In this report, we provide a preliminary list of graphemes used in the Maya script, revising the codes and drawings found in previous editions of the *New Catalog of Maya Hieroglyphs* (Macri and Looper 2003; Macri and Vail 2009). The grapheme drawings appear with their corresponding codes as used in the Maya Hieroglyphic Database (MHD) online (see mayadatabase.org). As in previous publications, codical grapheme drawings are by Martha J. Macri, while all other drawings are by Matthew Looper. Appended is a list of grapheme codes with the sign numbers used by J. Eric S. Thompson in his *Catalog of Maya Hieroglyphs* (Thompson 1962).

Some grapheme codes presented here differ from those for the same signs that appeared in previous editions of the *New Catalog*, even though overall, the three-letter code system devised for the *New Catalog* remains in place. More details concerning these reclassifications will be found in the revised edition of the *New Catalog*, in preparation. Some sign designations were changed based on new
research, while others had to be reassigned because of limitations of space within the classification system.

As in previous editions of the New Catalog, the fundamental grapheme codes consist of three characters (letters+numbers), which encode unique graphic-functional units in the script. For example, XQ1 designates the cruciform "k'an sign." In the Catalog component of the MHD online, the field that can be queried using these three-letter codes is *catcode*. However, because many signs are polyvalent—that is, they may be used to express more than one meaning or function—we have added a fourth letter to many of the codes. In the case of XQ1, for example, this grapheme is often used to indicate the word *k'an*, meaning "yellow" or "ripe," but it is also sometimes used to indicate the word *k'a*hn, meaning "flat (stone)" or "stairway." Thus, in the MHD, a modified grapheme code XQ1a is used for the first logographic function, while XQ1b is used for the second. The fourth letter is usually arbitrary (e.g. a, b, c, etc), with the exception of the letter 's', which indicates a syllabic function. For example, AA1s is the code for the familiar fish or fish-fin grapheme when it is used as syllabic /ka/, while AA1a is used for the logographic function CHAY/KAY 'fish'. The final 's' is not added to all syllabic graphemes, but only designates a syllabic function for polyvalent signs. These modified codes are employed in the Catalog online in the field *catecodem*, and in the Texts database in two fields: *blcodes* and *graphcode*. Plain three-digit codes can also be queried in these fields as well as the Catalog field: *catcode*.

This system groups graphemes based roughly on visual appearance or form. The first digit indicates the main category, while the second gives a subcategory. The third digit of the code is usually arbitrary. For more details, see previous editions of the New Catalog:

A Animals (fauna except birds and humans)

subcategories: A (fish, amphibian), B (supernatural/skeletal snake), C (snake), D (serpent/reptile pattern), K (turtle), L (lizard), M (monkey), P (dog, rodent), R (rabbit), S (elongated snout), T (jaguar), V (deer), W (bat), X (unidentified)

B Birds

subcategories: M (miscellaneous), P (parrot), T (owl), V (vulture), X (unidentified)

H Body parts (body parts, except heads and hands)

subcategories: B (bound hair), E (eye), H (bone), J (jaw), L (leg, foot), M (male genitals), T (torso)

M Hands (human or monkey hands)

subcategories: A (open), B (both), R (right), Z (left)

P Human faces (faces that have human characteristics)

subcategories: A (aged), C (mixed), D ('percentage' motif), E (decoration of eye), G (droplets), H
(hidden eye), J (Ajaw-type), L ('IL' motif), M (object in mouth), N (darkening), T (headdress), X (facing right, upward, or front), Y ('xib'-type)

S  Supernatural faces, skulls (faces with enlarged eyes and other exaggerated or mixed human and animal characteristics)

subcategories: B (bird), C (skull), D (skull, compound), E (skull with elaborated eye), G (God C-related), J (jawless skull), M (skull with mirror/'shiny' marking), N (human nose), R (Chahk-related), S (non-human nose), T (jaguar)

X  Square symmetrical signs

subcategories: D (design or pattern), E (Imix-type), F (floral, rosette), G (droplets), H (horizontal division), N ('black'-related), Q (quadripartite), S (spiral or curved), V (vertical division)

Y  Square asymmetrical signs

subcategories: G (droplets), M (mirror/'shiny'), S (spiral or curved)

Z  Signs with irregular shapes

subcategories: A ('Ajaw-face'-related), B (bundle), C ('kawak'), D (design or pattern), E ('elbow' shape), F (foliation), G (droplets), H (horizontal division), K ('k'in'-related), L (Kaban-related), M (mirror/'shiny' marking), P (contrastive pair), Q (quadripartite), R (rolled/curl ed), S (spiral, twisted), T (gourd), U (U-shaped, crescent), V (vase, urn), W (plate), X (compound), Y (notched), Z (cartouche, multiple notches)

0  (followed by two numbers): Bar/dot numerals [000 = 'eroded']

1  Elongated, single element

subcategories: B (bundle), C ('kawak'), G (droplets), M (mirror/'shiny'), S (S-shape, curved), X (miscellaneous)

2  Elongated, two elements

subcategories: 2 (2 identical components), G (droplets), M (mixed), S (S-shape, curved)

3  Elongated, three or more elements

subcategories: 2 (2 identical components), 3 (3 identical components), M (mixed)
References

Macri, Martha J., and Matthew G. Looper

Macri, Martha J., and Gabrielle Vail

Thompson, J. Eric S.

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ISSN 1097-3737
Animals
Animals
Birds
Body parts
Body parts
Hands
Human faces
Human faces

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PT4  PT5  PT6  PT7  PT8  PT9  PTA  PX1

PX1  PX2  PX3  PX3  PX4  PX4  PX4  PX4

PX4  PX5  PX6  PX7  PX8  PX9  PXA  PXA

PXA  PXA  PXC  PXB  PXB  PXC  PXC

PXC  PXD  PXE  PY1  PY1  PY2  PY2

PY3  PY3  PY3  PY3  PY3  PY4  PY4  PY4

PY5  PY5  PY5  PY6  PY6  PY7  PY8a/s  PY8a/s

PY9a  PY9a  PY9a  PY9b  PY9c  PY9c  PY9s  PYA
Human faces

PYB  PYC  PYD  PYD
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Supernatural faces, skulls
Supernatural faces, skulls
Supernatural faces, skulls
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