unknown phase of the game.

The last two glyph blocks appear to record the name of the subject and thereby the individual represented on the panel. In the first collocation (B1a), the main sign represents an anthropomorphic profile with exagger­ated and elongated lips. Based on examples of this glyph in nominal contexts at Caracol and Palenque, it would appear to name a particular wind deity, known as *tiwool* (see Stuart 2005:25, n. 3), which we have already seen in connection with the ballplayer panel at Yaxchilan (see Figure 7). The glyph below this main sign is partly eroded and therefore cannot be conclusively identified. However, it does not appear to record a syllabogram *la,* which is the sign one would expect if a phonetic complement were present.

The remaining signs are clearer and better preserved, wherein the final glyph block (C1) represents the profile of a feline, with part of a water lily draped above his head. Whereas the literature usually refers to this feline as a “water-lily jaguar” (e.g., Schele and
Miller 1986:51), based on glyphic captions in other texts it is clear that this is a hix, “ocelot,” not a jaguar (see Houston and Stuart 1989:6; Grube and Nahm 1994:690; Helmke and Nielsen 2009) (Figure 13). The example provided on Tipan Monument 3 is one of a few rare instances wherein this nominal sequence is applied to a historical individual, with similar practices known from Classic Maya onomastic principles (see Colas 2004, 2014; Zender 2014). As such, the individual represented on the panel in the act of playing ball is one that we would nickname Waterscroll Ocelot. Unfortunately, the titles that this individual bore are not recorded, which implies that this figure was sufficiently well known to the original target audience that this was unwarranted. Whereas we first assumed that the individual represented could be the ruler of Tipan, with the discovery of Monument 4 this hypothesis is now less secure, although still plausible.

**Description and Analysis of Tipan Monument 4**

Monument 4 is also a fragmentary panel, only the rightmost portion of which has been recovered while the left end remains to be discovered (Figure 14). This second monument measures c. 56.0 cm high, c. 20.5 cm thick, and originally exceeded 81.0 cm in width. Based upon its similarity in size and composition to Monument 3, it is clear that the two monuments formed part of a set. The carving is as shallow as that of Monument 3, ranging between 1 and 6 mm. As found, perhaps as little as 66% of Monument 4 has been recovered. The use of a plain frame enclosing the iconographic scene accompanied by a glyphic caption consisting of five glyph blocks, all match the design and composition of Monument 3—down to the size of the frame and the height of the glyphs—indicating that these are both part of a once-greater monument. As panels adorning the face of an architectural unit, or a tall stair, these monuments may be elements of a hieroglyphic stair, although this designation will require more conclusive evidence that we hope to obtain through future excavations.

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7 Interestingly, a very similar nominal sequence is found on Altar K at Copan (J1) where it names an individual tied to Structure 6, the building in front of which the altar was erected (Bíró 2010:24). The name on Altar K appears to be written TIWOL-ia followed by the head of the water-lily feline, which is subfixed by an undeciphered sign that resembles an inverted la syllabogram. Considering the name at Tipan, we wonder if this final sign is a phonetic complement for the feline, or an alternate way of writing the waterscroll sign. Altar K bears the dedicatory date of 9.12.16.10.8 or AD 688 and was raised during the reign of K’ahk’ Uti’ Witz’ K’awiil (Martin and Grube 2000:201). Considering spatial and relative temporal distance we suspect that the individual named on Altar K and the figure rendered on Mon. 3 at Tipan are not the same individuals, but merely namesakes.
Much like Monument 3, Monument 4 represents a ballplayer in a dynamic pose, shown in the act of playing the ballgame. This figure lunges forward and braces his left knee, and he leans on his left hand as though attempting to impact a ball that has been hurled at him. The marked dynamism of the scene is evident in the placement of the knee and the hand, since they burst out of the groundline defined by the lower edge of the plain frame. The figure wears the large and distinctive ballplayer belt, again composed of three large segments, and is lavishly adorned with regalia that though eroded are nonetheless clear: a tubular bracelet, as well as an earspool and an exuberant flourish of feathers as his headdress. Much of the attire is now unfortunately lost since the left portion of the scene is eroded and has suffered extensively from the breakage of the monument. The area around the face is also quite weathered and may have been deliberately hammered off, much as other contemporary monuments in the Maya lowlands, such as the stelae of Xunantunich (see Helmke et al. 2010) and the famed Panel 3 of Cancuen that is in pristine condition, save for the eyes of the individuals represented that have all been meticulously pecked out (Normark 2009). These instances are very similar to the defacement that is evident on the ballplayer panel from La Corona that we discussed above (Figure 6).

Fortunately, the right portion of Monument 4 has only suffered moderate and even weathering, suggesting that this is the product of natural taphonomy. The glyphic caption is composed of five glyph blocks. The reading order follows the standard double-column reading order but makes concession for the iconography at the end. The first glyph block (A1) records a stative construction and makes it clear that this is a portrait of a particular individual. The glyph block in question is written u-BAH-hi for ubaah, “it is his portrait (lit. head),” the common predicate for captions accompanying iconographic scenes. As is common practice, the predicate precedes the name of the individual represented; his/her titles usually follow and close the clause. Here the name appears to be written over the following two glyph blocks, wherein the first (B1) represents the head of a raptorial bird, to judge by the form of the beak, which is accompanied by the phonetic complement bi in the place where one would expect to see the bird’s earspool. The phonetic complement helps to narrow down the identification of the type of bird, since it probably represents a janaab, a raptorial bird made famous by the name of Palenque’s great ruler, K’inich Janaab Pakal (“radiant bird-of-prey is the shield”) (see Martin and Grube 2000:162-168; Colas 2004; Zender 2014). The distinctive feather of the janaab bird can just be made out, rising above the beak, but the remaining portions of the sign are unclear. The marked
connection between Tipan and Naranjo, we should err on the side of caution at this juncture and leave open the possibility that the monuments name different individuals bearing part of the same name, until the opposite can be substantiated.

Of the last two glyph blocks, the final one (B3) clearly represents the full geometric form of the regal title ajaw, here written AJAW-wa. As such, when first reading the text, we hoped that the preceding glyph block (B2) might record part of an emblem glyph and thereby provide us with the emblematic title of the dynasty established at Tipan. We were therefore surprised to discern that the initial part of the title is written NAH-5-CHAN-na, read nahho’chan, for “first five skies” or perhaps “great five skies.” This segment provides the name of a supernatural location that is quite well known from the glyphic corpus as the celestial abode for a range of deities (Stuart and Houston 1994:71), including the so-called Paddler gods that are known to ferry the deceased Maize god into the underworld (Schele and Miller 1986:52). At Caracol the title of Nahho’chan Ajaw is borne by the site’s triadic patron deities, whereas at Naranjo it is a locality tied to the Jaguar God of the Underworld since a variety of mythological events are said to transpire there that involve the same feline deity (see Schele and Mathews 1998:148-149; Martin and Grube 2000:82). References to historical individuals bearing this title are extremely rare, but one text from Naj Tunich may suggest that an individual involved in a ritual pilgrimage to the cave in AD 745 bore this title (MacLeod and Stone 1995:167, 178, 183) (Figure 16a), whereas one of Tikal’s latter kings, Yik’in Chan K’awiil appended Nahho’chan as a qualifier to his kalo’mte’ title in AD 744 (Jones and Satterthwaite 1982: Fig. 8a) (Figure 16b). On an unprovenienced polychrome vase representing an eerie congregation of spirit companions (K0791) we can discern one emaciated and skeletal creature, flint blades emerging from all of his joints, wearing the head of a giant centipede as his headdress (Grube and Nahm 1994:694) (Figure 16c). What is noteworthy is the glyphic caption, wherein the first part records the name of the skeletal figure as ma-8—possibly read as mabib or ma’bib—the

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8 The transliteration and analysis of the name of this wahky remains problematic. On the one hand, it may involve the negative particle na’ prefixing a lexeme that is quite rare in lowland Mayan languages. One instance includes the Itza’ bib “rodar, roll” (Hofling and Tesucún 1997:176), although this proves unproductive in this context. Alternatively, the name may include a verbal root, suffixed by the instrumental -ib. In this analysis the root may compare to the Yukatek verb mab, with a variety of glosses including: “mirar mujeres desnudas” and “menospreciar a otro” (Barrera Vásquez 1980:470). As an instrumental form of this verb, a possible gloss of mabib may be “indecent, disrespectful gaze,” a fitting name for a sinister wahky creature.
medial portion states that it is a wahy creature, and the final portion provides a reference to the owner of this entity by citing a title or toponym to which particular dynasties are tied (see Houston and Stuart 1989; Grube and Nahm 1994; Helmke and Nielsen 2009). By means of such captions, one is thus able to identify particular wahy creatures and the dynasties to which they are said to belong, and in this particular example, the toponym is none other than Nahho’chan, lending some credence to the idea that this mythic toponym was at times also used by historical individuals, as appears to have been the case at Tipan or a neighboring locality.

On ballplayer panels, such as Tipan Monuments 3 and 4, we usually see local individuals squaring off against foreign exalted elite hailing from faraway sites. Based on the available evidence, we cannot be sure which of the two individuals represented is local and which is foreign. However, taking into account the features that tie Monument 4 with Naranjo, we wonder if it could not be an individual from that polity, leaving the individual of Monument 3 as a possible local figure. As we will see, there is in fact some support for this contention, based on a glyphic reference at Naranjo.

In attempting to contextualise the ballplayer panels of Tipan we began casting a wider net and looking at contemporaneous texts from sites in the greater environs. In settling on the date of Tipan Monument 3 as AD 716 (9.14.4.9.6), we bear inherent limitations from the ubiquity and preservation of the contemporary glyphic corpora. For instance, Caracol’s texts are mute at this time since the site suffered a hiatus from 680 to 798, induced by a series of dynastic crises (Martin and Grube 2000:95). Similarly, at Naranjo, whereas we have a rich and abundant corpus for the reign of K’ahk’ Tiliw Chan Chaahk (693–728+)—and the foregoing regency of his mother, Lady Six Sky (682–741)—the corpus essentially fades into silence after the dedication of Stela 2, which commemorates the major Period Ending of 711 (9.14.0.0.0) as well as the enthronement ceremonies of vassals at Ucanal and Yootz under the auspices of K’ahk’ Tiliw Chan Chaahk in 712 and 713, respectively (Martin and Grube 2000:77). This monument represents a pivotal shift and corresponds to a change in foreign relations. Thus, whereas the initial two decades of K’ahk’ Tiliw Chan Chaahk’s reign were characterised by warfare and military campaigns aimed at reclaiming former satellites, the remainder of his rule would be dedicated to cementing alliances and ensuring the fealty of the reconquered settlements. In large part, these diplomatic efforts have left us with a material imprint, unique and exquisite polychrome vases that were produced by skilled artisans of K’ahk’ Tiliw Chan Chaahk’s court that in turn were gifted to vassals during ceremonial feasts as a sign of continued amity and to secure fidelity. The Jauncy vase, discovered at Buenavista del Cayo, is one such specimen, as is a vase produced for the ruler of Ucanal (K1698), precisely the same individual whose enthronement was presided over by K’ahk’ Tiliw Chan Chaahk in 712 (Houston et al. 1992:Fig. 8, 506; Reents-Budet 1994:300-302; Helmke and Kettunen 2011:53-57). Almost identical to the Jauncy vase are sherds found at Xunantunich and Baking Pot, suggesting that these sites also received the attention of Naranjo kings during the eighth century (Lisa LeCount, personal communication 2007; Julie Hoggarth, personal communication 2014; see also Helmke and Awe 2012:74-80). A closer scrutiny of Naranjo’s corpus reveals that the latter part of K’ahk’ Tiliw Chan Chaahk’s reign was not as uneventful, and the corpus as voiceless, as might at first be surmised. In fact there are lengthy historical texts on Stelae 30,
20, 31, and 40, all erected between 714 and 721 (Figure 17). Unfortunately, these monuments are all highly weathered and in several cases the stelae collapsed in such a way as to leave the long historical texts that adorn their reverse exposed to the elements, thereby suffering extensive erosion. Stela 31 is noteworthy in this regard, a monument that bears the portrait of Lady Six Sky as she commemorates the half-k’atun Period Ending of 9.14.10.0.0 or 721 (see Graham 1978:83) (Figure 17b). Despite heavy erosion, the chronology of the text on the back (Figure 18) can be reconstructed as four historical events that transpired on “uneven” dates, followed by a retrospective event relating Lady Six Sky to a comparable half-k’atun celebration in 9.6.10.0.0 (564) during the reign of “Aj Wosal,”9 before tying the narrative back to the current half-k’atun celebrations that the monument commemorates (see Graham 1978:84). What is significant here is the fourth historical clause, initiated by the Calendar Round date 10 Kimi 19 Mol, which can be anchored to 9.14.7.13.6 in the Long Count and that correlates to the 18th of July, AD 719. Whereas the actual event that transpired on this date (G3) is weathered beyond legibility, the name of the subject

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placement of this clause, just three years after the date on Monument 3, and the duplication of the name found on that same monument, we are tempted to view this as a potential reference to the ruler of Tipan. Recalling that this was a period when Naranjo reached out to neighboring sites to secure allegiances, the clause on Stela 31 may record a similar enterprise and diplomatic venture. Due to the erosion of the text, our identifications have to remain tentative, but we hope to be able to secure additional photographs of Naranjo Stela 31 and to inspect the monument at some juncture in the future, in order to ascertain whether this can indeed be a reference to the individual named at Tipan.

Broader Significance

The presence of ballplayer panels at Tipan is significant on multiple fronts. When considered in combination with previously reported Monuments 1 and 2, the pair of recently discovered panels further supports our understanding that Tipan was both a large and prominent community and the seat of an influential royal court. Significantly, the insights offered by Monuments 3 and 4 suggest that Tipan’s rulers were not only able to commission well-executed monuments produced by literate scribes or artisans, but actively employed the same symbolic vocabulary—in terms of monumental forms, as well as compositions of texts and image—characteristic of the most prominent Late Classic dynasties. While it is possible to interpret this pattern in multiple ways, based on present evidence it seems manifest that members of Tipan’s royal court were interacting with the rulers of some of the most powerful Late Classic polities.

Besides serving as a general index of Tipan’s importance, the form and content of Monuments 3 and 4 arguably provide a basis for identifying specific actors within the political network of which Tipan was part. To this extent, the presence of two—and perhaps more—ballplayer panels at Tipan greatly extends the regional sphere wherein panels bearing this motif are known, especially since these are the first such ballplayer panels known for Belize. As we have seen, closely comparable ballplayer panels are known for Uxul, La Corona, El Palmar, El Peru, Yaxchilan, Zapote Bobal, Dos Pilas, Tonina, Quirigua, and Calakmul. Bearing in mind that most of these sites were integrated into networks of allegiance and vassalage for large parts of the Late Classic, we suspect that these ballplayer panels speak of a greater system of allegiances cemented in part by public performances involving vassals and overlords participating in the ballgame. If this was indeed the case, Tipan may have been part of this greater system of vassalage, which tied it to Naranjo and thereby—however indirectly—to the Snake-head dynasty, since Naranjo’s Late Classic kings offered fidelity to Calakmul overlords (Martin and Grube 2000:74-80, 105-111; Grube 2004; Helmke and Kettunen 2011).

A review of the temporal incidence of the ballgame panels is also relevant since it shows some interesting patterns. For one, we can see that many of the earliest panels are found at sites in relative proximity to Calakmul, since that from La Corona commemorates a ballgame event during the reign of Yuhkno’om Yich’aak K’ahk’ (c. AD 686-695?), who is also named on the panels at Uxul and El Peru. As such this great ruler would appear as a heretofore unappreciated patron of

10 Assuming that the individual buried in Tomb 4 of Structure 2 is indeed Yuhkno’om Yich’aak K’ahk’, we should remark that Vera Tiesler, who has studied the skeletal remains, identified this individual as suffering from ankylosing spondylitis, a form of spinal arthritis affecting young males (Carrasco Vargas et al. 1999:53). This would naturally have hindered him in performing optimally on the ballcourt—and possibly his family at large, since this is a hereditary trait. Thus we are left to wonder how faithfully the texts record historical ballgame encounters between vassals and overlords. However, this may explain the absence of Yuhkno’om Yich’aak K’ahk’ on the panel from La Corona discussed above, as well as the stiff stance with which he is depicted on Uxul Panel 4.
the ballgame and one who was extremely fond of playing his vassals to cement alliances and secure fealty. Yet this pattern is one that probably can be traced back to earlier rulers of Calakmul since one of the Uxul panels may name Scroll Serpent (c. AD 579-611+) in connection with a ballgame; the hieroglyphic stair at Naranjo cites Tajo’m Uk’ab K’ahk’ (AD 622-630) in connection with a ballgame in AD 627; and the fragmentary panel at Calakmul may retrospectively depict Yuhkno’om Ch’een the Great (AD 636-686) (see Martin and Grube 2000:105-109). Confirming the antiquity of the ballgame patronage of Snake-head kings is the recently discovered Stela 47 at Naranjo, which shows the local lord “Aj Wosal” just days before his accession in 546, dressed not only as a ballplayer but impersonating Juun Ajaw (Martin et al. 2015)—the mythic figure known from the Popol Vuh for his exploits in underworld ballgames (Christenson 2007:142-168). However, what is most significant of all is the accompanying text which makes it clear that this ballgame was conducted “under the auspices” of none other than Tuun K’ab Hix, the contemporary Snake-head king (AD 520-546+). This fascinating monument aside, the ballgame panels properly speaking tend to appear at more distant sites at later dates, suggesting that we are seeing a genuine arterial diffusion pattern from Calakmul outwards. In sequence, according to the latest date recorded on each monument, we would have the panels of Tipan (c. AD 716), Dos Pilas (724), El Palmar (726), Tonina (727), Zapote Bobal (c. 736-744), Yaxchilan (c. 751), and finally Quirigua (c. 808) (see Mathews 1988:226; Tunesi 2007:6; Stuart 2013; Crasborn et al. 2012:375, 378; Tsukamoto et al. 2015:211-214) (Figure 19).11 Therefore identifying the ballgame motifs with the hegemonic aspirations of Calakmul and the networks of allegiances that were fostered is, on the face of it, a sensible conclusion.

Evidence of a possible connection with Calakmul is not unexpected considering the polity’s veritable “superpower” status and the far-reaching nature of the Snake-head dynasty’s influence during the Late Classic period including at supra-regional centers such as Caracol, to the south of Tipan (Martin and Grube 2000:88-95, 105-106). As is often noted, there is evidence that Calakmul eclipsed Tikal during the sixth century, displacing its patronage, resulting in the shifting of allegiances with former vassals aligning themselves with Calakmul. As we have noted elsewhere (Andres et al. 2014:54-55), Tipan’s Middle Classic ceramics may provide evidence of the community’s status as a client state of Tikal. With the defeat of Tikal at the hands of Caracol and its allies in AD 562, we see Tikal’s power wane and Naranjo’s influence increase during the Late Classic period, especially in this part of the Maya area (Martin and Grube 2000:74-81; Helmke and Awe 2012:74-80). Likewise, before the

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11 Here we might also consider the fantastic ballgame scenes painted on the walls of Naj Tunich, which include Drawings 21, 31, 39, and 51. Considering the groupings of imagery and text, only an approximate date can be offered for Drawing 21 on the basis of associated texts bearing Calendar ROUNDS that have been anchored to the Long Count. Based on the dates of Drawings 19, 23, 24, and 25, we can suggest that Drawing 21 was created at some point between 737 and 763 (see MacLeod and Stone 1995:Table 3). This dates fits the pattern of diffusion since Tipan to the north exhibits ballgame panels around 716 and Quirigua to the south in 808.
discovery of Monuments 3 and 4, we had already begun to explore the idea that the large monolithic panels that face the stair-side outsets at Tipan and its satellite sites of Yaxbe and Cahal Uitz Na represent a regional tradition that finds its origin in the Pasión area of Guatemala, and which may have been introduced to this part of the lowlands by Lady Six Sky from her native Dos Pilas when she moved to Naranjo in AD 682 to rekindle the dynasty (Andres et al. 2014; Martin and Grube 2000:74-75). This intriguing possibility may gain further support from Tipan Monument 3. To this extent, the mention made of the previously introduced Waterscroll Ocelot echoes the other reference cited in the text of Stela 31 at Naranjo (see Graham 1978:84). At present, we cannot be certain that the individuals mentioned at Tipan and at Naranjo, are one and the same, but considering the rarity of the name, and the contemporaneity of the monuments we find the evidence compelling.\footnote{The strong supernatural content of the texts accompanying the ballgame texts at Tipan may imply that the captions refer to the protagonists of a mythic game that was re- enacted by historical individuals (Felix Kupprat, personal communication 2015). The texts in Hieroglyphic Stair 2 at Yaxchilan provide some precedent, since the first part of Step VII describes a primordial game in mythic times and many of the other panels represent historical figures impersonating deities and conjuring divinities. Similarly, the text and imagery of the central marker of the ballcourt of phase AIIb at Copan shows the ruler Waxaklajuun Ubaah K’awiil dressed as an underworld deity confronting Juun Ajaw, materializing the mythic event that survives in the Popol Vuh (see Helmke et al. 2007:251; Martin et al. 2015; Tokovinine 2002:2-3).}

Possible evidence of Tipan’s newfound membership in a Calakmul-focused interaction sphere of course raises questions concerning the nature of such political interactions. While necessarily speculative, data available from Tipan and other locations may provide insight into the intensity of involvement and degree of control exerted by Calakmul over Tipan. Significantly, it is our growing suspicion that Tipan may have been integrated into such a Calakmul-focused network via Naranjo, whose close relationship with Calakmul is made apparent during the Middle Classic. As such, Naranjo Stela 25 records a clear statement of overlordship when it relates that Calakmul’s king, Tuun K’ab Hix presided over the accession of Naranjo’s incumbent ruler, “Aj Wosal” in AD 546, as we have already mentioned above (Martin and Grube 2000:72). Furthermore, Stela 1 at Naranjo unequivocally refers to K’ahk’ Tiliiw Chan Chaahk, on the day of his birth, as the vassal of Yuhkno’m Yich’aak K’ahk’, as powerful a statement as any (Martin and Grube 2000:75, 104).

A final aspect worthy of attention is how the existence of a possible hieroglyphic stair at Tipan may provide insight into the nature of this hypothesized relationship with Calakmul. At present, the secondary context of Tipan’s ballplayer panels raises questions about their original position on Str. A-1, whether they may be elements of a larger set of as yet undiscovered ballgame monuments, and whether they may have been components of a hieroglyphic stair. Based upon their scale and horizontal format, Monuments 3 and 4 certainly could have functioned as stair risers. Yet, as with the ballplayer panels seen at other sites, it remains a distinct possibility that the Tipan monuments were displaced from their original architectural contexts in antiquity and reset in terminal-phase construction, as is the case with the panels of many hieroglyphic stairs throughout the lowlands. While this possibility has yet to be demonstrated, a distinct overlap has been noted between areas of the Maya lowlands wherein sites with hieroglyphic stairs are found (see Boot 2011) and those with ballplayer panels. As such, we would suggest that this distribution is far from coincidental and is the material imprint of greater socio-political networks of alliance and vassalage, also attested in the glyphic corpus. Thus, wide swaths of the lowlands to the east and west of Tikal are known to exhibit either hieroglyphic stairs and/or ballplayer panels (Figure 20), and this appears to reflect the influence of the Snake-head kingdom. Of particular interest in this regard is a consideration of Calakmul’s apparently variable levels of involvement in the affairs of communities throughout the lowlands during the Late Classic (see Grube and Delvendahl 2014). On one level, Calakmul kings clearly exerted their influence at locations as far flung as Cancuen and Quirigua, yet the political involvement of the Snake-head dynasty does not appear to have significantly affected the agendas and trajectories of these communities, nor their rulers (Grube and Delvendahl 2014:93-94). Thus, the absence of clear and unequivocal evidence of Calakmul influence on Tipan’s architecture and site layout point to the indirect and less active role of Snake-head kings in central Belize. In contrast, Calakmul clearly exerted a heavier hand closer to home, with the centers of Naachtun and Oxpemul supporting Calakmul’s administrative aspirations via their apparent function as provincial capitals (Grube 2005) while La Corona evidently occupied a special place considering the repeated intermarriages between the two dynasties (Martin 2008). As Grube and Delvendahl (2014:93) have noted, however, formats of monumental expression correlate with areas of Calakmul influence, since references to Snake-head kings appear preferentially on panels and hieroglyphic stairs as opposed to other public monuments, such as stelae, at La Corona, Zapote Bobal, El Reinado, Naranjo, Cancuen, and Uxul. The existence of a hieroglyphic stair at Naranjo that makes prominent reference to Calakmul provides further support for this association (Tokovinine 2007). Nevertheless, it bears remembering that this hieroglyphic stair may find its origin at Caracol, where it was raised by the local ruler only to be dismantled in antiquity and transported to...
Figure 20. Distribution of archaeological sites in the Maya area with hieroglyphic stairs (circular markers) and location of sites with ballplayer panels (triangles); site density indicated by shading (map by Eva Jobbová).
Naranjo as a trophy of war (Martin and Grube 2000:73) (see Figure 20). This scenario has been strengthened by the discovery of a matching fragment at Caracol and another at the archaeological site of Ucanal, located two-fifths of the way from Caracol to Naranjo (Graham 1980:107, 110; Grube 1994:113, Fig. 9.14, 2004:198, Fig. 3).

Investigations at Tipan are still relatively new and we have yet to document direct references to Calakmul vassalage, at least to date, combined with the presence of panels that arguably correspond with this hypothesized signature of Calakmul vassalage, may well reflect Tipan’s membership in an sphere of interaction that was presided over by Snake-head kings. Though the evidence currently available speaks against direct and strongly hegemonic relations between Calakmul and Tipan, there is good reason to believe that future investigations will yield additional finds that will clarify the place of Tipan in the networks of allegiances connecting centers in the central Maya lowlands.

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We would like to thank the Belize Institute of Archaeology for granting us permission to conduct the research reported on herein. Our research has been supported and funded by a variety of institutions, including the University of Mississippi at Oxford, Indiana University-Purdue University Fort Wayne, Indiana University’s New Frontiers in the Arts and Humanities program, the University of Calgary, Michigan State University, and the Internationalisation Committee of the Institute of Cross-Cultural and Regional Studies, University of Copenhagen. We are grateful to the residents of Springfield and Armenia, Belize, for their support of our research activities, and to Mr. David Hayles for granting us access to Tipan. The excavation and recovery of Monuments 3 and 4 would have been possible without assistance from Franz “Pancho” Harder and Hugo Claro. To Dmitri Beliaev, Guido Krempel, Felix Kupprat, Sebastián Matteo, Alexandre Tokovinine, and Verónica Vázquez López, many thanks for their help and for commenting on an earlier version of this paper, making suggestions that have improved the epigraphic content of the paper. Thank you also to the Atlas Epigráfico de Petén for sharing photographs of Naranjo’s ballcourt sculpture upon which the drawing presented above is based. We are grateful to Eva Jobbová for kindly and expertly preparing the GIS map included at the end of this paper. Thanks also to Justin Kerr for allowing us to reproduce parts of his excellent roll-out photographs. Thanks also to the President and Fellows of Harvard University College as well as the Peabody Museum of Archaeology and Ethnology for permission to reproduce the drawings of Naranjo Stelae 28 and 31. Our appreciation to Jessica Desany Ganong for all her help in securing photographs and drawings from the archives of the Corpus of Maya Hieroglyphic Inscriptions. To Ramzy Barrois and Harri Kettunen warm thanks for the great ballgame workshops that we have tutored together over the years. Finally, our gratitude to John Morris and Jaime Awe for encouraging our research in the Roaring Creek Works. Any shortcomings of fact or interpretation are ours alone.

References


Andres, Christopher R., Gabriel D. Wrobel, Shawn G. Morton, and Jason J. González 2011a Insights into pre-Hispanic Maya Power and Status in the Caves Branch River Valley. Research Reports in Belizean Archaeology 8:43-54.


Awe, Jaime, J., Mark D. Campbell, and James Conlon  

Awe, Jaime J., Claire E. Ebert, and Julie Hoggarth  

Awe, Jaime J., and Christophe Helmke  

---

Canuto, Marcello A., and Tomás Barrientos Q.  

Carrasco Vargas, Ramón, Sylviane Boucher, Paula Álvarez González, Vera Tiesler Blos, Valeria García Vierna, Renata García Moreno, and Javier Vázquez Negrete  

Chase, Arlen F., and Chase Diane Z.  

Christenson, Allen J.  

Closs, Michael P.  

Coe, Michael D.  

Cohodas, Marvin  

Colas, Pierre Robert  

Cristensen, Allen J.  

Conlon, James M., and Jennifer J. Ehret  

Crasborn, José, Elizabeth Marroquín, Federico Fahsen, and María Elena Vega  

---

Bíró, Péter  

Booth, Erik  

Booth, Erik  
Eberl, Markus, and Victoria Bricker

Ehret, Jennifer J., and James M. Conlon

Freidel, David, Linda Schele, and Joy Parker

Golden, Mark

González, Jason J., and Cameron Howell

Graham, Ian


Grube, Nikolai


2012 Der Dresdner Maya-Kalender: Der vollständige Codex. Verlag Herder, Freiburg.

Grube, Nikolai, and Kai Delvendahl

Grube, Nikolai, and Simon Martin

Grube, Nikolai, and Werner Nahm

Guenter, Stanley

Hammond, Norman

Hellmuth, Nicholas M.

Helmke, Christophe


2014 A Carved Speleothem Monument at Yaxchilan, Mexico. Paper presented at Lighting Dark Passages: Celebrating Thirty Years of James E. Brady’s Contributions to Cave Archaeology. 79th Annual Meeting of the Society for American Archaeology, Austin, Apr. 24th.

Helmke, Christophe, and Christopher R. Andres
2015 Discovery and Description of Monument 2 at Tipan Chen Uitz, Belize. Mexicon 37(5):112-117.

Helmke, Christophe, and Jaime J. Awe

Helmke, Christophe, Jaime J. Awe, and Nikolai Grube
Helmke, Christophe, and Harri Kettunen

Helmke, Christophe, Harri Kettunen and Ramzy R. Barrois
2007 The Classic Maya Ballgame. 1st Maya at the Playa Conference, Florida Department of Education, Flagler County Schools, Palm Coast.

Helmke, Christophe, and Jesper Nielsen

Helmke, Christophe, and Gabriel Wrobel
2012 Je’reftheel, Roaring Creek Works, Belize. In Helmke, Christophe, and Gabriel Wrobel

Hofling, Charles Andrew, and Félix Fernando Tesucún

Houston, Stephen D.


Houston, Stephen D., Héctor Escobedo, Charles Golden, Andrew Scherer, Rosaura Vásquez, Ana Lucía Arroyave, Fabiola Quiroa, and Juan Carlos Meléndez

Houston, Stephen, and David Stuart

Houston, Stephen D., David Stuart, and Karl Taube

Jones, Christopher, and Linton Satterthwaite

Kowalski, Jeff K.
1989 The Mythological Identity of the Figure on the La Esperanza (“Chinkultic”) Ball Court Marker. Research Reports on Ancient Maya Writing 27:13-24.

Kowalski, Jeff K., and William L. Fash

Kyle, Donald G.

Lacadena, Alfonso
2003 El Corpus Glífico de Ek’ Balam, Yucatán, México. Foundation for the Advancement of Mesoamerican Studies, Inc.: www.famsi.org/reports/01057es/

Law, Danny, John Robertson, Stephen Houston, Marc Zender, and David Stuart

Lee, David F.

Lee, David F., and Jennifer C. Piehl

Leyenaar, Ted J. J.

Leyenaar, Ted J. J., and Lee A. Parsons, eds.

MacLeod, Barbara, and Andrea J. Stone

Marcus, Joyce

Martin, Simon

For Love of the Game


Martin, Simon, and Joel Skidmore 2012 Exploring the 584286 Correlation between the Maya and European Calendars. The PARI Journal 13(2):3-16.


Miller, Mary E., and Claudia Brittenham 2013 The Spectacle of the Late Maya Court: Reflections on the Murals of Bonampak. University of Texas Press, Austin.


Schele, Linda, and Matthew Looper 1996 Notebook for the XXth Maya Hieroglyphic Workshop at Texas: Quiriguá and Copán. Department of Art and Art History, College of Fine Arts & Institute of Latin American Studies, University of Texas at Austin, Austin.


Stone, Andrea, and Marc Zender

Stuart, David
2001 La ruinas de La Corona, Petén, y la identificación del ‘Sitio Q.’ Paper presented at the XV Simposio de Investigaciones Arqueológicas en Guatemala, Guatemala City.
2005 *The Inscriptions from Temple XIX at Palenque: A Commentary*. Pre-Columbian Art Research Institute, San Francisco.

Stuart, David, Marcello A. Canuto, and Tomás Barrientos Q.

Stuart, David, and Stephen Houston

Taschek, Jennifer T., and Joseph W. Ball

Tokovinine, Alexandre

Tsukamoto, Kenichiro, Javier López Camacho, Luz Evelia Campaña Valenzuela, Hirokazu Kotegawa, and Octavio Q. Esparza Olguín

Tunisi, Raphael

Turner, Ellen Sue, Norman I. Turner, and R.E.W. Adams

Villaseñor, Isabel, and Christophe Helmke

Willey, Gordon R., William R. Bullard Jr., John B. Glass, and James C. Gifford

Wrobel, Gabriel D., Christopher R. Andres, Shawn G. Morton, Rebecca Shelton, Amy Michael, and Christophe Helmke

Wrobel, Gabriel D., Rebecca Shelton, Shawn Morton, Joshua Lynch, and Christopher Andres
2013 The View of Maya Mortuary Cave Ritual from Overlook Rockshelter (OVR), Caves Branch River Valley, Central Belize. *Journal of Cave and Karst Studies* 75(2):126-135.

Zender, Marc

Zender, Marc, and Joel Skidmore
The Maya Goddess of Painting, Writing, and Decorated Textiles

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Berry College

Several of the Maya goddesses discussed in contact-period Spanish documents from Yucatan remain little understood by scholars. One such deity is the Maya goddess of painting, writing, and decorated textiles. Spanish sources call this goddess Ix Chebel Yax “Lady Paintbrush Blue-Green” yet this name does not appear in Maya language documents like the Books of Chilam Balam. In this paper, I argue that this goddess does appear in colonial Maya language texts, although under different titles. I demonstrate this with examples of two mythological episodes appearing in the healing chants of the Ritual of the Bacabs. The first episode is a previously unknown myth of the origin of tree colors. The second is a version of the myth of the sacrifice of the reptilian earth, of which other versions have been documented in Classic, Postclassic, and Colonial Period Maya sources. I show that the goddess played a hitherto unrecognized but important role in these mythologies. Furthermore, identification of the goddess’s roles and accoutrements in these Maya language texts raises important questions about the changing relationships between religion, gender, and artistic production in Precolumbian and contact-period Maya civilization.

When Spaniards first arrived in Yucatan, they encountered a Maya religion peopled by numerous female divinities, some of them still little understood by scholars to this day. In his Relación de las Cosas de Yucatán, Diego de Landa (1973:5) reports how in 1517, Francisco Hernández de Córdoba:

…landed on Isla de las Mujeres, to which he gave this name because of the idols he found there, of the goddesses of the country. Aixchel, Ixchebeliax, Ixhunié, Ixhunieta, vested from the girdle down, and having the breasts covered after the manner of the Indians. The building was of stone, such as to astonish them; and they found certain objects of gold, which they took.

Of the goddesses Córdoba encountered, by far the best and most widely known is Ix Chel. Landa (1973:72) calls Ix Chel the goddess of medicine, alongside several male gods of medicine he lists, including Itzamna. Two more of the goddesses Córdoba encountered, Ix Hun Ye Ta and Ix Hun Ye Toon, appear by name in the collection of chants and medical remedies known as the Ritual of the Bacabs. For example, in the chant against the Jaguar-Macaw tancas, we find three of the goddesses of Isla de las Mujeres invoked as originating this sickness (Table 1).

The organization of deities in these examples into quadripartite groupings is rooted in Precolumbian theology. As Vail (2000) has demonstrated, Maya deities in the Postclassic codices from Yucatan are organized not so much as discrete entities but rather as members of overlapping complexes of deities with multiple manifestations. What Córdoba likely encountered at

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1 Marc Zender (personal communication 2015) suggests the deity names Ix Hun Ye Ta and Ix Hun Ye Ton might be translated as “Lady One Tooth [of] Obsidian” and “Lady One Tooth [of] Stone” in keeping with similar Classic-period naming practices documented for the deity G1 at Palenque. I agree this may be the case if the names originated early in the Classic period, but by the later Precolumbian and Colonial periods these deity names would have been understood differently by speakers of Yucatec Maya. The Diccionario de San Francisco renders ye as “a pointed or sharp-edged thing” (Bolles 2010) and one meaning of ta in the Calepino Maya de Motul is a “lancet or knife of flint” (Ciudad Real 2001:517). Ton or toon in colonial Yucatec manuscripts meant “penis” rather than “stone” (although it is conceivable the archaic form of the latter word could have been maintained in the esoteric genres). Besides appearing in colonial katun prophecies, elsewhere in the Ritual of the Bacabs (manuscript page 32) ta and ton are mentioned as paired components present in the ramada-covered quadripartite altar space (zulbal) where bloodletting is being performed. A scene from the murals of the Great Ballcourt at Chichen Itza illustrates that penile bloodletting with lancets was performed before the large stone phalli peculiar to Maya sites of the Northern Lowlands during the Late and Terminal Classic periods (Ardren and Hixon 2006). The Yucatec Maya continued this practice of penile bloodletting through at least the end of the sixteenth century, and autosacrifice more generally was practiced in Yucatan into at least the nineteenth century (Chuchiak 2000:344-349).

2 Taube (1992:1, 145) also notes overlapping attributes and functions of Postclassic deities within a system of otherwise discrete beings, but to my knowledge Vail’s (2000) is the first work to systematically analyze patterns in the discrepancies between appellative glyphs and deity images that appear in the codices.
Isla de las Mujeres were material manifestations of a quadripartite grouping or deity complex. While three of the goddesses he encountered—Ix Chel, Ix Hun Ye Ta, Ix Hun Ye (Toon)—appear by name in colonial Maya language sources, the fourth does not. The name Ix Chebel Yax is found in neither the Books of the Chilam Balam (Miram and Miram 1988) nor the Ritual of the Bacabs (Arzápalo Marín 1987). The name does appear in other colonial Spanish language sources, however. A mangled rendition of the name, <chibirias> (i.e., Chebel Yax), was given by the cleric Francisco Hernández in an early sixteenth century letter to Bartolomé de Las Casas (1967:1:648-649). The priest reported that this goddess was the daughter of <hischen> (Ix Chel) and the mother of <bacab>, the latter whose father was <izona> (Itzamna). The seventeenth-century historian López de Cogolludo (1957:196) relates in his chapter on Maya ‘idols’ that, while Itzamna was the “inventor of the characters that served as letters for the Indians”:

Otro Idolo era figura vna muger inuentora de pintura, y entretezner figuras en las ropas que veñtian, por lo qual la adoraban, y la llamaban Yxchebelyax.

Another idol was the figure of a female inventor of painting and of interweaving figures in the clothes they wore. For this they worshipped her and called her Yxchebelyax.

The association between painting, writing, and decorated textiles is ancient among the Maya, who worked iconographic and hieroglyphic designs into their clothing. Depictions of high status women in the Classic period often show them adorned in elaborate clothes, decorated at times with glyphs that may have been woven or painted onto them (Figure 1).

### Table 1. Ritual of the Bacabs, manuscript page 4, translation by the author.

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td><em>ca sihech</em></td>
<td>Then you [i.e., the sickness] were born:</td>
</tr>
<tr>
<td><em>max a na</em></td>
<td>Who is your mother?</td>
</tr>
<tr>
<td><em>max a coob cit ca chabtabech</em></td>
<td>Who was your sire when you were engendered?</td>
</tr>
<tr>
<td><em>chacall ix chel</em></td>
<td>Red Ix Chel,(^3)</td>
</tr>
<tr>
<td><em>sacal ix chel</em></td>
<td>White Ix Chel,</td>
</tr>
<tr>
<td><em>yx hun ye ta</em></td>
<td>Ix Hun Ye Ta,</td>
</tr>
<tr>
<td><em>yx hun ye toon</em></td>
<td>Ix Hun Ye Toon.</td>
</tr>
<tr>
<td><em>la a na</em></td>
<td>This is your mother,</td>
</tr>
<tr>
<td><em>la a coba cit</em></td>
<td>This is your sire.</td>
</tr>
</tbody>
</table>

\(^3\) Although I translate *chacal* as “red” and *sacal* as “white,” it is important to note there may be additional nuances not captured in these translations. In Colonial Yucatec, CVC color terms take a –[V] suffix in the names of some plants, objects, and gods. Colors in Classic Maya texts sometimes take the -[V] suffix which Houston and colleagues (2009:21-22) translate as an inchoative form. In colonial Yucatec manuscripts, imperfective inchoatives are written –h-al or –h-il; the vowel represented in either case is the schwa [a] (Bricker and Orie 2014:188-189). The name of a storm god in the Ritual of the Bacabs is sometimes written as Yaxal Chac (manuscript pages 81 and 89) and at other times as Yaxhal Chac (manuscript pages 3 and 154), but it is unclear whether the scribe is eliding an inchoative –h- or whether the additional –h- is itself a scribal error. In Itzaj, the rederived adjectival form *chäkäl* means “reddish” (Hofling 2000:151), and it is possible a similar semantic change was meant in Colonial Yucatec that did not make it into the colonial dictionaries and grammars.

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Figure 1. Classic-period depiction of woman wearing decorated clothing with hieroglyphic trim. Detail of painted ceramic vase K764 (photo courtesy of Justin Kerr).
The name Ix Chebel Yax reflects the domains of human activity Cogolludo ascribes to her. Thus, chebel is the adjectival form of cheeb, which in colonial Yucatec Maya can refer to either a ‘writing plume’ or to a ‘paintbrush’ (pincel de pintar; Ciudad Real 2001:192). The noun cheeb also appears spelled syllabically as che-ibu and che-ee-ibu centuries earlier in Classic-period texts (Boot 1997:64-67, Fig. 4; Coe and Kerr 1998:148-149).

The name Ix Chebel Yax therefore can be translated “Lady Paintbrush Blue-Green” with “paintbrush” perhaps serving as an adjective modifying the color term. Here, yax evidently refers to one of the several colors of pigments employed in Precolumbian times but also to the notions of moisture, vegetation, and preciousness the color evokes in Maya systems of color symbolism (Houston et al. 2009:40).

As evocative as this is, what are we to make of the absence of the name Ix Chebel Yax in colonial Maya sources? Her appearance in some of the earliest Spanish reports discounts the possibility of the goddess being a later Colonial addition to the Maya pantheon. Given how rapidly competence in Maya writing was extinguished (Houston et al. 2003), at least in the northwestern part of the peninsula (Chuchiak 2010), it is conceivable that this Late Postclassic scribal goddess could have faded into oblivion without leaving a trace in the post-invasion Maya alphabetic sources. Yet another possibility is that Ix Chebel Yax is but one of several titles for this Late Postclassic goddess, who appears under other names in the extant Maya sources. For example, Cogolludo (1957 [1688]:196) noted that a single Maya goddess might be known by otros diversos nombres (i.e., “various other names”).

In what follows I argue that the goddess of painting, writing, and decorated textiles does appear in Maya language sources. Specifically, she appears in oblique mythological episodes in the eighteenth century collection of Maya healing chants known as the Ritual of the Bacabs. As a source, the Ritual of the Bacabs is characterized by intentional archaism, including the use of metaphors that are almost unknown outside of Classic-period written sources (Knowlton 2010, 2012). In this paper I demonstrate from these colonial sources that the goddess played a hitherto unrecognized but important role in these later mythologies. These mythologies include the well-documented episode of the sacrifice of the reptilian earth, of which versions appear in Classic, Postclassic, and Colonial Period Maya sources (Taube 1989, 1992; Stuart 2005a; Velásquez García 2006; Knowlton 2010:Ch. 4).

### The Origins of the Colors of Trees

Although not appearing by the name Ix Chebel Yax, the Maya goddess of painting, writing, and decorated textiles does appear in episodes of the Ritual of the Bacabs that must have been part of larger mythological narrativess. One such narrative tells of how trees acquired their current colors—in particular, two trees of significant medicinal, ritual, and practical use. This episode appears in the first of two chants treating xnok ti co “a worm in the tooth” or tooth decay found on manuscript pages 162–167 (Table 2).

<table>
<thead>
<tr>
<th>chant</th>
<th>translation</th>
</tr>
</thead>
<tbody>
<tr>
<td>sam tun a sib chacal lum</td>
<td>A while ago you painted [with] red soil.5</td>
</tr>
<tr>
<td>tab t a chac [164] [chec]</td>
<td>Your painting occurs [with] a red writing instrument,</td>
</tr>
<tr>
<td>uchic a sib chacal cheb</td>
<td></td>
</tr>
<tr>
<td>tij t a chac y etun luum tij chuen</td>
<td>When you dripped on the artwork with soil.</td>
</tr>
<tr>
<td>la ta [to] zibtabci u le chacal t a si[btah] chacal chacah</td>
<td>After its leaves were painted,</td>
</tr>
<tr>
<td>habin chacal yaxcab</td>
<td>Red you painted the red gumbo-limbo tree,</td>
</tr>
<tr>
<td>la ta [to] zibtabci u le chacal chacah</td>
<td>The habin tree [with] parboiled Maya blue,</td>
</tr>
<tr>
<td>sam tun a [sib] chacal lum</td>
<td>After the leaves of the red gumbo-limbo tree.</td>
</tr>
</tbody>
</table>

Table 2. Ritual of the Bacabs, manuscript pages 163–164, translation by the author.

4 According to the Vienna Dictionary, kakal cab refers to a glowworm (Acuña 1993:378). I am interpreting kakal nok “fiery worm” as an otherwise unattested name for the same or similar insect.

5 See note 3.
2001:525). The goddess is invoked here against tooth decay in part as a play on homonymy in the language. Thus, nok can refer to a literal worm such as a caterpillar, or in this context to tooth decay. At the same time, however, nok is the general Yucatec term for clothing. These paired appellations overlap precisely with the domains of Ix Chebel Yax as described by Cogolludo (1957), as deity of both painting and of decorated clothing.

The chant itself gives us a brief glimpse into the larger mythology in which the goddess participated: the origin of tree colors. The focus is not on the yaxche or ceiba tree, which probably became even more important during the Colonial period in the emerging hybrid cosmology (Knowlton and Vail 2010). Instead the mythology here discusses two trees abundant in the region that are of significant practical, medicinal, and ritual importance: the chacah and the habin trees.

The chacah tree has long been important for the Maya of Yucatan (Figure 2), appearing as a significant source of firewood and as a major component in a variety of medical treatments from colonial sources up through the present day (Roys 1931:227-228; Kunow 2003:113; Balam Pereira 2011). The “red earth” with which the tree is painted in the myth is one of the common soils of Yucatan’s karst environment, which has a reddish color due to the presence of iron oxide (Weisbach et al. 2002). The mineral form of iron oxide, reddish hematite, was a commonly used pigment source in ancient Maya communities (Houston et al. 2009). The chacah tree’s reddish-brown and peeling bark stands out amidst the forest greenery, as if a goddess had coated its trunk with red Yucatecan soil.

In contrast with the reddish-brown chacah, the bark of the habin tree is a splotchy olive-gray (Figure 3). It likewise has been in wide use in medical treatments from the earliest sources to the present, as well as being used for construction due to its durability (Roys 1931:242; Kunow 2003:131; Balam Pereira 2011). Both the chacah and habin trees are also used today by h menob (shamans) in contemporary cha chac rainmaking ceremonies for the construction of the altar cross and arches of the central ritual space (Salvador Flores and Kantún Balam 1997). Furthermore, the sturdy habin is especially favored for elements of this rite’s xtasche altar table (author’s field notes, Yaxunah, Yucatan, Mexico, June 2013). The colonial healers who recited these chants also likely served the community in performing an earlier form of the rainmaking ceremony, just as many contemporary h menob perform both individual healings and community-wide rituals today (Love 2012). Perhaps also of significance

Figure 2. The chacah or gumbo-limbo tree (Bursera simaruba L. Sarg.), Coba, Quintana Roo, Mexico, 13 January, 2015 (photo: Timothy Knowlton).

Figure 3. The habin or Jamaican dogwood tree (Piscidia piscipula L. Sarg.), Yaxunah, Yucatan, Mexico, 14 January 2015 (photo: Timothy Knowlton).
is that both trees were used in producing organic colorants, an extract of the habin for producing a light red plaster and the carbonized resin of the chacah to produce a black pigment (Houston et al. 2009:105, 108).

Both Roys (1965:55) and Arzápalo Marín (1987:388) assume the term yaxcab in the incantation refers to a third tree, despite being unable to locate a tree by this name in any of the documentary sources. In fact, the Vienna Spanish-Maya dictionary (Acuña 1993:171) notes that yaxcab is “cardenillo, confición hecha de añir y tierra blanca” (“verdigris, a product made of indigo and white earth”). This is undoubtedly a reference to Maya blue pigment, made from indigo (indigo)

Roys and Arzápalo Marín likely were misled by the homynomy of the term chacal, which both scholars interpreted as “red.” However, chacal is also the adjectival form of the verb chac, meaning to parboil (Bricker et al. 1998:61). Parboiling is the process by which Maya blue is made, as the indigo fixes itself to the palygorskite once heated in water (Magaloni Kerpel 2014:43). Therefore, a Maya blue lake that has been prepared for use would be chacal yaxcab. This incantation provides us with a previously unknown episode of Maya mythology relating to important elements of the natural environment that people have made use of on an almost daily basis.

Painting the Reptilian Earth

The goddess of painting, writing, and decorated cloth also plays an important role in the mythologies surrounding the creation of the earth from the sacrifice of a reptilian deity. Several scholars have remarked on versions of this myth involving the sacrifice of the crocodilian god Itzam Cab Ain (Taube 1989, 1992; Stuart 2005a; Velásquez García 2006; Knowlton 2010:73). The example in which the goddess appears is in an incantation against the sickness yx hunpekin tancas, found on manuscript pages 83 through 90. Tancas is the term for a sickness caused by a non-human being. These often accompany the ikob (personified winds; Redfield and Villa Rojas 1934:166–167) sent as punishment by the non-human lords (yumob) of a location, or transmitted by insects escaping from underworld portals like cenotes (interview with h men, Yaxunah, Yucatan, Mexico, 17 June 2013). The colonial Maya healing chants of the Ritual of the Bacabs often attribute tancas sickness to animals and chimeric animal-like beings. Some examples include balam mo tancas “jaguar-macaw tancas,” ah co tancas “puma tancas,” and ceh tancas “deer tancas.” Some chants are directed against sicknesses resulting from attacks by insects, including the stings of spiders (am) and scorpions (sinan), as well as tancas manifestations of tarantulas (chiuoh) and wasps (xixi). Other chants are directed against poisonous reptiles such as rattlesnakes (ahaucan) and fer-de-lances (kanchah) that a sorcerer might surreptitiously cast into a person’s stomach. These faunal or chimeric tancas emerge from the dangerous undomesticated spaces of Maya cosmology (see Taube 2003), and likely have predecessors in the walthy spirits of Classic Maya civilization (Stuart 2005b; Helmke and Nielsen 2009).

In this chant, the sickness takes its name from the yx hunpekin or beaded lizard (Heloderma horridum). The beaded lizard is the larger relative of the Gila monster and is currently found in the Maya area in parts of Chiapas and Guatemala. Although its bite is painful and venomous, its hemotoxin is only rarely life-threatening to humans. In the most serious cases, beaded lizard venom can cause cardiac and respiratory irregularities associated with anaphylaxis (Beck 2005:44–45, 57-59). I believe it is probably due to the respiratory irregularities the beaded lizard can cause that the scribe introduces the chant against its tancas immediately following two incantations against asthma. Heloderma have been prominent in the folklore and popular medicine of both indigenous peoples and colonists in the regions where they are found (Beck 2005:Ch. 1). Exaggerations of the beaded lizard’s toxicity and abilities are found in Yucatecan documents from the sixteenth through twentieth centuries (Roys 1931:333). In colonial times, the beaded lizard also lent its name to several medicinal plants, including the Aloe vera L. The Maya referred to this introduced plant as hunpekin ci (beaded lizard agave), and it has been used to treat ailments associated with the lizard (Roys 1931:246). It is tempting to speculate that the association between animal and plant was made initially due to aloe’s vaguely reptilian appearance (Figure 4).

In the colonial chant against the yx hunpekin tancas,
the goddess of painting is invoked as a member of the deity complex that gave birth to the sickness. This deity complex includes other goddesses whom Córdoba encountered on Isla de las Mujeres in 1517 (Table 3).

Table 3. Ritual of the Bacabs, manuscript page 83, translation by the author.

<table>
<thead>
<tr>
<th>u thanil yx hunpeokin tancas lae</th>
<th>This is the incantation for the beaded lizard tancas</th>
</tr>
</thead>
<tbody>
<tr>
<td>...</td>
<td></td>
</tr>
<tr>
<td>hunuc can ahau</td>
<td>Eternal Four Ahau:</td>
</tr>
<tr>
<td>silihici huntehi u kinil</td>
<td>She gave birth only once by day,</td>
</tr>
<tr>
<td>huntenhi y akibil</td>
<td>Only once by night,</td>
</tr>
<tr>
<td>hun kin ca sihu</td>
<td>One day when it was born,</td>
</tr>
<tr>
<td>hun kin c u pec t u nak u na</td>
<td>One day it wiggles in its mother’s abdomen.</td>
</tr>
<tr>
<td>max u na</td>
<td>Who is its mother?</td>
</tr>
<tr>
<td>y al ix yx hunye ta</td>
<td>And it is the child of Ix Hun Ye Ta,</td>
</tr>
<tr>
<td>yx hunye ton</td>
<td>Ix Hun Ye Ton,</td>
</tr>
<tr>
<td>yx hun tah ob</td>
<td>One Patroness of Painting-Writing,</td>
</tr>
<tr>
<td>x hun tah uoh</td>
<td>One Patroness of Written Characters.</td>
</tr>
</tbody>
</table>

Table 4. Ritual of the Bacabs, manuscript pages 83–84, translation by the author.

| max u kalo                      | Who is sealed up there,                             |
| ci bin y alabal yax huh lo     | According to the meaning of First Iguana there,     |
| yax yṣam                       | First Crocodilian,                                  |
| yax haam [hay] cab             | First World-Destruction,                            |
| yax bekel[clh]                 | First Basilisk?                                    |
| tux tu chah yen u balo [84]    | Where did it take up arms?                          |
| ti tu chah y icnal u yum kin   | It took them there in the presence of its father the sun, |
| chac ahau yṣamma                | Great Lord Itzamna.                                 |
| tub tu tu chah u cabil u pach  | Where did it take the fortifications?               |
| hun kin cooaan ti y ol nicte   | For a day it coiled in the heart of the Plumeria tree, |
| ti y ol xuchi                  | In the heart of the flower.                         |
| tux tu chah u am               | Where did it take the divination stone?             |
| y icnal x yaxal chuen          | In the presence of Lady Blue-Green Artist,          |
| ti tu chah chacal yaxcab       | When she dripped the parboiled Maya blue pigment.   |
| tub tu chah u uelal u uich     | Where did it take the blindfold?                    |
| ti tu chah y icnal sac bat [bao?] | It took it there in the presence of White Howler Monkey, |
| ti y ol chuene                 | In the heart of this artwork.                        |
| ti tu chah chacal sabac        | (S)he dripped the red ink there,                     |
| sac ek sabac kanal sabac       | The white [ink], the black ink, the yellow ink.     |
| la oc tu uelal u uich           | This entered the blindfold,                         |
| sihom takin oc t uu ich         | The golden soapberry seed entered [the patient’s] eye |
| suhuuy pechech [pechech] la    | This pure spinddle,                                 |
| oc [85] t u ne                  | It entered his/her tailbone.                        |
| oipit kab oc t uy it            | The ring entered his/her anus.                      |
| sum chebil kuch oc t u chochel  | The woven cotton rope entered his/her intestines.   |
Here we are introduced to a third appellation of the goddess of painting, Ix Hun Tah Uoh “One Patroness of Written Characters.” In colonial Maya language documents, uoh is more closely associated with glyphic writing (Hanks 2010:175) and with written characters as sources of esoteric knowledge (Knowlton 2015). The chant continues by introducing the mythological conflict behind the origins of the beaded lizard sickness (Table 4).

Like deities and other significant beings of the Ritual of the Bacabs, the crocodilian Itzam appears as a member of a quadripartite complex made up of numerous reptiles. Furthermore, its appearance is understood as a sign to be interpreted as having meaning (ct bin y alabal), just as Itzam Cab Ain was prior to its sacrifice in the Book of Chilam Balam of Tizimin (Knowlton 2010:73). The patient afflicted by the reptilian tancas is said to be “sealed up” (kal), likely a reference to the respiratory difficulties associated with the sickness. The references to arms and fortifications suggest the cure takes the form of a recapitulation of a mythological conflict that, as we shall see, was resolved with the sacrifice of the reptilian earth.

At this point in the chant, the goddess of painting is referred to by the title X Yaxal Chuen (Lady Blue-Green Artist). Parboiled Maya blue pigment is dripped, presumably on the am divination stones taken up. Landa (1978:72) reports that, during the festival to Ix Chel in the month of Sip, am divination stones were smeared with “a blue bitumen like that of the books of the priests” just as human captives were prior to sacrifice.

In parallel with Lady Blue-Green Artist another personage is invoked, whose name is rendered as Sac Bat. Given the context and the fact that the manuscript at times suffers from scribal errors, it is tempting to read this instead as Sac Bo “White Howler Monkey.” The name Sac(al) Chuen also appears a few times in the manuscript. In addition to appearing in the colonial chants, Sac Chuen is a monkey name appearing in the Classic-period texts of Naranjo (Houston et al. 2009:25). The pairing of Ba and Chuen of course recalls Hun Batz and Hun Chuen of the K’iche’ Maya Popol Vuh, the great artists who are turned into monkeys by the Hero Twins, and who served as patrons of the scribal arts during the Classic period (Coe 1977). The discovery of a Late Postclassic polychrome incense burner at Mayapan in the form of a simian scribe has established that this association of monkeys with scribes continued after the Classic period in the Northern Lowlands as well (Milbrath and Peraza Lope 2003).

The imagery of objects entering the body of the patient may refer to physical signs accompanying anaphylaxis (the “sealing up” of the patient) or perhaps of other ailments the colonial Maya considered similar. The objects listed as “entering” the body of the patient (soapberry seed, spindle, ring, and woven cotton rope) are not unique to the goddess of painting and decorated cloth. Rather, these appear in the incantations as the equipment of other goddesses also, including the underworld goddess Ix Hun Ahau (Knowlton n.d.). Here and elsewhere the symbols may refer to actual equipment employed by the healer during the incantation’s performance. For example, a contemporary Maya healer explained to me that the thread he used to connect gourds full of saca (ceremonial corn drink) in the course of a cure was to invoke the presence (y inca) of Ma’ Colel, another goddess also known from colonial sources (author’s field notes, Yaxunah, Yucatan, Mexico, 6 January 2015). Therefore, materials and tools for weaving may serve as a means of invoking the presence of a female deity in ritual, because of the longstanding association of women with textile production (Table 5).

As the chant continues, the reptilian god manifests as four chimeric combinations of the beaded lizard with different types of serpents. This association is perhaps unsurprising, given that beaded lizards share a more recent common ancestor with snakes than most other lizards (Beck 2005:1). These chimeric lizard-snakes are the sickness-causing winds (ik) that attack a person from their lairs in caves or in piles of dead leaves, and presumably are responsible for patient’s illness.

As several scholars have pointed out, the 1572 Relación de la Ciudad de Mérida describes a Maya ceremony in which “they painted a lizard that signified the Flood and the earth” (pintaban un lagarto que significaba el Diluvio y la tierra; de la Garza 1983:1:72). In this case, however, the crocodilian Yax Itzam takes on another composite form, that of a beaded lizard-turtle (hunpaz ac). Like crocodilians, the turtle also represents the earth in Precolumbian Maya iconography (Taube 1988). The goddess of painting finishes painting the back of this beaded lizard-turtle in preparation for its sacrifice, at which point the chimeric reptile is revealed to be u na kin “the house of the day” and u na a kab “the house of the night.” An alternate reading of this phrase would be “the mother of the day,” as the possessed form of “house” is Yucatec is usually -otcho. However, colonial texts discussing cosmological topics occasionally use a possessed form of na, as when the Book of Chilam Balam of Kaua says of the sickness-causing sky animals (ah chibal canob) that celob u naob ti can “cold are their houses in the sky” (Bricker and Miram 2002:99). As the earth, the turtle is the “house” into which the sun enters at night and emerges from at dawn from the perspective of an earthbound observer. Perhaps participating in the same shared symbolism described in this chant is

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6 Uoh is also attested in Classic-period hieroglyphic inscriptions, rendered wo:j(o) on the Tablet of the 96 Glyphs (L5b) of Palenque, Chiapas, Mexico, as well as in several other contexts.
a sacrificial rite depicted in the Madrid Codex (Figure 5). In this scene the sun glyph follows a cord emerging from the carapace of a turtle atop some kind of altar. The glyph YAX “blue-green” appears on the back of the turtle’s carapace (see Vail and Hernández 2013:Ch. 9 for an analysis of this scene and related almanacs). Of the five deities participating in the rite, the central figure is God D. This deity is often interpreted as the Precolumbian version of the deity Itzamna, who appears alongside Lady Blue-Green Artist and White Howler Monkey in the section of the colonial incantation discussed earlier.

The incantation goes on to relate that the reptilian deity’s throat is cut (xot u cal), using the same terminology as the sacrifice of Itzam Cab Ain in the Book of Chilam Balam of Tizimin (Knowlton 2010:73). This scene has deep roots in antiquity, paralleling the much earlier Classic-period account of the beheading of the painted-back crocodilian on the Temple XIX bench at Palenque (Stuart 2005a:73). In the colonial chant, the sacrificial act appears to be the result of the reptile’s involvement in “sealing up” or sickening the patient (Table 6).

Furthermore, it is evident that this healing performance is recapitulating the myth of the crocodilian earth through the healer’s first-person announcements near the chant’s conclusion (Table 7). In actual performance, the mythical sacrifice of the reptilian earth likely corresponded with the actual sacrifice of some kind of reptile during the cure, just as chickens are sacrificed in contemporary k’ex rites in Yucatan (Love 2012). In the myth, the goddess of painting, writing, and decorated cloth is not only present at the sacrifice of the reptilian earth. She also paints the reptile in preparation for sacrifice in this version of the myth.

**Discussion**

In this paper, I have argued that the Maya goddess whom colonial Spanish sources callIx Chebel Yax also appears in colonial Maya language sources, if under different names. However, the identification of this goddess in the indigenous sources gives rise to several questions that are beyond the scope of this paper. Gender roles, statuses, and ideologies were not static over the
course of Precolumbian Maya civilization (Joyce 2000; Ardren 2002). Although evidently present in Yucatan during the Late Postclassic period just prior to contact, just how ancient was this goddess? Is some form of this goddess present in much earlier sources, though not yet recovered or recognized by scholars? Or is the goddess an innovation that only emerged as a significant figure in Maya religion very late in the Postclassic? If the latter, did the emergence of a female patron deity of the scribal arts and textiles correspond with other innovations in elite craft production or social structure? As Inomata (2001) has demonstrated for the Southern Lowlands, scribal activities and textile production occurred alongside one another in different rooms of the same Late Classic elite residence at the site of Aguateca. Closs’s (1992) argument that a Classic painted text refers to a female scribe remains controversial in the absence of additional textual sources. Yet writing appeared alongside textile activities in Classic times, as several inscribed bone needles like those used in textile production are known (Houston and Stuart 2001). Although Precolumbian goddesses are regularly depicted in the Postclassic codices as engaged in textile production (Vail and Stone 2002), unambiguous evidence of women’s involvement in painting and writing has been elusive thus far. In this paper, I hope to have established that the Maya goddess of painting, writing, and decorated textiles is present in the indigenous language sources. Having done so, I hope this provides a datum for future research on the relationships between religion, gender, and artistic production in Precolumbian and contact-period Maya civilization.

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References

Acuña, René, ed. 1993 Bocabulario de Maya Than: Codex Vindobonensis N.S. 3833. Facsímil y transcripción crítica anotada. Universidad Nacional Autónoma de México, Mexico.

Ardren, Traci, ed. 2002 Ancient Maya Women. Altamira Press, Walnut Creek.

Ardren, Traci, and David R. Hixon 2006 The Unusual Sculptures of Telantunich, Yucatán: Phalli and the Concept of Masculinity among the Ancient Maya. Cambridge Archaeological Journal 16(1):7-25.


Arzápalo Marín, Ramón 1987 El Ritual de los Bacabs. Edición facsimilar con transcripción rítmica, traducción, notas, índice, glosario y cómputos estadísticos. Universidad Nacional Autónoma de México, Mexico.
Balam Pereira, Gilberto
2011 *Herbolarios mayas*. Maldonado Editores del Mayab, Merida.

Beck, Daniel D.

Bolles, David
2010 Combined Mayan-Spanish and Spanish Mayan Vocabularies. Unpublished manuscript available online: www.famsi.org/research/bolles/.

Boot, Erik
1997 *Classic Maya Vessel Classification: Rare Vessel Type Collocations Containing the Noun Cheb “Quill.”* *Estudios de Historia Social y Económica de America* 15:59-76.

Bricker, Victoria R., and Oalanke O. Orie

Bricker, Victoria R., Eleuterio Po’ot Yah, and Ofelia Dzul de Po’ot
1998 *A Dictionary of the Maya Language As Spoken in Hocabá, Yucatán*. University of Utah Press, Salt Lake City.

Bricker, Victoria R., and Helga-Maria Miram, trans.
2002 *An Encounter of Two Worlds: The Book of Chilam Balam of Kaua*. Middle American Research Institute, Publication 68. Tulane University, New Orleans.

Ciudad Real, Antonio de (attributed)

Chuchiak IV, John F.


Closs, Michael P.

Coe, Michael D.


Cogolludo, Diego López de

de la Garza, Mercedes, ed.

Hanks, William F.

Helmke, Christophe, and Jesper Nielsen

Hofling, Charles Andrew

Houston, Stephen, and David Stuart

Houston, Stephen, John Baines, and Jerrold Cooper

Inomata, Takshe

Joyce, Rosemary A.

Knowlton, Timothy


Knowlton, Timothy, and Gabrielle Vail
2010 *Hybrid Cosmologies in Mesoamerica: A Reevaluation of the Yax Cheel Cab, a Maya World Tree*. *Ethnohistory* 57(4):709-739.

Kunow, Marianna Appel
The Maya Goddess of Painting, Writing, and Decorated Textiles

Landa, Diego de

Las Casas, Bartolomé de

Love, Bruce

Magaloni Kerpel, Diana

Milbrath, Susan, and Carlos Peraza Lope

Miram, Helga-Maria, and Wolfgang Miram

Redfield, Robert, and Alfonso Villa Rojas

Reyes-Valerio, Constantino

Roys, Ralph L.
1931 The Ethno-Botany of the Maya. Publication 2. Middle American Research Institute, Tulane University, New Orleans.

Salvador Flores, José, and Jesús Kantún Balam

Stuart, David
2005a The Inscriptions from Temple XIX at Palenque. The Pre-Columbian Art Research Institute, San Francisco.
2005b Glyphs on Pots: Decoding Classic Maya Ceramics. In Sourcebook for the 29th Maya Meetings at Texas. University of Texas, Austin.

Taube, Karl A.

Vail, Gabrielle

Vail, Gabrielle, and Christine Hernández

Vail, Gabrielle, and Andrea Stone

Velásquez García, Erik

Weisbach, Carina, Holm Tiessen, and Juan J. Jimenez-Osornio
The Further Adventures of Merle (continued)

MERLE GREENE ROBERTSON

After the Sarcophagus rubbings were finished, I proceeded to do rubbings of every other limestone carving at Palenque—all of the Tablets in the Temple of the Cross, the Temple of the Sun, and the Foliated Cross (Figure 1), as well as carvings in the North Group, everything in the Palace, and the Olvidado. Once when I was doing the rubbing of the Tablet of the Foliated Cross, a Mexican professor came along explaining all about this wonderful “Aztec” tablet. I couldn’t believe it.

A couple of years later I started photographing every instance of art at Palenque. This is when Linda Schele came to help me, as did Gillett Griffin from Princeton, Alfonso, John Bowles, a student of mine from Stevenson, and Bob. Scaffolding had to be built for just about everything so I could get a view “straight-on.” Chencho was in charge of this, always fastening the boards together with strong vines, but never nails. When a friend of mine from Seattle, who was a contractor, came to visit, he was telling Chencho just how the scaffolding should be built. Chencho listened. Said nothing. The next day, my friend had left, and Chencho went right on building in his own successful way.

Figure 1. The Tablet of the Foliated Cross.
El Chichonal

The eruption of the volcano El Chichonal and its devastating affects on Palenque is something I will never forget. I kept a diary of the happenings that spells it out exactly what happened day by day, so I will quote this diary in part:

This is Sunday, April fourth, 1982, Palm Sunday. I am writing this by candle light at 3:30 in the afternoon, and it is pitch black, like midnight outside. A volcanic eruption from El Chichonal, 25 km southeast of Pichucalco, erupted Sunday, one week ago. The first I knew was when I got up at 6:00 AM and it was dark as midnight, and Moises Morales was at the front door with a handful of gray powder-like substance. He said, “What do you think this is?” Looked like talcum powder. Well, it was ash off a pickup truck in front of my house, that had gotten out of Pichucalco by leaving at 1:30 AM, when fire was spouting out and the mountain was erupting. There were eighteen people in the truck which was covered with deep ash, and the people looked like they had been shaken up in a flour sack. I fixed four batches of coffee for them and went to town and purchased all the buns I could find. We could not find out anything about what was happening, as all radio contact was cut off.

On Wednesday, (March 31) Alfonso decided to go to Villahermosa to get new tires for my car. What I think he really wanted to do was find out what was going on about the volcano. Just this side of Villahermosa there was a three-car collision, a Renault, a Volkswagen bug, and another car. Alfonso saw this happening directly in front of him, so he slowed down and pulled off the highway. While he was sitting there in my Safari, watching the collision happening ahead, a big bus came from the rear, tried to avoid the three-car pile-up, and smashed full force into Alfonso in my Safari, throwing it twenty feet into the air and smashing it down on the other three cars. Now there were five vehicles involved. Alfonso was knocked out and had a four-inch-deep gash in his head at the base of his skull, bruised ribs, and a huge hematoma on his thigh, but he got out of the car, and in shock, took the car papers, the tool kit, and of all things, an old tire that was in the back seat. He started down the highway, not knowing what he was doing, bleeding all over. A truck came along, and the driver made Alfonso get in, so he could take him to the hospital. He got his head stitched but found out he also had a concussion and was told to stay in bed.

The police took my car, but would not release it to the insurance company. Alfonso’s friends bribed the police, who had already taken the 4000 pesos I had given to him for new tires, not to put him in jail. He was charged with criminal negligence, first for being in an accident (which he had nothing to do with, as he had pulled off the road), and second for abandoning the car, and third, for not having the car papers in the car. He finally came back to Palenque on a bus as the volcano had started in again and he didn’t want to be in Villahermosa alone.

April 5. This is the worst day of all, outside of yesterday. It was a heavy snowstorm of white ash all day and night. You couldn’t put your head out the door. All the windows in the house that have breaks in them, like those that push in and out, let ash come in by the buckets full, piling up on cupboards, tables and all over the floor. It is hard to get the doors open, because by the time you shovel the ash out the door, ten minutes later it is all back in. You can’t believe it, the amount of ash that is falling here, and falling so fast. An additional six inches fell during the night, and there is now four feet in the street. My banana trees are now all down. You don’t hear a single bird chirping, nor a dog barking. I don’t know if my cat Ce’le will survive this, but I keep my puppy locked in Xibalba, under the library, where he can’t get out.

Cattlemen are worried as their cattle are dying off, and this is a cattle country. Palenque has been declared a “Disaster Area,” and no trucks can come in to bring food, that by now has about run out here. I guess those of us at Na Chan-Bahlum are lucky as we do have some food in cans, but we are about out of water. I have piled all kinds of things on one side of my bed, so I can sleep, or try to in 85° heat, on the other half. In the middle of the night, I get up, out of the heat and go to the library to work where it is not so hot. My solution to keeping ash out of the library is to have a wet towel in front of the door. I quickly change into clean pants and shirt, and quickly go into the library. On leaving I get out of the clean clothes, open the door and don the old clothes filled with ash. This ash is like scouring powder. It has taken the cuffs off all of my pants, and the soles of my two pairs of ked's.

Easter Sunday – A year ago today there were 6,000 visitors at the ruins, and on Good Friday 5,000. Today there were none, except three locals who wanted to see what El Chichonal did to the site. Actually the ruins were incredibly beautiful – like on the moon – everything white. . . . There is no one in Palenque who had a car and could get out and go to Cancun except Moises, Chencho, Delerie, Charlotte, the microbiologist, and I. Even the mayor. Everyone wanted me to go with them, but I could not do that. All of my negatives, drawings, and material I was working on for Princeton University Press for my books on “The Sculpture of Palenque” – my life work – was here. I had to stay. I had no choice. I stayed.

It took weeks to clean up the ash at Palenque. No
rain and no water. The city water pipes were all clogged with ash and broke open causing more trouble. We couldn’t wash our hands, our clothes, dishes—anything. What little water we had at the house was in two gallon jugs, but that wouldn’t go far with so many people living at my house. We used it only for our coffee and to drink. Before the volcano, the group of restorers from Mexico city had started to clean the grit from the figures on the eastern side of the Eastern Court. They had to leave when the volcano erupted. Finally, after six weeks, it rained. Water mixes with ash acted like scouring powder on the sloping figures in the Eastern Court (Figure 2). Where they had once been red, after the scouring, they were now just a row of unpainted figures.

Figure 2. The sloping figures on the eastern side of the Eastern Court covered in ash.