



FIG. 1—MAP OF THE MAYA AREA

Showing archaeological sites with hieroglyphic texts, and main linguistic divisions as they probably were in the sixteenth century. Some minor sites in Yucatan and Campeche omitted to avoid crowded lettering. The broken line marks the approximate area of lowland Maya speech. Note how all sites with hieroglyphic inscriptions are within that area.

FIG. 2—GLYPH FORMATIONS

(see p. iv for list of abbreviations)

INFIXES, PREFIXES AND POSTFIXES:

1. Imix glyph. P.N. L 2, C1.
2. Imix with Ahau as infix. P.N. Thr 1, B1.
3. Ch'en with prefix above. Pal. Cross, U14.
4. Ch'en with prefix to left. Yax. L. 30, F2.
5. Ch'en with infix replacing prefix. Tik. T 4, L 2, H3.
6. Uo with prefix to left. Tila C, A6.
7. Uo with prefix above. Hatz. Ceel Alt 1, B1.
8. Posterior date indicator with "forward" prefix to left. Chinik. Thr 1, E1.
9. Posterior date indicator with "forward" prefix above. P.N. 3, C2a.
10. Posterior date indicator with "forward" element as infix. Cop. Q, B6.
11. Posterior date indicator with postfix pointing to left and prefix to left. Seib. HS, I2.
12. Posterior date indicator with postfix pointing to right and prefix above. Quir. F, B11a.
13. Katun with postfix below. Yax. L 25, L1.
14. Katun with postfix to right. Yax. L 30, G4.
15. One tun with *te* to left; circle above. Yax. 11, M3.
16. Fourth of Zec with *te* to left; circle above. Cop. HS, Date 23.
17. First of Mol with *te* to left; circle below. Cop. J, G1 47.
18. Eighth of Cumku with *te* above; circle to left. Cop. C, B3a.
19. Third of Pop with *te* above; circle to left. Inverted. Pal. Olvidado.
20. Third of Zotz' with *te* above; circle to right. Inverted. Cop. 7, B7a.
21. Second (of Pop) with *te* attached to head for two. Yula 1, B1.
22. Two tuns with *te* above. Cop. T 11, E door, S jamb, C2.
23. Six (uinals) with *te* below numerical head. Xcal. IS, A6-B6.
24. Inverted Ahau above earth, when used as kin. Single. Quir. C, I1.
25. Inverted Ahau as postfix below. Double. Cop. J (N), A7b.
26. Inverted Ahau as postfix to right. Single. Cop. J (S), D2.
27. Inverted Ahau above earth when used as kin. Double. P.N. 8, B24.
28. Inverted Ahau on side as prefix. Cop. 9, B6.
29. Comb as postfix to crosshatched glyph. Pal. House C, cornice.
30. Crosshatched glyph becomes prefix, head variant of comb serving as main glyph. Pal. Inscr. (M), F8.
31. Head variant of crosshatched glyph. Pal. Inscr. (W), N2.
32. Sunrise glyph. Tik. T 4, L 3, C4.
33. "Forward to sunrise" combination. P.N. Thr 1, J'1.

OVERLAPPING AND FUSING OF GLYPHS:

34. Tun overlapping uinal. Quir. E (W), B11.
35. Glyph G9. P.N. 6, A8.
36. Glyph F. Pal. 1, A6b.
37. Glyphs G9 and F fused. Cop. T 11, N door, W panel.
38. Introductory glyph to 819-day cycle with lunar element as postfix. Yax. L 30, E3.
39. Introductory glyph to 819-day cycle with lunar element as infix. Quir. K, A7b.
40. Kayab with two postfixes below. Quir. A, B9.
41. Kayab with one postfix to side. Pal. Fol. Cross, O5.
42. Kayab with two postfixes fused. Nar. HS, V1b.
43. Anterior date indicator with two postfixes below. Quir. K, B6a.
44. Anterior date indicator with one postfix to left; other below. Cop. U, J1.
45. Anterior date indicator with fused postfixes. Cop. A, B2b.

SUPPRESSION OF ELEMENTS:

46. Katun glyph with one comb suppressed. Quir. E (W), B13b.
47. Two-legged sky glyph with both prefixes above. Quir. E (W), A8b.
48. Two-legged sky glyph with one prefix to left; one above. Quir. C (W), D13.
49. Two-legged sky glyph with one "leg" suppressed. Quir. D (E), D22a.
50. Glyph B standard form. Quir. E (E), C8.
51. Glyph B with oval element as infix of animal. P.N. 1, C1.
52. Glyph B with head of God C replacing animal head and oval element suppressed. Cop. 19, B10.
53. Glyph B with top arm of sky sign suppressed. Quir. P, B4.
54. Glyph B with lower arm of sky sign suppressed. Cop. J, 11b.
55. Glyph B with geometric variant in place of head form. Pal. Fol. Cross, B11.
56. Glyph B with muluc "count" symbol replacing bracket prefix. Head and oval elements suppressed. Pal. Cross, B12.
57. Normal form of sky sign. Cop. U, C2.

TRANSFER OF AFFIXES:

58. Action glyph of hand type and maize glyph. Dresden 13b.
59. Same with affix of maize glyph transferred to first glyph and prefix of latter replaced by *u* postfix with second glyph. Dresden 14b.
60. Hand action glyph and God B. Dresden 31c.
61. Same pair with postfix become a prefix and change in second postfix. Dresden 31c.

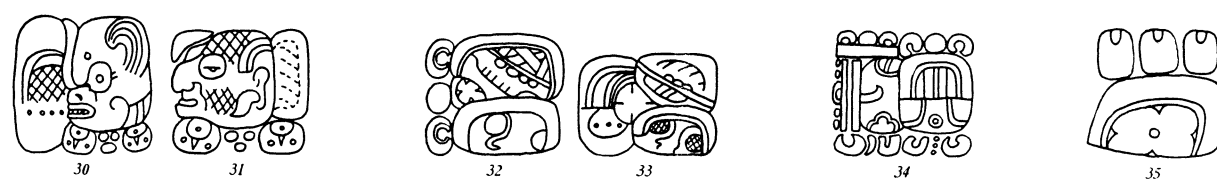
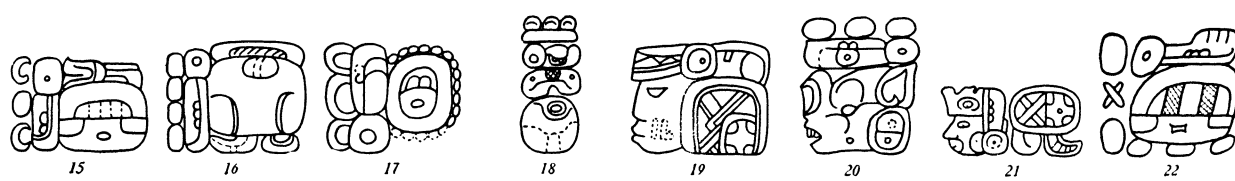
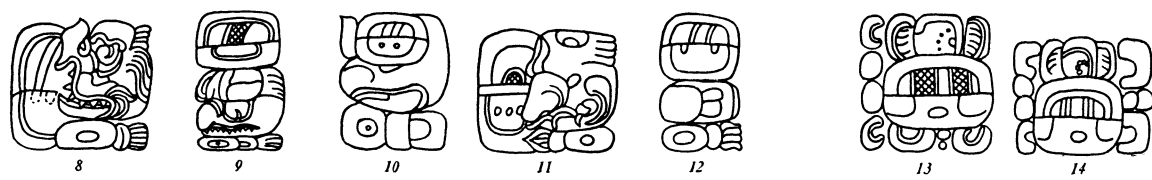
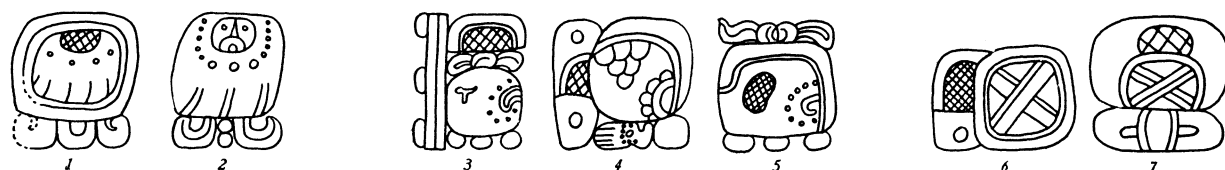


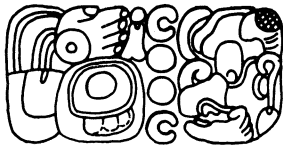
FIG. 3—CLAUSES

1. Six tuns as distance number with both regular and distance number postfix. Pal. Sun, P1.
2. Prefatory glyph. "Forward to completion of 2 baktuns." Pal. Fol. Cross, C7-D7.
3. Clause of three glyphs. Nar. 29, H13-H14.
4. Clause of three glyphs. Nar. 29, I17-I18.
5. Clause of five glyphs. Nar. 24, A5-A9.
6. Clause of eight glyphs. Nar. 24, E5-D9.
7. Clause of five glyphs. Nar. 24, E16-E18.
8. Clause of four glyphs with intervening glyphs. Nar. 24, C7, C9-C10.
9. Clause of six glyphs with intervening glyphs. Nar. 29, F8-F9, G10-G11.
10. Clause of seven glyphs. Pal. Inscr. (M), I4-I7.
11. Clause of six glyphs. Pal. Inscr. (M), L9-M2.
12. Clause of six glyphs. Pal. Inscr. (M), K3-L5.
13. Clause of two glyphs. Quir. F, A9.
14. Clause of three glyphs. Pal. Inscr. (E), S6-S7.
15. Clause of four glyphs. Note expansion of material of first two glyph blocks of adjacent clause to four glyph blocks. Chichen 4, H1-G3.





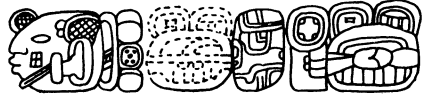
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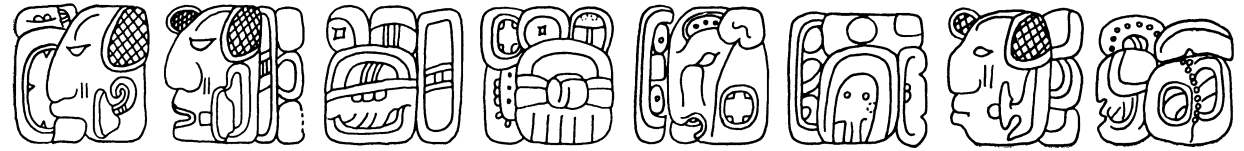
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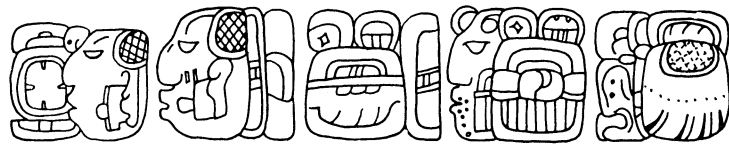
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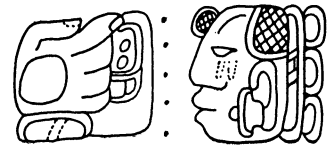
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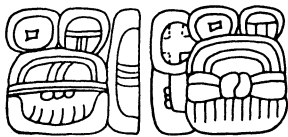
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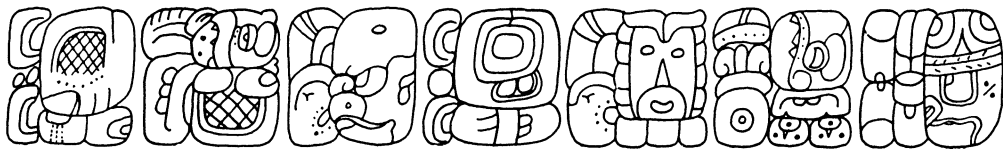
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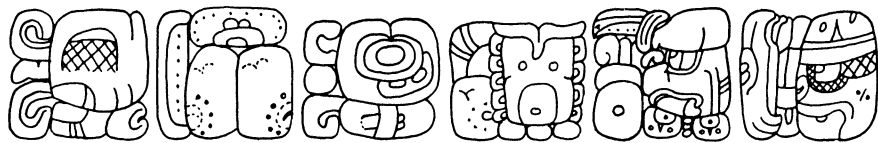
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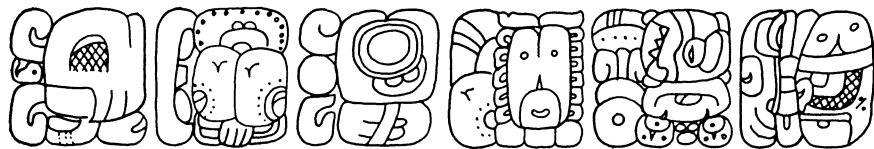
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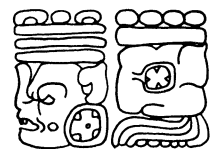
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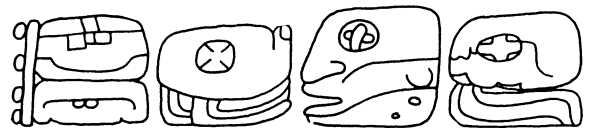
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FIG. 4—CLAUSES AND VARIABLE AFFIXES

“COUNT OF THE HAAB” CLAUSES:

1. East. Cop. Q, D<sub>3</sub>–C<sub>4</sub>.
2. North? Cop. 6, C<sub>5</sub>.
3. West. Nar. 24, E<sub>9</sub>–D<sub>10</sub>.
4. South. Quir. J, C<sub>9</sub>–D<sub>9</sub>.

AFFIXES DENOTING “EXPIRATION”:

5. Distance number introductory glyph with flattened fish-head prefix; death eyes and hair postfix. Cop. A, B<sub>11a</sub>.
6. Head form of distance number introductory glyph with death eyes and hair as prefix and postfix. Cop. T 11, E door, N panel, A<sub>1</sub>.
7. Distance number introductory glyph with skull as prefix; hair and eyes as postfix. Cop. N, B<sub>9</sub>.
8. God C in sky elbow with skull as prefix. Pal. Cross, W panel of entrance.
9. Glyph B of lunar series with death eyes and hair as prefix; with oval as postfix. Quir. I, A<sub>6a</sub>.
10. Head of death god with death or night eye before forehead. Cop. I, C<sub>1</sub>.

SUFFIXES WITH PERIOD GLYPHS:

11. Normal form of symbolic variant of tun. Pal. Cross, B<sub>5</sub>.
12. Tun and katun, former with distance number postfix. Quir. C, C<sub>11</sub>.
13. “Expiration 5 tuns” with anniversary form of postfix. Yax. L 2, D<sub>1</sub>.
14. “First katun” with anniversary form of postfix. P.N. L 3, G<sub>1</sub>.
15. “Completion of count of 15 katuns” without postfix. Cop. 4, B<sub>7</sub>.

MOON AS SYMBOL FOR TWENTY IN DISTANCE NUMBERS:

16. With coefficient of 11: 31 days. Balak. 5, D<sub>10</sub>.
17. With coefficient completion sign: 20 days. Pal. Cross, B<sub>13</sub>.
18. With coefficient of 3: 23 days. P.N. L 3, Z<sub>1</sub>.

WEST:

19. Dresden 45c.

“TU” PREFIX:

20. Usual winged cauac as haab. Quir. E, C<sub>11b</sub>.
21. “Tu haab” anniversary glyph. Cop. 8, E<sub>1</sub>.
22. “In 5 tu haab in katun 1 Ahau.” Yula 1, B<sub>2</sub>–A<sub>4</sub>.
23. “On the twelfth of Cumku.” Chichen 27, B<sub>1</sub>.

SNAKE OR EEL AFFIX AS ANTERIOR DATE INDICATOR:

24. Pal. Inscr. (W), E<sub>8</sub>.
25. Pal. Inscr. (E), M<sub>7</sub>.
26. Xcal. North Building.

HEAD FORMS OF TUN SIGNS:

27. Personified cauac with “tail.” Quir. F, C<sub>11</sub>.
28. Moan-bird variant. Pal. Inscr. (E), R<sub>3</sub>.

VULTURE HEAD REPLACING “TI” ELEMENT IN ANTERIOR DATE INDICATORS:

29. *Xoc* main element becomes prefix; “*ti*” postfix becomes main element as head of vulture with “*ti*” element above beak. Quir. J, E<sub>3</sub>.
30. Vulture head with “*ti*” element apparently as main element. Cop. HS, fragment (Gordon, pl. 13, row D).

KIN GLYPH AS INDICATOR OF DAY SIGNS:

31. 9 Lamat, kin. Chichen 2, A<sub>1</sub>–B<sub>1</sub>.
32. 8 Manik, kin, tu. Chichen 4, A<sub>1</sub>–B<sub>1</sub>.
33. 7 Muluc, kin. Xcal. IS, A<sub>8</sub>–B<sub>8</sub>.
34. 2 Chuen, end kin. Kabah jamb, A<sub>1</sub>–B<sub>1</sub>.

PHRASES:

35. “9 Etz’nab, kin, tu buluc Yax ichil 13 haab, ichil 1 Ahau.” Chichen 5, A<sub>1</sub>–A<sub>4</sub>.
36. “6 Ahau 13 Muan, completion of count of 14 katuns, the count of the tun.” Tik. 16, A<sub>1</sub>–A<sub>5</sub>.
37. “Completion of the haab. 1 Ahau 8 Kayab, the seating of the haab. The tenth katun, half a period completed, a tun.” Pal. Inscr. (E), R<sub>12</sub>–T<sub>3</sub>.

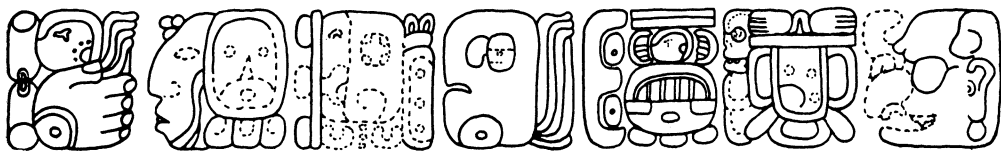
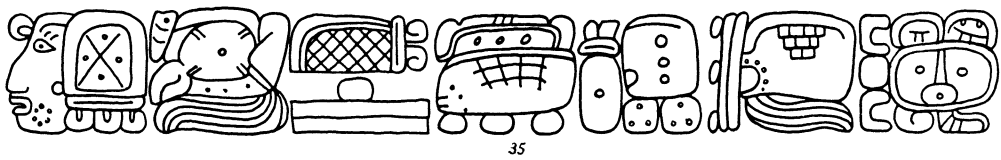
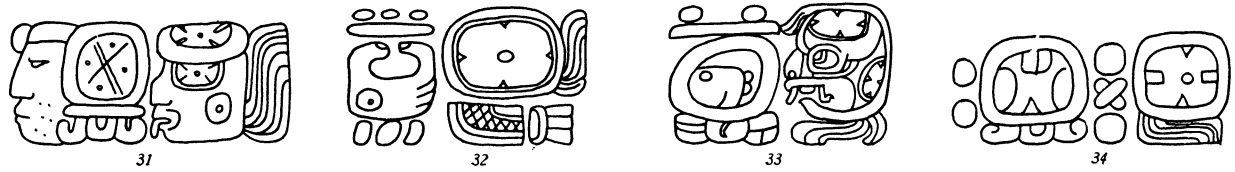
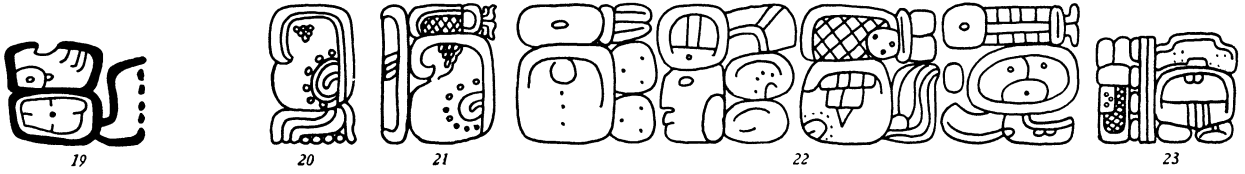
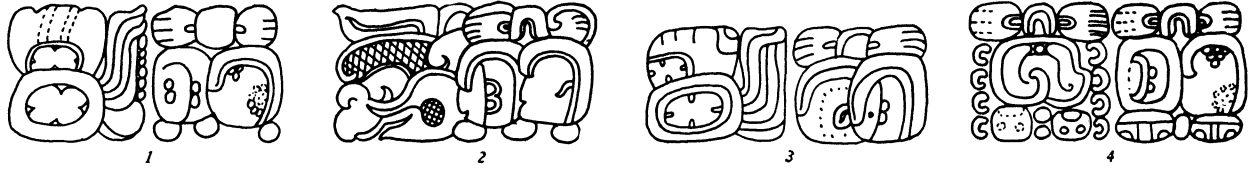


Fig. 5—INTERCHANGEABILITY OF ELEMENTS OF THE COUNT GROUP OF AFFIXES

NATURALISTIC REPRESENTATIONS OF FISH:

1. Pottery. Chajcar, Alta Verapaz.
2. Ball court. Chichen.
3. Pottery. Chajcar, Alta Verapaz.
4. Cop. N.

FLANKING ELEMENTS OF IS INTRODUCTORY GLYPH:

5. Realistic fish. Cop. C.
6. Head of fish. Cop. P.
7. Head of fish. Cop. 16.
8. Conventionalized design. Cop. E.
9. Conventionalized fish head. Cop. 2.
10. *U* bracket with additions. Cop. P.
11. Conventionalized design. Cop. 7.
12. Comb with additions. Cop. A.
13. Katun with *u* brackets. Jade. Tzibanche.

PREFIXES WITH DOUBLE IMIX GLYPH:

14. Comb. Quir. A, D11.
15. Dots. Yax. L 56, L2b.
16. Fish. Yax. L 2, Q1.

PREFIXES WITH DISTANCE NUMBER INTRODUCTORY GLYPH:

17. *U* bracket. Quir. D, A21b.
18. Dots. Cop. I', Fib.
19. Head of fish. Cop. 4, A5b.
20. Head of fish. Cop. 5, B1a.
21. Death eyes and hair. Nar. 35, E7.
22. Death's head. Cop. N, B9.

PREFIXES WITH CABAN (NON-DAY SIGN) GLYPH:

23. *U* bracket. Quir. E, B15b.
24. Flattened fish head. Quir. E, D11.
25. Water. Cop. I, C4b.
26. Skull or fish. P.N. Thr. A'4-B'4.
27. Death eyes. Nar. 35, D5.

PREFIXES WITH GLYPH B, LUNAR SERIES:

28. *U* bracket. P.N. L 3, E1.
29. Dots. Pal. 1, A8.
30. Flattened fish-head. Pal. Fol. Cross, B11.
31. Fish head. Cop. 6, A6, l.h.
32. Water. Pal. Cross, B12.
33. Death eyes and hair. Quir. I, A6a.

PREFIXES WITH GOD C IN CELESTIAL ELBOW:

34. Flattened fish head. Nar. HS, Inscr. 12.
35. Water postfix. Cop. I, A9a.
36. Skull. Pal. Cross, W jamb.
37. Skull and eyes. Yax. L 56, G2b.
38. Dots. Pal. Cross, C12.
39. Dots. Pal. Inscr. (W), S12a.

PREFIXES WITH HAAB COMPLETED:

40. *U* bracket. Pusil. K, B2.
41. Flattened fish-head. Pal. Inscr. (E), M1.
42. Fish head. Pal. Inscr. (E), L5.
43. Skull. P.N. Alt 2, L1.
44. Death eyes. Cop. 13, B9.
45. Death eyes. Uax. 12, A2.
46. Link. Pal. Inscr. (E), R12.

PREFIXES AND PREFATORY GLYPHS WITH PERIOD GLYPHS:

47. *U* bracket 15 katuns. P.N. Alt 2, H2.
48. Dots 13 katuns. Pal. Fol. Cross, O15.
49. Flattened fish-head 15 katuns. P.N. Thr. M.
50. Hand fish-head 2 katuns. Quir. D, B17a-B17b, u.h.
51. Death eyes 19 katuns. Quir. Str 1, Y'.
52. Death eyes 13 tuns. Cop. U, A2.

SUNDRY GLYPHS:

53. Yax with coefficient of 18, formed of bar and three dots and head for 10. Tik. 6, A10.
54. Haunch of venison on dish. Dresden 35a.
55. Offering of fish. Dresden 31b.
56. Iguana. Madrid 3b.
57. So-called Mars beast. Dresden 45b.
58. Kan, "ripe maize," in dish. Dresden 25b.
59. Iguana tamales or iguana and maize. Dresden 30b.
60. Turkey tamales or turkey and maize. Dresden 34a.
61. Germination. Seeds sprouting from earth symbol. Madrid 28b.
62. Shield as probable symbol for war. Madrid 16b.
63. Shield with "stone" as prefix. Dresden 60a.

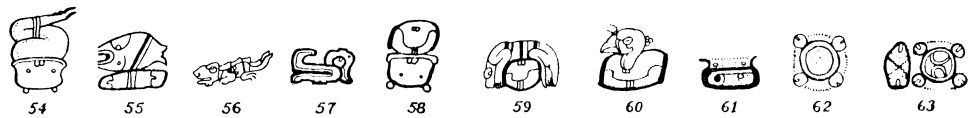
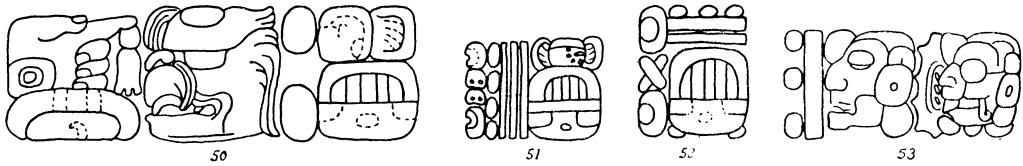
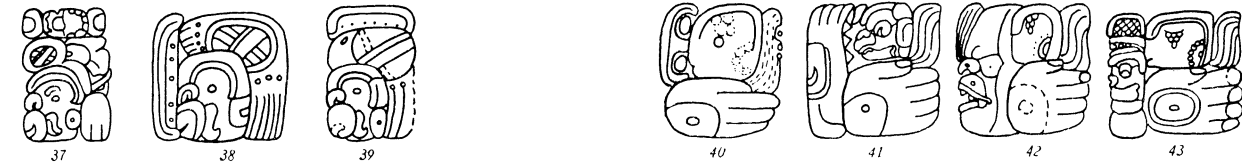
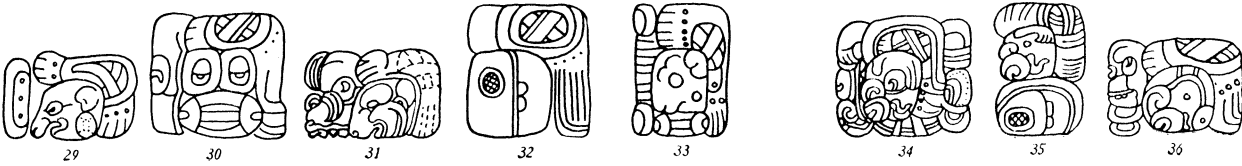
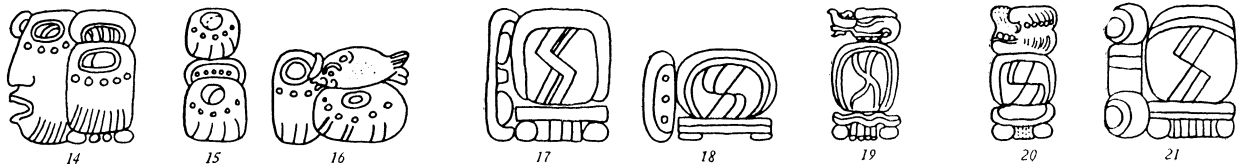
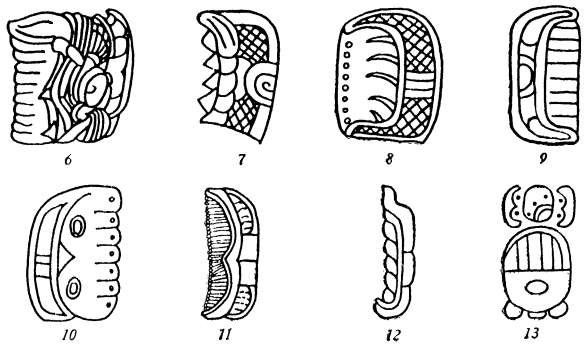
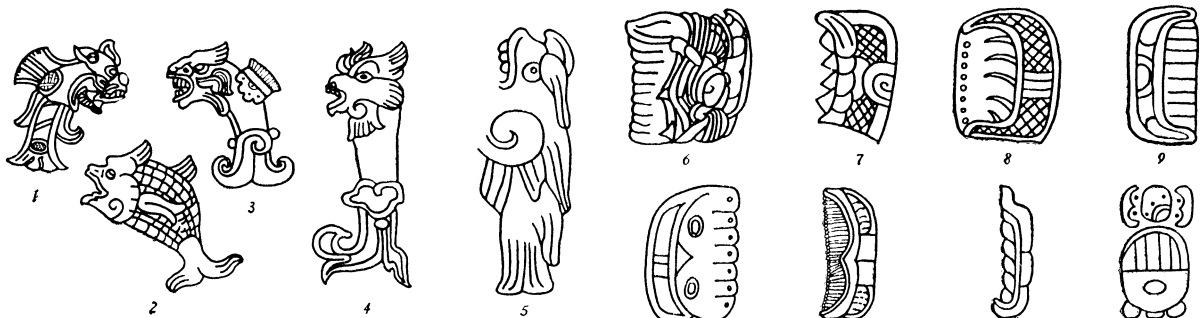


FIG. 6—DAY SIGNS: IMIX TO KAN

IMIX:

1. Uax. fresco, Gl 41.
2. Uax. fresco, Gl 61.
3. P.N. L 2, C1.
4. Pal. Cross, U5.
5. Yax. L 41, A1.
6. Yax. L 25, O1.
7. P.N. 1, G8.
8. P.N. 3, E2.
9. Nar. 32, Y1.
10. Yula 2, A1.
11. Chichen 27, Bl 18.
12. Chama Vase.
13. Ratinlixal Vase.
14. Perez 21.
15. Dresden 35b.
16. Madrid 14b.
17. Landa.

IK:

18. Uax. fresco, Gl 42.
19. Uax. fresco, Gl 62.
20. Nar. HS, V1a.
21. Pal. Cross, E9.
22. Pal. Inscr., Pier C.
23. P.N. 8, C19.
24. Tik. T 4, L 3, B3.
25. Pal. 96 Gl., F2.
26. Quir. G, K'1.
27. Cop. U, L5.
28. Ratinlixal Vase.
29. Perez 21, column 5.
30. Dresden 15b.
31. Dresden 2b.
32. Madrid 99b.
33. Madrid 13b.
34. Landa.

AKBAL:

35. Uax. fresco, Gl 43.
36. Uax. fresco, Gl 63.
37. Pal. Sun, E1.
38. Pal. Sun, P6.
39. Pal. Cross, G1.
40. Tik. T 4, L 3, D4.
41. Tik. T 4, L 3, E2.
42. Morales 2, C9.
43. Polol 4, B5.
44. Ratinlixal Vase.
45. Chichen 20.
46. Perez 20.
47. Dresden 5c.
48. Dresden 22b.
49. Madrid 63c.
50. Landa.

KAN:

51. Uax. fresco, Gl 64.
52. Uax. fresco, Gl 44.
53. Nar. 25, D9.
54. Chinik. Thr, N1.
55. Pal. Cross, R17.
56. Pal. Cross, U10.
57. Pal. death's head.
58. P.N. Thr 1, H'2.
59. Cop. Q, E6.
60. Quir. Alt O, J'4b.
61. Chichen 23, Bl 16.
62. Chichen 34.
63. Chama Vase.
64. Perez 21, column 5.
65. Dresden 6b.
66. Madrid 83b.
67. Madrid 47c.
68. Landa.

Imix



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2



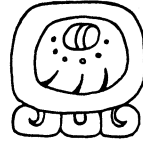
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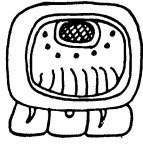
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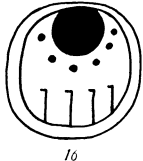
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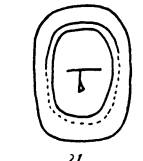
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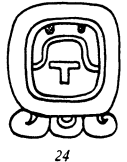
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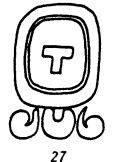
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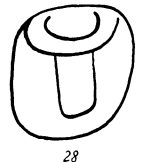
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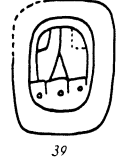
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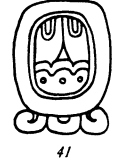
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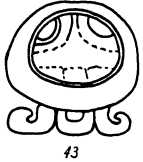
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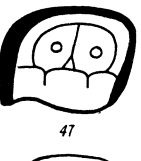
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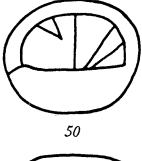
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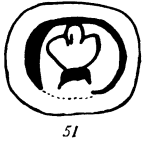


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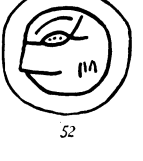


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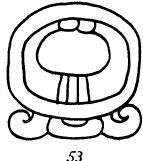
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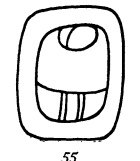
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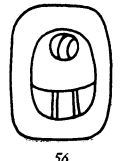
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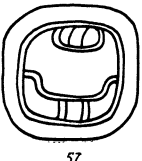
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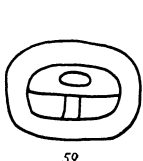
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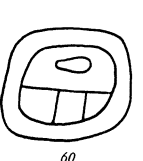
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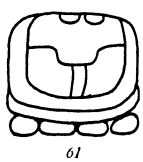
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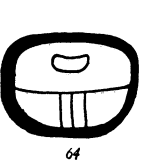
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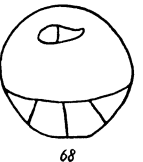
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FIG. 7—DAY SIGNS: CHICCHAN TO LAMAT

CHICCHAN:

1. Uax. fresco, Gl 25.
2. Uax. fresco, Gl 65.
3. Pal. Cross, T14.
4. Cop. H, L, u.h.
5. Nar. 22, E15.
6. P.N. 9, C8.
7. Yax. L 27, A1.
8. Cop. HS, Date 26.
9. Cop. T 11.
10. Chama Vase.
11. Perez 21, column 7.
12. Dresden 43c.
13. Dresden 9c.
14. Dresden 61c.
15. Madrid 45a.
16. Madrid 16b.
17. Landa.

CIMI:

18. Uax. fresco, Gl 26.
19. Uax. fresco, Gl 66.
20. Yax. L 35, C4.
21. Yax. L 10, A1.
22. Yax. 18, A2.
23. Pal. tablet in Madrid.
24. Tik. Alt 5.
25. Quir. J, H2.
26. Cop. pectoral on statue.
27. Cop. HS.
28. Quir. E, A12b.
29. Perez 21, column 5.
30. Dresden 12a.
31. Dresden 10b.
32. Madrid 47b.
33. Madrid 85c.
34. Landa.

MANIK:

35. Uax. fresco, Gl 27.
36. Uax. fresco, Gl 67.
37. Tik. 10, A2.
38. Pal. House C. substructure.
39. Ton. 7, Side A.
40. Pal. 96 Gl, Hr.
41. Pal. 96 Gl, H7.
42. P.N. Thr 1, O1.
43. P.N. 12, A20.
44. Chichen 14, A1.
45. Chichen 12, A1.
46. Chama Vase.
47. Perez 21, column 7.
48. Dresden 4c.
49. Madrid 89c.
50. Landa.

LAMAT:

51. Uax. fresco, Gl 28.
52. Uax. fresco, Gl 68.
53. Pusil. D, E9.
54. P.N. L 4, O1.
55. Cop. I, C7.
56. Pal. Inscr. (W), E6.
57. Cop. J, Gl 27.
58. Nar. 24, A1.
59. Cop. HS, Date 24.
60. Cop. HS, Date 3.
61. Pal. 96 Gl., D4.
62. Chichen 4, A1.
63. Chama Vase.
64. Perez 21, column 5.
65. Dresden 47a.
66. Dresden 47a.
67. Dresden 17c.
68. Landa.



Chicchan



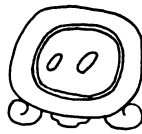
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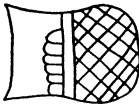
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Manik



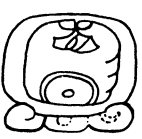
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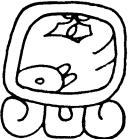
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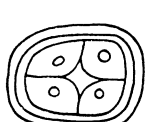
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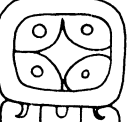
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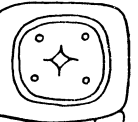
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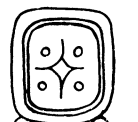
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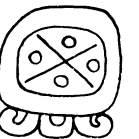
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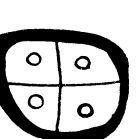
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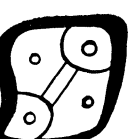
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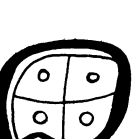
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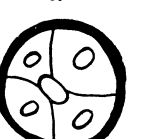
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FIG. 8—DAY SIGNS: MULUC TO EB

MULUC:

1. Uax. fresco, Gl 29.
2. Uax. fresco, Gl 49.
3. Uax. fresco, Gl 69.
4. Tik. Alt 5, Gl 1.
5. Tik. Alt 5, Gl 27.
6. Xcal. IS, A8.
7. El Cayo L 1, K14.
8. Cop. HS, Step L, A.
9. Yax. L 21, C5.
10. Ton. 20.
11. Chichen 1, C2.
12. Perez 21, column 7.
13. Dresden 58b.
14. Madrid 15b.
15. Madrid 15b.
16. Landa.

OC:

17. Uax. fresco, Gl 10.
18. Uax. fresco, Gl 30.
19. Uax. fresco, Gl 50.
20. Pal. Sun, L1.
21. Pal. Fol. Cross, N5.
22. Pal. Fol. Cross, E1.
23. Pal. Olvidado.
24. Cop. HS, Step P, M.
25. Cop. HS, Step Q, M.
26. Yax. L 29, A4.
27. Quir. K, B6.
28. Perez 17.
29. Dresden 47a.
30. Dresden 45a.
31. Dresden 22a.
32. Madrid 64a.
33. Madrid 45a.
34. Landa.

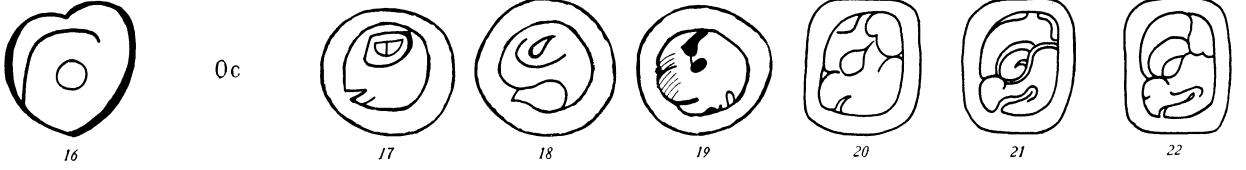
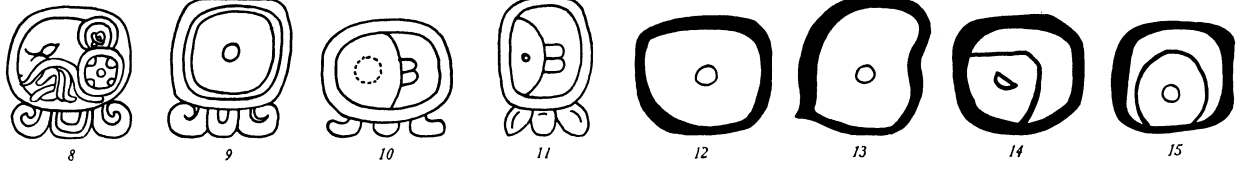
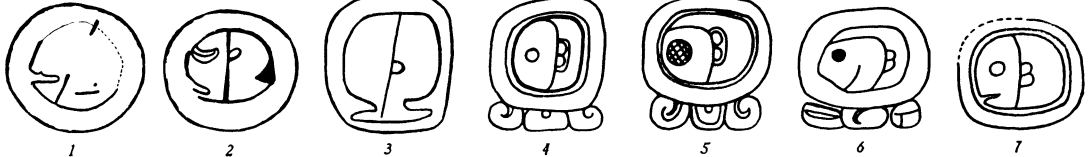
CHUEN:

35. Uax. fresco, Gl 11.
36. Uax. fresco, Gl 51.
37. Uax. fresco, Gl 71.
38. Pal. HS, C4b.
39. P.N. shell, E2.
40. Cop. altar of 1.
41. Cop. F', B1b.
42. Pal. 96 Gl., B6.
43. Ixlu 2, A1.
44. Kabah jamb, Gl 1.
45. Perez 21, column 7.
46. Dresden 2a.
47. Dresden 55a.
48. Dresden 6c.
49. Madrid 15b.
50. Landa.

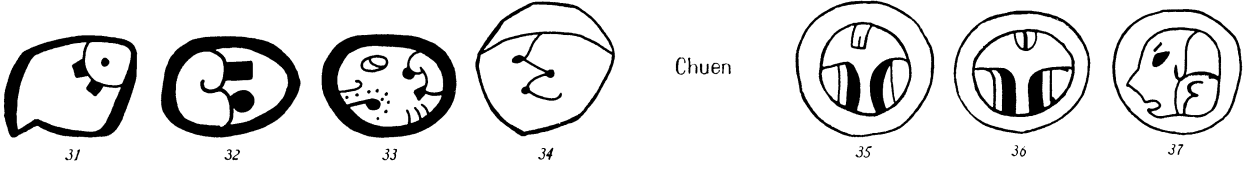
EB:

51. Uax. fresco, Gl 12.
52. Uax. fresco, Gl 52.
53. Leiden Plaque, A7.
54. P.N. L 12, B4.
55. Pal. Palace, balustrade.
56. Pal. Tablet 2.
57. Yax. L 24, X1.
58. Yax. L 26, F'1.
59. Tik. T 4, L 2, B3.
60. Nar. 10, A1.
61. Quir. C, E1.
62. Cop. U, O3.
63. Nar. 32, A'3.
64. Uxmal capstone.
65. Dresden 12a.
66. Madrid 39b.
67. Madrid 13b.
68. Landa.

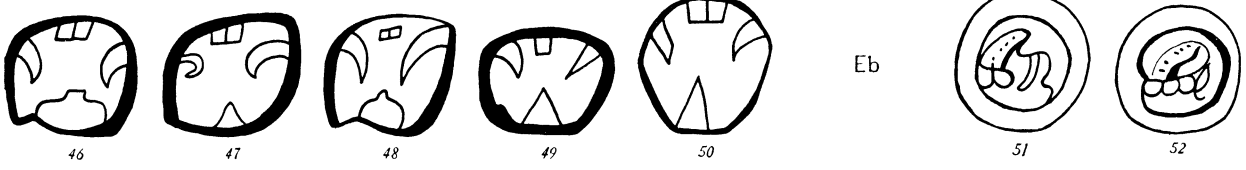
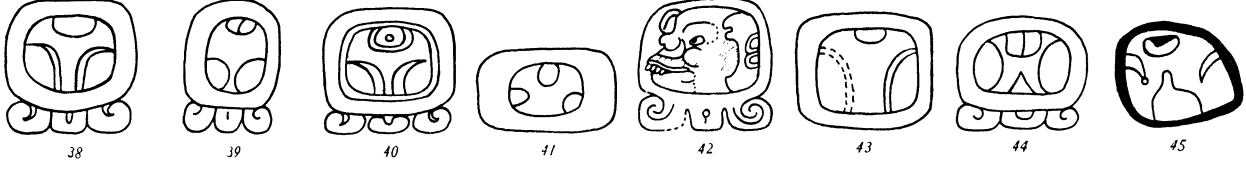
Muluc



Oc



Chuen



Eb

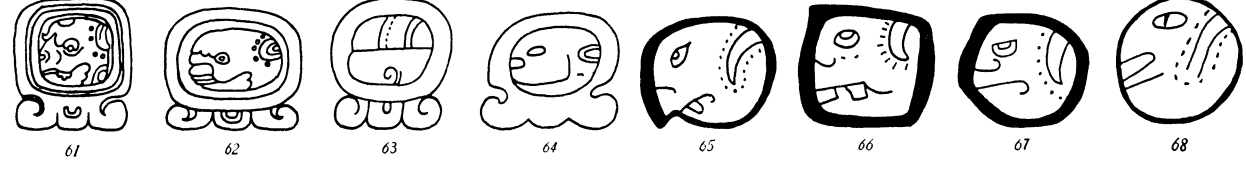
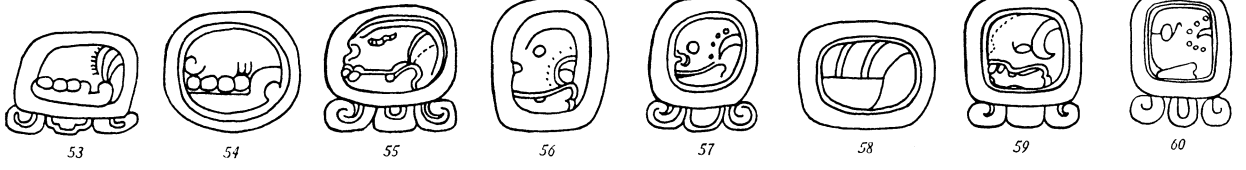


FIG. 9—DAY SIGNS: BEN TO CIB

BEN:

1. Uax. fresco, Gl 53.
2. Uax. fresco, Gl 33.
3. Pal. House A, A1.
4. Tik. T 4, L 2, B7.
5. P.N. L 9, P2a.
6. P.N. Alt 2, E1.
7. Yax. L 53, A1.
8. Yax. L 30, A2.
9. P.N. L 3, A13.
10. Cop. Q, C1.
11. Nar. 35, D8.
12. Chichen 10.
13. Chama II Vase.
14. Perez 19, Gl 6.
15. Dresden 4a.
16. Madrid 24d.
17. Landa.

IX:

18. Uax. fresco, Gl 14.
19. Uax. fresco, Gl 34.
20. Yax. L 10, E5b.
21. Chinkul. ball court.
22. Yax. 20, E1b.
23. Nar. 22, F17.
24. Yax. L 43, D2.
25. Xcal. column.
26. Yax. L 59, J.
27. Yax. L 27, E2a.
28. Chama II Vase.
29. Perez 17, bottom.
30. Dresden 4b.
31. Dresden 44b.
32. Madrid 45c.
33. Madrid 81a.
34. Landa.

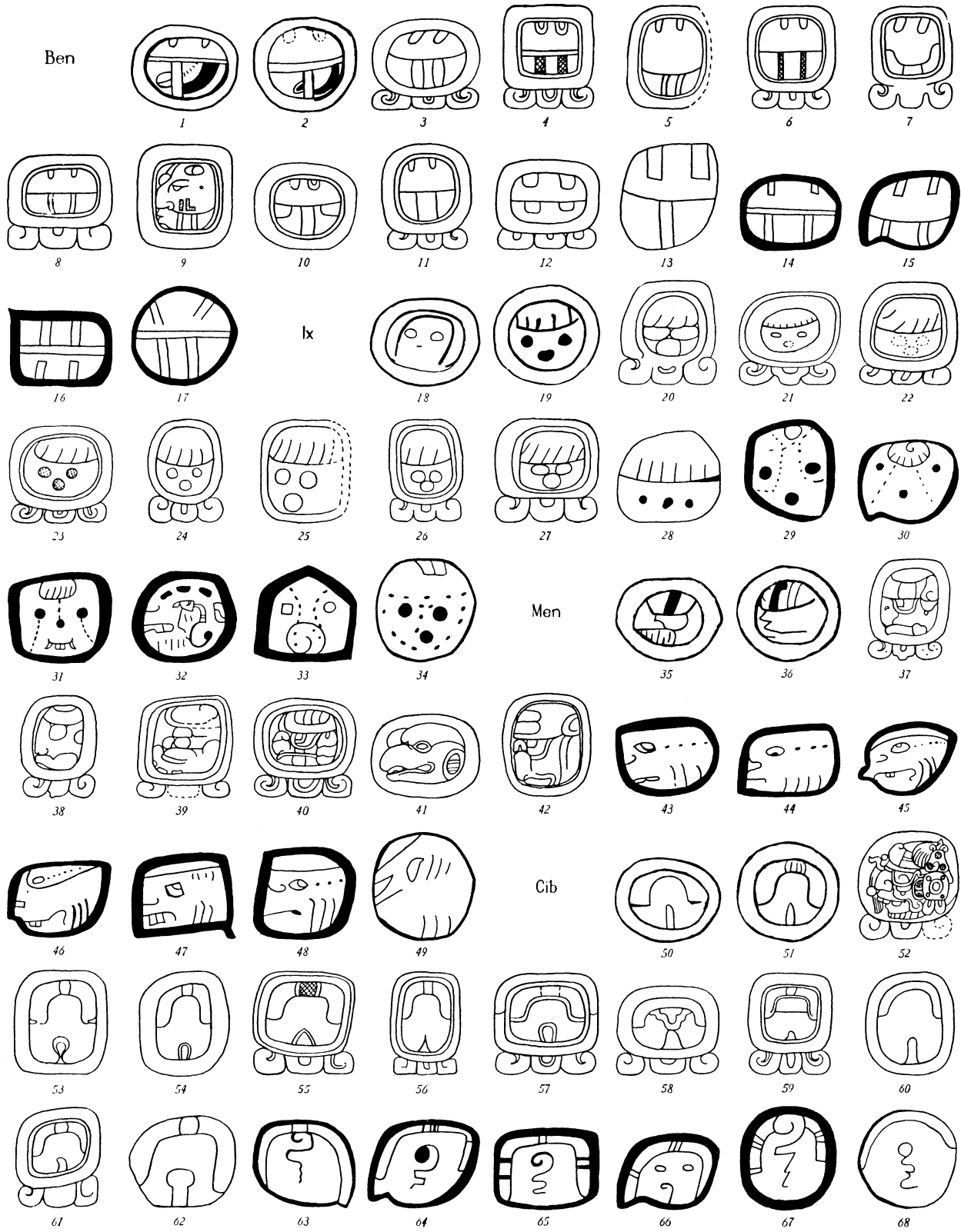
MEN:

35. Uax. fresco, Gl 55.
36. Uax. fresco, Gl 35.
37. Tik. 17, A4.
38. Stone of Chiapa, C4.
39. Nar. 29, G18.
40. Nar. 23, F17.
41. Cop. N, pedestal, A1.
42. P.N. L 3, K2.
43. Perez 21, column 7.
44. Dresden 57b.
45. Dresden 30b.
46. Dresden 36c.
47. Madrid 89a.
48. Madrid 14b.
49. Landa.

CIB:

50. Uax. fresco, Gl 16.
51. Uax. fresco, Gl 56.
52. Yax. L 48, C5.
53. Pal. Fol. Cross, L1.
54. Pal. Fol. Cross, N16.
55. P.N. 3, A4.
56. P.N. 3, C2b.
57. Tik. T 4, L 2, L8.
58. Cop. T 11, H7.
59. Cop. T 11, E door, N panel, A2b.
60. P.N. L 3, H4.
61. Poco Uinik 3, C21.
62. Chama II Vase.
63. Perez 23b.
64. Dresden 6b.
65. Dresden 42c.
66. Dresden 54a.
67. Madrid 30a.
68. Landa.

Ben



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FIG. 10—DAY SIGNS: CABAN TO AHAU

CABAN:

1. Uax. fresco, Gl 37.
2. Uax. fresco, Gl 57.
3. Pal. Inscr. (W), K11.
4. Pal. Sun, O7.
5. Scib. HS, J2.
6. Quir. F, A18b.
7. Quir. D, AB13.
8. Cop. R, A1.
9. Cop. T, front.
10. Chama II Vase.
11. Perez 21, column 7.
12. Dresden 15b.
13. Dresden 57a.
14. Madrid 10b.
15. Landa.

ETZ'NAB:

16. Uax. fresco, Gl 18.
17. Uax. fresco, Gl 38.
18. Uax. fresco, Gl 58.
19. Balak. 5, A4.
20. Cop. X, A1.
21. Pal. Inscr. (W), Q11.
22. Pal. Inscr. (W), T5.
23. Pal. Cross, R7.
24. Tik. T 4, L 2, G3.
25. Tik. T 4, L 2, I1.
26. Perez 21, column 5.
27. Dresden 5c.
28. Dresden 22c.
29. Madrid 103b.
30. Landa.

CAUAC:

31. Uax. fresco, Gl 39.
32. Uax. fresco, Gl 59.

33. Yax. L 37, C6a.
34. Pal. Palace, House C, K1.
35. Pal. Fol. Cross, B13.
36. Cop. T 11, N door, W panel.
37. P.N. L 3, F'6.
38. P.N. 12, A16b.
39. Perez 21, column 6.
40. Dresden 10b.
41. Dresden 56a.
42. Madrid 15b.
43. Madrid 10a.
44. Madrid 14b.
45. Landa.

AHAU:

46. Uax. fresco, Gl 20.
47. Uax. fresco, Gl 60.
48. Uax. 20, A1.
49. P.N. L 12, C1.
50. Cop. 16, A3b.
51. Nar. HS, 13.
52. Chinik. Thr 1, A1.
53. Pal. Cross, D3.
54. Tik. T 4, L 3, A1.
55. Cop. M, B2b.
56. Yax. L 31, C4.
57. Cop. T 11, S door, E panel.
58. P.N. Thr 1, K'a.
59. Quir. P, B3, u.h.
60. Quir. Str 1, A'.
61. Scib. 10, A1.
62. Flores 2, A.
63. Tzibanche jade. Gl 1.
64. S. Rita. Gann, pl. 29, no. 2.
65. S. Rita. Gann, pl. 31, no. 3.
66. S. Rita. Gann, pl. 29, no. 8.
67. S. Rita. Gann, pl. 30, no. 8.
68. S. Rita. Gann, pl. 29, no. 4.



FIG. 11—AHAU (CONTINUED) AND SUNDRY GLYPHS

SYMBOLIC FORMS:

1. Chichen 19, B1.
2. Chichen 20, G1 12.
3. Chichen 20, G1 19.
4. Chichen 5, A4.
5. Chichen 3, D5.
6. Chichen 14, D.
7. Yula 1, A4.
8. Chichen 27, B1.
9. Perez 5, top center.
10. Dresden 24.
11. Dresden 24.
12. Dresden 6b.
13. Dresden 47a.
14. Madrid 48b.
15. Landa.
16. Chumayel, p. 72.

PROFILES:

17. Tik. 8, A7.
18. Tik. 7, A8.
19. Cop. 24, B5.
20. Cop. 9, B5.
21. Pal. HS, A4.
22. Pal. Inscr. (E), S8.
23. La Florida 9, A1.
24. Cop. C, A2b.
25. P.N. Alt 2, H1.
26. Quir. J, B11.
27. Cop. Review Stand, Qb.
28. Quir. C, B5.
29. Pal. 96 G1, A1.
30. P.N. L 3, V4.
31. P.N. 15, on pouch.
32. Quir. Str 1, U.

33. Cop. D, A4b.
34. Quir. D, D14.
35. Cop. D', Side D, A.
36. Cop. T 11, lowest step.

"SUBJECT INDICATOR":

37. Lunar postfix. Quir. E, D9.
38. Lunar infix. Quir. D, D17a.
39. Lunar postfix. Cop. M, B4b.
40. U bracket prefix. Quir. C, C7.
41. U bracket prefix. Quir. C, B7.
42. Same glyph? Quir. F, C9a.
43. Parrot head. Cop. N, A16.

"FROG" GLYPH:

44. Pal. HS, A5a.
45. P.N. 1, B3.
46. Pal. Cross, E7.
47. Pal. Fol. Cross, C5.
48. Forward prefix. Pal. Cross, C17.
49. Forward prefix. Pal. Inscr. (W), K9b.
50. Pal. Inscr. (W), K12.

KAN GLYPH:

51. Cop. B, A9.
52. Pal. Inscr. (W), B12.
53. Pal. Inscr. (W), B7.
54. Tik. 5, A12.
55. Chichen 19, front, B2.
56. Chichen 19, under, A4.
57. Chichen 19, front F2b.

VARIOUS:

58. 4 Ahau katun. Ocosingo jade.
59. 8 Ahau with *ak* postfix. Cop. 6, B7a.
60. Double Imix with fish replacing comb. Nebaj vase.



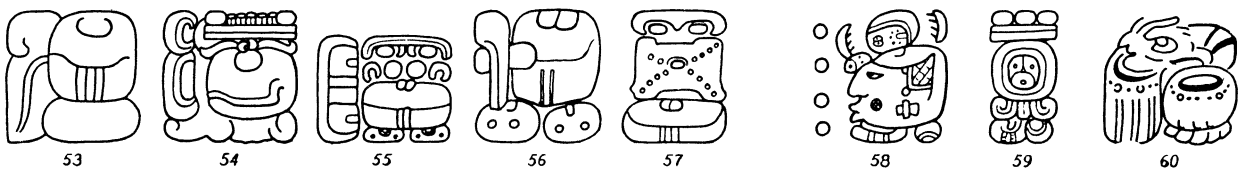
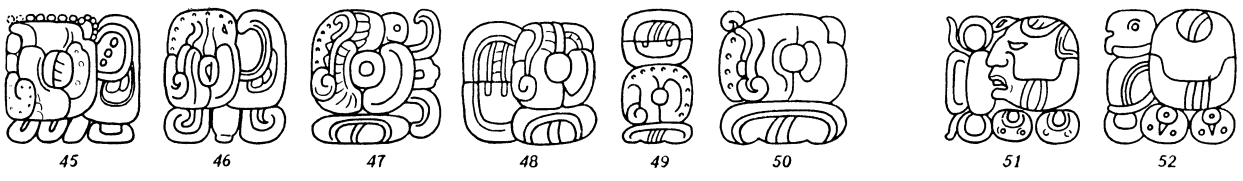
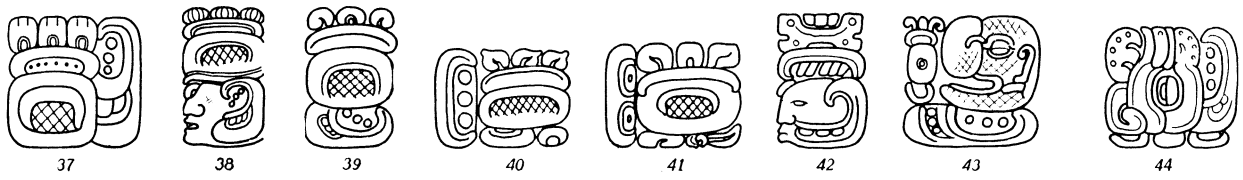
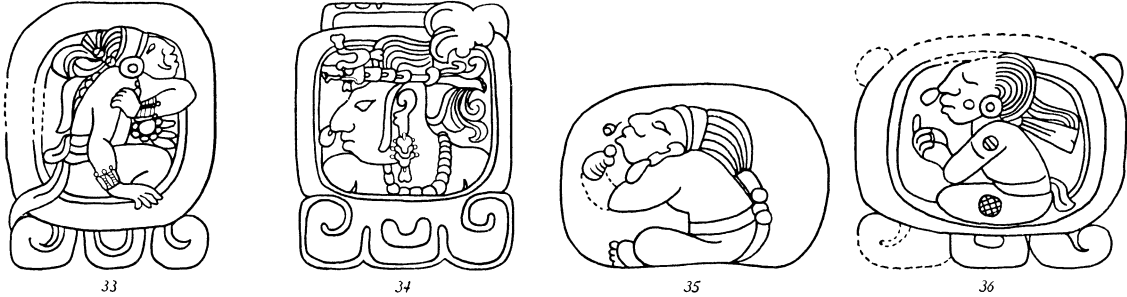
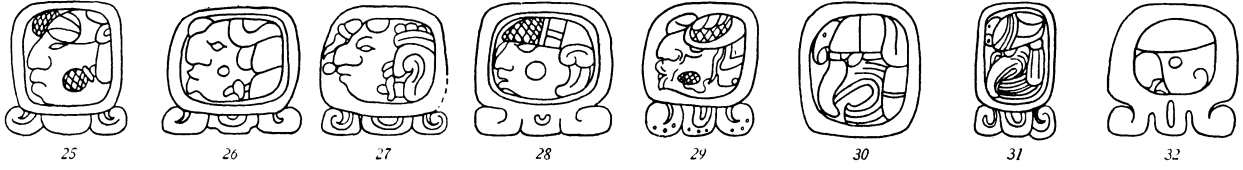
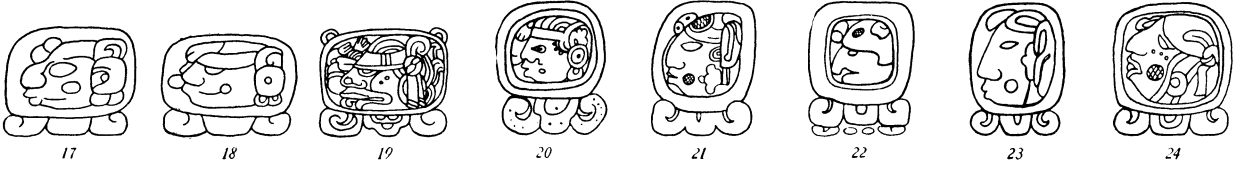
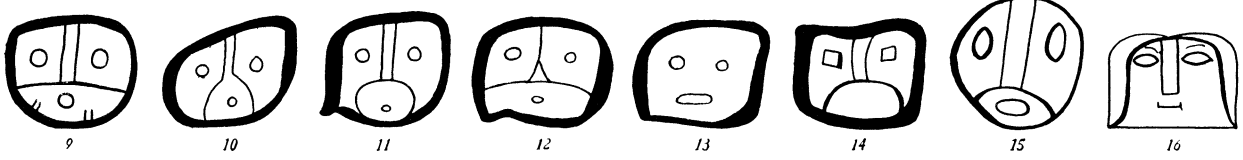
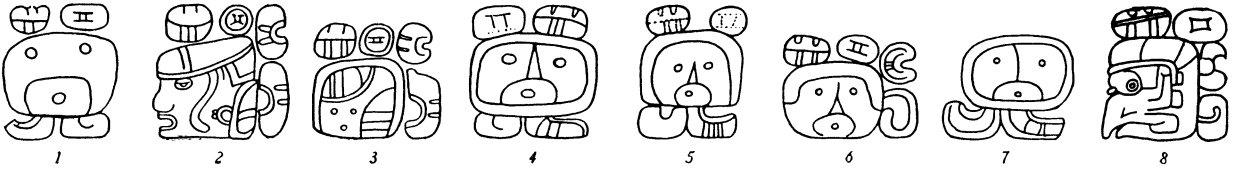
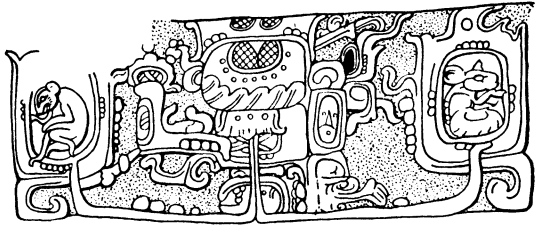
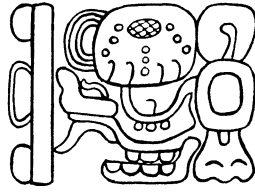


FIG. 12—DERIVATIONS OF DAY SIGNS: IMIX TO AKBAL. AFFIXES

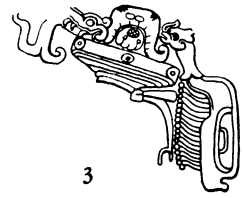
1. Earth crocodile with Imix headdress and naturalistic water lilies. Yax. 7.
2. Earth crocodile with Imix headdress. Cop. T 11.
3. Earth crocodile resting on Imix sign. Headdress on individual on Cop. U.
4. Water lilies emerging from head of earth crocodile. Pal. Palace, House D.
5. Water lily, Pal. Palace, House D.
6. Water lily, Chichen ball court.
7. Water lily on bowl from Calceotok, Yucatan. After Spinden.
8. Fish nibbling at water lily. Ixkun i.
9. Ik sign with plant growing from it held by maize god. Madrid 97d.
10. Ik sign with maize growing from it. Cop. H.
11. Glyph of God B. Dresden 43c.
12. Jaguar with water lily in headdress. Dresden 8a.
13. Jaguar god. Tik. T 4.
14. Jaguar god with water-lily design. Pal. Sun.
15. Jaguar god, P.N. MSS 16.
16. Glyph of Bolon-Yocte. Dresden 60b.
17. Glyph of Bolon-Yocte. Paris 7.
18. Glyph of Bolon-Yocte. Pal. Palace, House C, cornice.
19. 13 *te* tuns. Madrid 66a.
20. 4 uinals with *te* (3) postfix. Madrid 72a.
21. Moon with coefficient of 5, prefix and *te* (1) postfix. 25 days? Dresden 27a.
22. Moon with coefficient of 16 and prefix. 36 days? Dresden 27c.
23. 9 tuns with numerical classifier prefixed. Madrid 66a.
24. 7 tuns with numerical classifier postfixed. Madrid 70b.



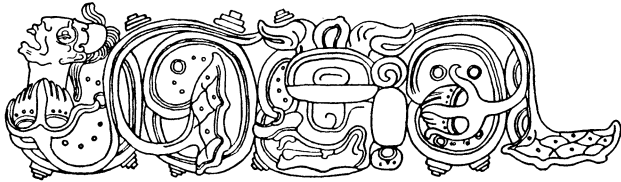
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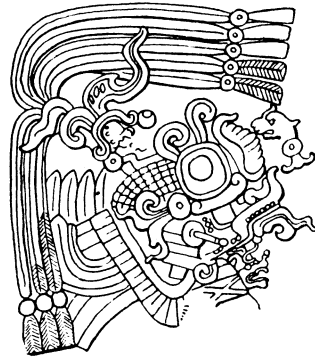
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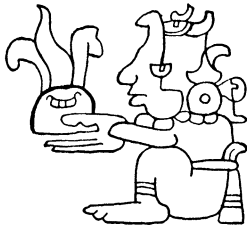
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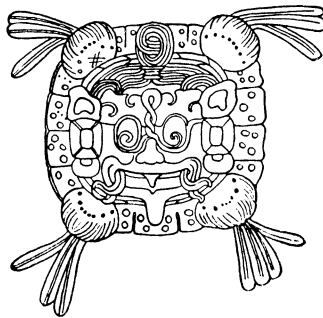
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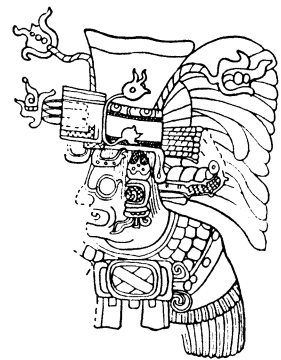
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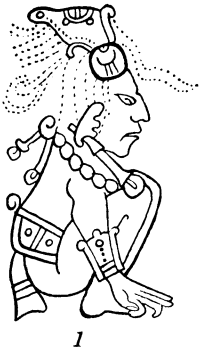
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FIG. 13—DERIVATIONS OF DAY SIGNS: KAN TO MANIK

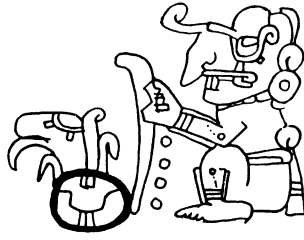
1. Maize god with maize sprouting from Kan sign in headdress. Dresden 9b, left figure.
2. Maize god with maize headdress. Cop. H.
3. Maize growing from Kan sign, and God B sowing seed. Madrid 28b.
4. Glyph of maize god. Quir. P.
5. Glyph for maize offering. Dresden 30b.
6. Glyph for new maize. Dresden 31b.
7. Glyph for red maize. Dresden 41c.
8. Glyph for yellow maize. Dresden 36a.
9. Glyph for white maize. Dresden 66b.
10. Kan-Imix, abundance of maize. Madrid 21b.
11. Death god. Dresden 14a.
12. Chicchan god. Dresden 7b.
13. Glyph of death or *multun tzeq*, "heap of skulls." Dresden 10a.
14. Glyph of death god. Dresden 11a.
15. Serpent with Chicchan markings. Madrid 30a.
16. Glyph of death god. Quir. P.
17. Glyph of Chicchan god. Madrid 104b.
18. Glyph of Chicchan god. Dresden 21c.
19. Death god with leg terminating in flower. Dresden 15a.
20. Black god with deer as headdress and carrying spear. Madrid 51c.
21. Black god with spear, the butt of which is shaped as a hand. Madrid 32a.
22. Black god with axe and torch. Scorpion claws emerge from his waist. Madrid 33b.
23. Black god with head of God M at waist and scorpion tail ending in hand. Madrid 79a.
24. Scorpion with deer held by rope which it grasps in its tail. Madrid 44b.



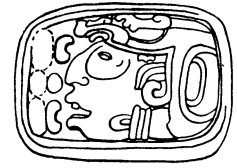
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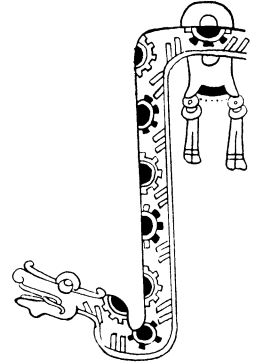


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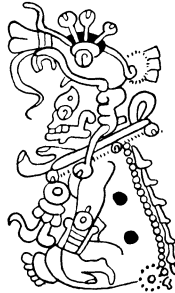
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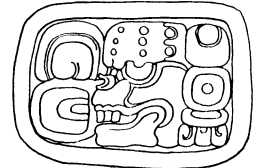
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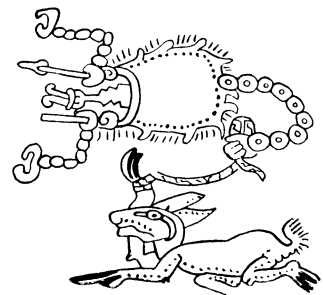
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FIG. 14—DERIVATIONS OF DAY SIGNS: LAMAT TO CABAN

1. Lahun-Chan Venus God. Dresden 47b.
2. Glyph of Lahun-Chan. Dresden 47b.
3. Glyph for water. Paris 16.
4. Glyph of Lahun-Chan. Chichen 34.
5. Picture of water decorated with jade disks. Dresden 36c.
6. Serpent with jade disks on body and head of God B. Dresden 35b.
7. Xolotl, the canine deity, with symbols of death. Greenstone idol in Stuttgart Museum.
8. Dog playing drum. Madrid 37a.
9. Dog with tips of ears missing. Dresden 13c.
10. Glyph for dog. Dresden 13c.
11. So-called glyph of God C, "the black craftsman, the black creator." Dresden 29c.
12. God C. Dresden 5a.
13. God C in celestial band. Madrid 25.
14. Eb glyph set in deluge. Dresden 74.
15. Ear of jaguar used as day Ocelotl and jagged ear of dog as day Itzcuintli. Fejervary-Mayer 39, 15.
- 16a. Glyph of old goddess. "The red weaver, craftswoman." Dresden 69, E3.
- 16b. Glyph of old goddess. "The red goddess." Dresden 39b.
- 16c. Glyph of old goddess. "The red goddess." Dresden 74.
- 16d. Glyph of old goddess. "The weaver, the craftswoman." Madrid 102d.
17. Goddess Ilamatecutli-Ciuacoatl. Bourbon 28.
18. Goddess I. Dresden 18b.
19. Caban (earth) with plant growing from it. Madrid 24a.
20. Caban (earth) with maize god seated on it. Madrid 24d.
21. God B seated on terrestrial monster with Caban signs. Dresden 30a.
22. Glyph for bee. Madrid 105b.
23. Glyph of Goddess I. Dresden 18b.
24. Glyph of Goddess I. Dresden 16c.
25. Part of terrestrial monster with Caban signs. Pal. Sun.



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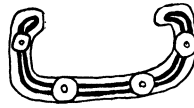
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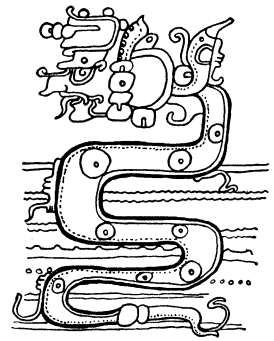
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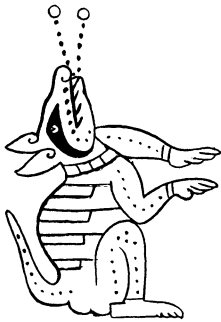
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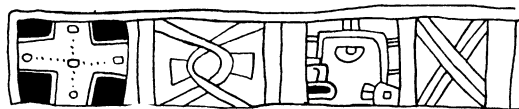
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16 a



16 b



16 c



16 d



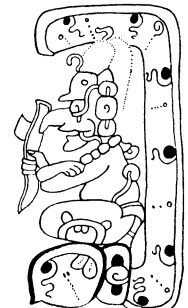
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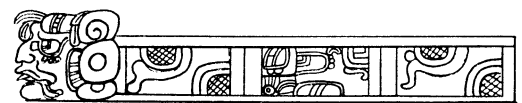
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FIG. 15—DERIVATIONS OF DAY SIGNS: ETZ'NAB TO AHAU

1. God Q. Madrid 27d.
2. God Q. Madrid 86c.
3. God Q at human sacrifice. Madrid 76.
4. God R. Dresden 5b.
5. God R. Madrid 107b.
6. Glyph of God Q. Madrid 38c.
7. Glyph of God Q. Madrid 86b.
8. Head of Xipe. Vatican A 43.
9. Glyph of God R. Dresden 5b.
10. Glyph of God R. Madrid 112c.
11. Face of celestial dragon with cauc symbols. Quir. P. After Maudslay.
12. Celestial dragon with cauc symbols. Cop. Alt. M. After Spinden.
13. Foreleg of celestial dragon. Pal. Cross. After Maudslay.
14. God B seated on conventionalized head of God D. Dresden 41a.
15. Sun god. Dresden 26b.
16. Sun god. Cop. A.

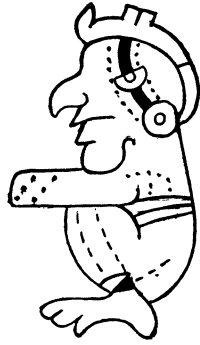




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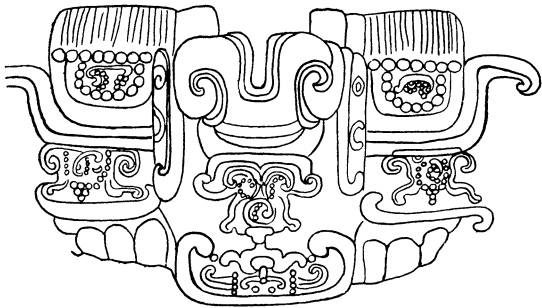
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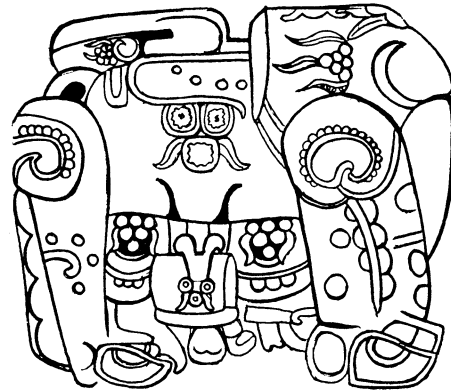
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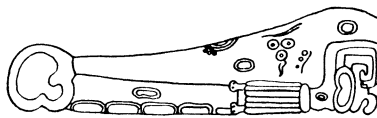
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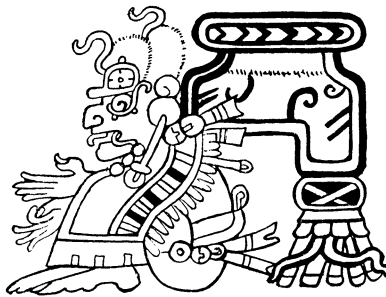
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FIG. 16—MONTH SIGNS: POP TO XUL

POP:

1. P.N. L 12, K1.
2. Pal. House A, pier, D3.
3. Pal. 1, B9.
4. Tik. T 4, L 2, A4.
5. Tik. T 4, L 2, H1.
6. Cop. HS, Q, A.
7. Yula 2, H2.
8. Dresden 70d.
9. Landa.

UO:

10. Pal. House A, B2.
11. Tila C, A6.
12. P.N. 3, C6.
13. Ton. 7, C2.
14. Yax. L 31, I4.
15. Pal. 96 Gl., G2.
16. Nar. 12, B9b.
17. Hatz. Ceel 1, B1.
18. Chichen 16, B1.
19. Dresden 62d.
20. Dresden 49c.
21. Dresden 48c.
22. Landa.

ZIP:

23. Yax. L 10, A2a.
24. Nar. HS, P1b.
25. Pal. Inscr. (W), H11.
26. Yax. L 56, G1.
27. Quir. F, D8.
28. Cop. Review Stand, B1.
29. Cop. T 11, E door, N panel, B3.
30. Tila A, B5.
31. Uax. IS Vase.
32. Dresden 48a.

33. Dresden 62c.
34. Landa.

ZOTZ':

35. Chinkul. ball court.
36. Cop. 6, B6.
37. Pal. Cross, R13.
38. Yax. L 54, B1.
39. Yax. L 3, C1.
40. Quir. J, B15.
41. Nar. 32, Z1.
42. Dresden 47a.
43. Dresden 46b.
44. Landa.

ZEC:

45. Pal. House A, Pier A.
46. Yax. L 41, B1.
47. Yax. 12, D1.
48. Cop. HS (Gordon, pl. 139).
49. Cop. HS, Step Sn.
50. Quir. J, G3.
51. Yax. L 30, G5.
52. Dresden 46c.
53. Landa.

XUL:

54. P.N. 39, B1b.
55. Pal. Madrid Tablet 2, B1.
56. Pal. Sun, F1.
57. Tik. Alt 5, Gl 11.
58. Pal. 96 Gl., C5.
59. Quir. Str 1, B'1.
60. Palmar 14, A2.
61. Dresden 63b.
62. Dresden 49c.
63. Dresden 46d.
64. Landa.

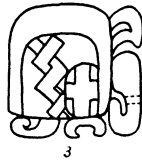
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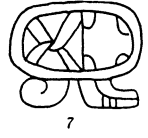
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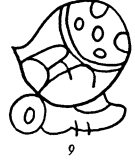
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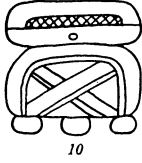


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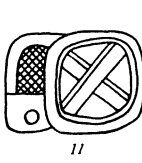


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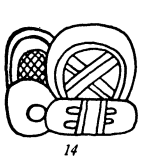
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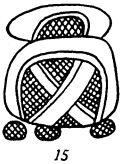
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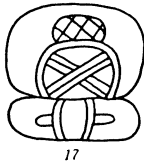
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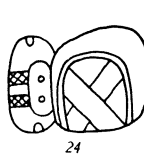


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Zip



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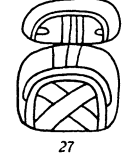
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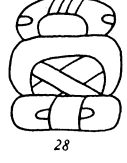
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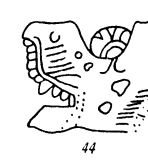
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Xul



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FIG. 17—MONTH SIGNS: YAXKIN TO CEH

YAXKIN:

1. Yax. L 37, S6b.
2. Cop. 10, A9.
3. Pusil. K, D11.
4. Nar. 23, E18.
5. Tik. 5, C4.
6. Cop. HS, Date 26.
7. El Cayo, L 1, F3.
8. Quir. D, A17b.
9. P.N. Thr 1, J'2.
10. Cop. Q, B1.
11. Dresden 60b.
12. Dresden 70b.
13. Landa.

MOL:

14. P.N. 36, C8.
15. Pal. Fol. Cross, M1.
16. Yax. L 14, E1.
17. Tik. T 4, L 2, B1.
18. Cop. T, front.
19. Ton. 20, C4.
20. Quir. Str 1, V.
21. Dresden 47b.
22. Landa.

CH'EN:

23. Pal. Inscr. (W), L11.
24. Pal. HS, C4a, l.h.
25. Yax. L 25, N2.
26. Cop. D, A5.
27. Tik. T 4, L 2, H3.
28. Tik. T 4, L 3, F2.
29. P.N. L 3, E2.
30. Sacchana 2, A5.
31. Chichen 20, G1 29.
32. Dresden 47c.
33. Landa.

YAX:

34. Uax. 26, B6.
35. P.N. L 12, G1.
36. Pal. Inscr. (W), T5b.
37. La Florida 9, C4.
38. P.N. Alt 2, G2.
39. Yax. L 27, B1.
40. Yax. L 30, G1.
41. Quir. F, A17b.
42. Comitán 1, B2.
43. Chichen 5, B2.
44. Chichen 23, Bl 18.
45. Dresden 46d.
46. Dresden 48a.
47. Landa.

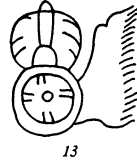
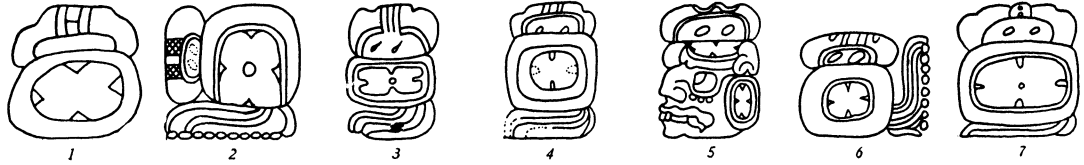
ZAC:

48. Nar. 22, F15.
49. Calak. 89, B6b.
50. Cop. 4, A6b.
51. Cop. altar from river, D1.
52. P.N. 12, B16.
53. Chichen 1, A6.
54. Dresden 46a.
55. Landa.

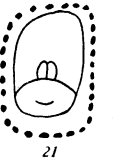
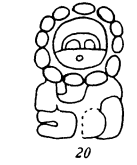
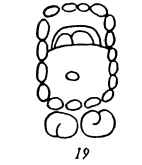
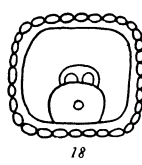
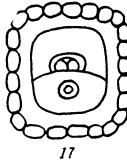
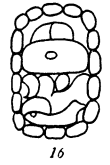
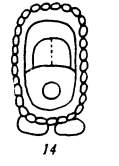
CEH:

56. P.N. L 2, G1.
57. Cop. 2, C6.
58. Pal. Inscr. (W), R1b.
59. Pal. 96 Gl., B1.
60. Quir. Alt P, H2a, l.h.
61. P.N. 12, B11.
62. Quir. Str 1, A''b.
63. Dresden 49b.
64. Dresden 45a.
65. Landa.

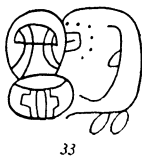
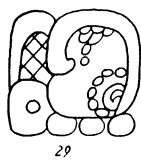
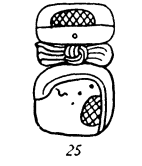
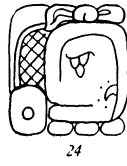
Yaxkin



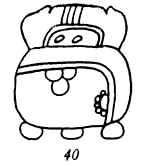
Mol



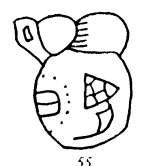
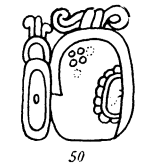
Ch'en



Yax



Zac



Ceh

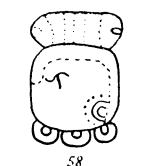


FIG. 18—MONTH SIGNS: MAC TO KAYAB

MAC:

1. P.N. 25, A8.
2. Pusil. D, G10.
3. Pal. Inscr. (E), N7.
4. Pal. Fol. Cross, C15.
5. Tik. Alt 5, Gl 25.
6. Palmar 8, A2.
7. Yax. L 25, F1a.
8. Yax. L 24, Y1a.
9. Yax. L 43, B1.
10. P.N. 16, D4b.
11. Pal. 96 Gl., A7.
12. Nar. 14, A2.
13. Aguas Cal. 1, E10.
14. Cop. W, B.
15. Cop. I'', B1.
16. Yaxha 13, A2.
17. Dresden 49c.
18. Dresden 49d.
19. Dresden 48c.
20. Landa.

KANKIN:

21. Cop. X, B1.
22. Nar. HS, V1b.
23. Pal. Sun, H2.
24. Chinik. Thr B1.
25. P.N. Alt 2, D2.
26. P.N. Alt 2, B1.
27. Seib. HS, K1a.
28. Uxmal Monjas, Capstone 1, B1.
29. Dresden 50a.
30. Landa.

MUAN:

31. Yax. L 35, X4.
32. Nar. 22, F17.

33. Nar. 23, H17.
34. Tik. Alt 5, Gl 2.
35. Mor. 2, D9.
36. Cop. A, C2b.
37. Pal. 96 Gl., L2.
38. P.N. Thr 1, K'1b.
39. Quir. G, N1.
40. Kabah jamb, B1.
41. Chichen 23, Bl 16.
42. Dresden 48b.
43. Dresden 48a.
44. Dresden 47b.
45. Landa.

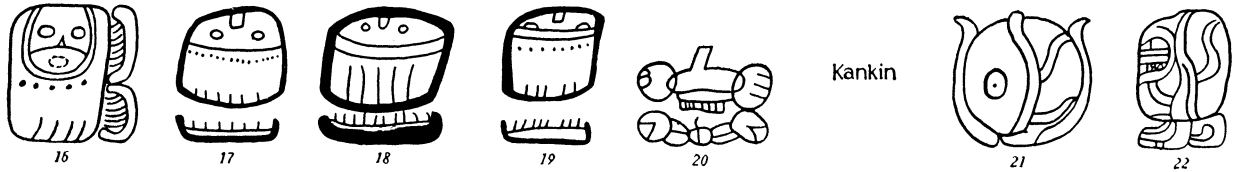
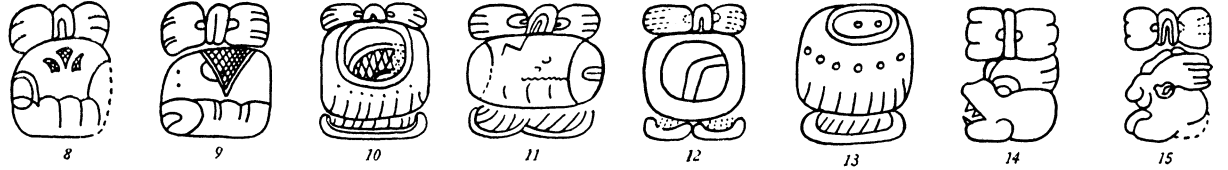
PAX:

46. Pal Palace, House C.
47. Yax. 21, F4.
48. Nar. 13, F9.
49. Pal. 96 Gl., G8.
50. P.N. L 3, U5.
51. Dresden 46c.
52. Landa.

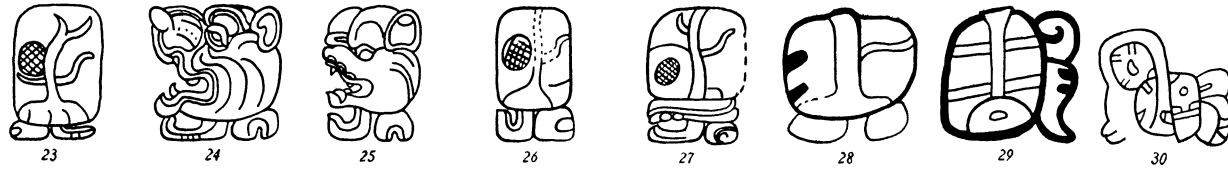
KAYAB:

53. Nar. HS, V1b.
54. Pal. Tablet 2, D2.
55. Pal. Cross, S17.
56. Cop. C, A3.
57. Cop. ball court.
58. Quir. F, B18a.
59. Quir. K, A7a.
60. Flores 2, B1.
61. Ucanal 4, B1.
62. Dresden 61b.
63. Dresden 62d.
64. Landa.

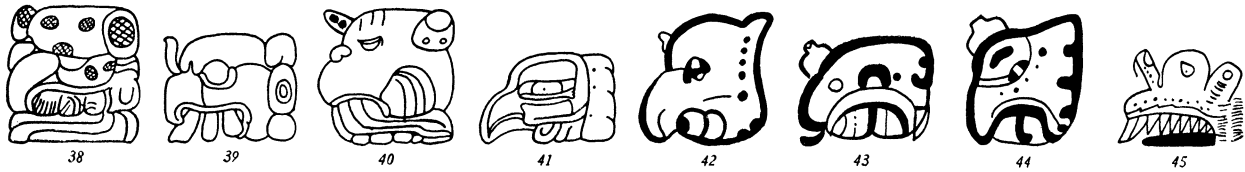
Mac



Kankin



Muan



Pax



Kayab



FIG. 19—MONTH SIGNS: CUMKU AND UAYEB,  
ENDS OF MONTHS, AND SEATINGS OF MONTHS AND YEARS

CUMKU:

1. Balak. 5, D2.
2. Cop. 3 (W), A7a, l.h.
3. P.N. 35, B10.
4. Pal. Cross, C4.
5. Nar. 24, D16.
6. Quir. E, A17b.
7. Cop. T 11, S door, E panel.
8. Cop. Review Stand, R1.
9. Cop. G3, B2.
10. Tila A, B7.
11. Chichen 27, B1.
12. Dresden 63b.
13. Dresden 69d.
14. Dresden 58e.
15. Dresden 62e.
16. Landa.

UAYEB:

17. Pal. Inscr. (E), E5.
18. Pal. Inscr. (W), Q4.
19. Pal. Fol. Cross, D8.
20. Dresden 50b.

ENDS OF MONTHS:

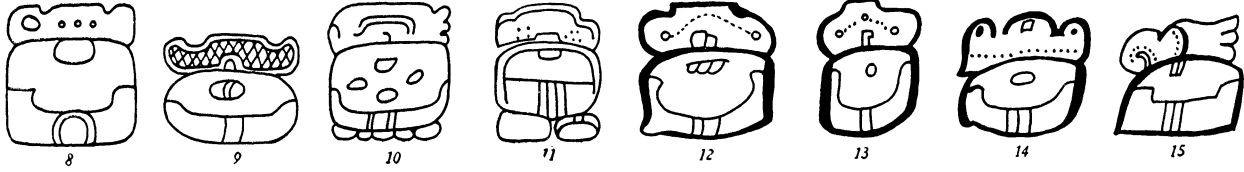
21. 13 Ik, End Mol. Pal. Cross, C9-D9.
22. 1 Caban, End Yax. P.N. shell, K2.
23. 1 Eb, End Yaxkin. Yax. L 9, A1-A3.
24. 13 Manik, End Yaxkin. Pal. House C, G1.
25. 9 Eb, End Yaxkin. Nar. 19, C1-C3.
26. 8 Manik, End Ceh. P.N. MSS 16, A1-B1.
27. 2 Eb, End Uayeb. Nar. HS, A1.

SEATINGS:

28. Seating of Zac. Pal. House E.
29. Seating of Pop. Pal. Cross, P3.
30. Tik. T 4, L 2, A4.
31. Seating of Kayab. Nar. 29, I7.
32. Seating of Zac. P.N. 12, B20a.
33. Seating of Zotz'. Pal. Cross, R13.
34. Seating of Pop. Cop. U, B1.
35. Seating of Zac. Pal. Cross, F9.
36. Seating of Uayeb. Dresden 50.
37. Seating of haab. Chinik. Thr 1, C1.
38. Seating of haab. Pal. Inscr. (W), E9.
39. Seating of haab. Pal. Inscr. (W), B9.
40. Forward from Seating of haab. Pal. Inscr. (W), H8.
41. Its Seating of haab. Pal. Inscr. (M), B1.
42. Indicator, Count to Seating of haab. Pal. Inscr. (E), L3.
43. Indicator, Count to Seating of haab. Pal. Inscr. (E), L10.
44. Indicator, Count to Seating of haab. Pal. Inscr. (E), G6.
45. Seating of haab. Cop. T 11, step, P1.
46. Indicator, Seating day. Pal. Fol. Cross, N7.
47. Indicator, Seating day. Pal. Inscr. (W), R8.
48. Indicator, Seating day. Pal. Inscr. (W), T7.
49. Indicator, Seating day. Tik. T 4, L 2, L9.
50. Indicator, Seating day. Pal. Sun, A14.
51. Seating of haab. Cop. U, O4.



Cumku



Uayeb

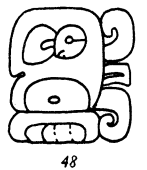
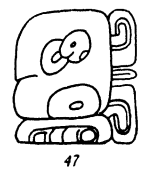
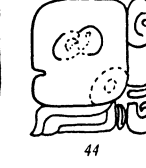
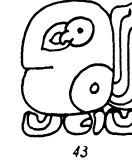
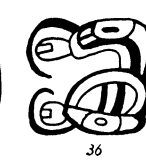
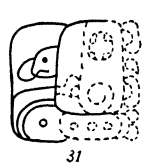
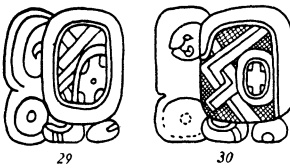
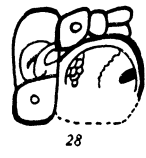
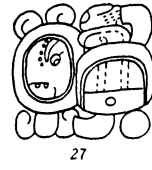
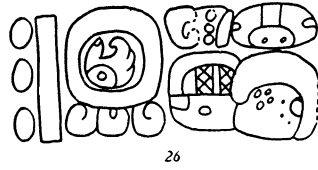
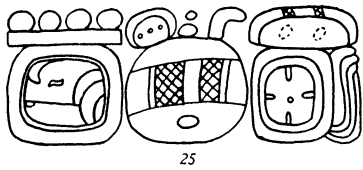
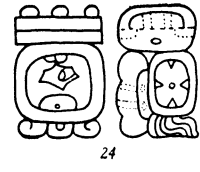
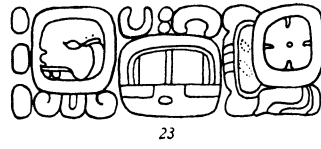
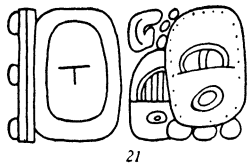
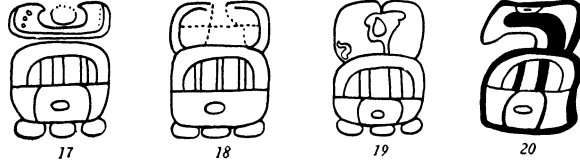


FIG. 20—SYMBOL FOR BLACK AND THE ASSOCIATIONS OF  
THE MOAN BIRD AND SPIRAL WITH WATER

BLACK:

1. Glyph for black, Dresden 30b.
2. Glyph for black, Dresden 53b.
3. Glyph for misery with black infix, Dresden 6c.
4. Glyph of death god with black infix, Dresden 20b.
5. Glyph of death god with black infix, Dresden 28a.
6. Glyph of death god without black markings, Dresden 13b.
7. Glyph for misery without black markings, Dresden 73b.
8. Moon glyph with black infix outlined with crosshatching, Pal. Cross, B13.
9. Moon glyph without black outlining, Quir. A, A7.

MOAN BIRD AS CELESTIAL BIRD OF RAIN:

10. Moan bird above celestial dragon, Tik. T 4.
11. Moan bird on celestial dragon with planetary symbols, Pal. House E.
12. Moan bird, Yax. 4.
13. Moan bird with vegetation on head and spiral in eye, Dresden 10a.
14. Moan bird with maize sprouting from Kan glyph on head and spiral in eye, Dresden 11a.
15. Planetary band with bird's head, probably of the Moan, at ends, Nar. 32.
16. God B with spiral in eye, Dresden 29b.
17. Moan bird perched on planetary band, Cop. H.
18. Spiral variant of month glyph Muan, Dresden 46c.
19. Glyphs of Moan bird, Dresden 16c.
20. Glyphs of Moan bird, Dresden 18b.
21. God D holding spiral, Dresden 4c.
22. Glyph associated with God D holding spiral, Dresden 4c.
23. Glyph for Moan bird, Dresden 8b.
24. Glyph for 13 layers of heaven above picture of Moan bird, Dresden 7c.

GLYPHS WITH SPIRALS:

25. Glyph of hand with spiral, Tik. 17, H5.
26. Glyph of hand with spiral, Pal. Inscr. (W), O11.
27. Spiral glyph, Nar. 8, B1.
28. Spiral glyph, Nar. 13, H4.
29. Cauac "storm" glyph with spiral infix, Madrid 34.
30. Glyph 9 spiral associated with God B as lord of the storage tank of rain, Dresden 35b.
31. Glyph for Atezcahuacan, Tribute roll, pl. 44.
32. Glyph of Anenequilco, Tribute roll, pl. 26.
33. Glyph for Atzacan, Tribute roll, pl. 18.
34. Glyph for Acozpa, Tribute roll, pl. 51.
35. Long-nosed god with spiral in eye, Cop. D.

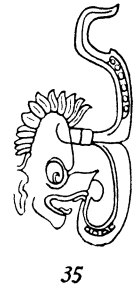
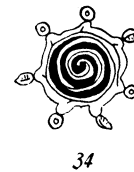
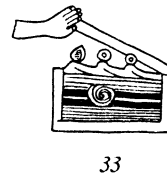
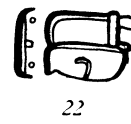
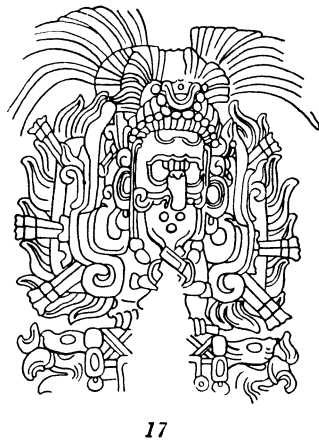
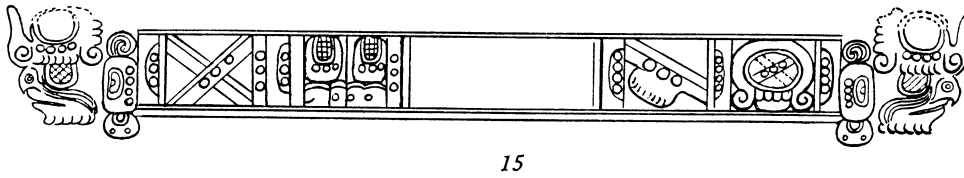
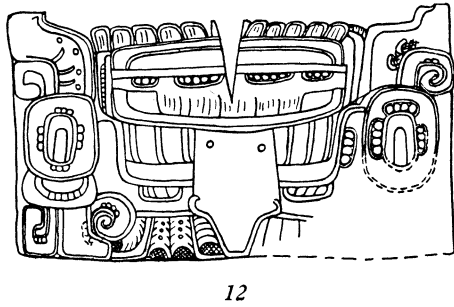
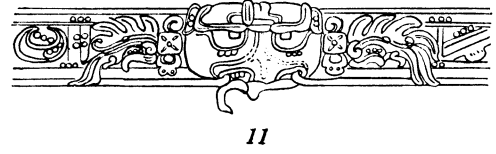
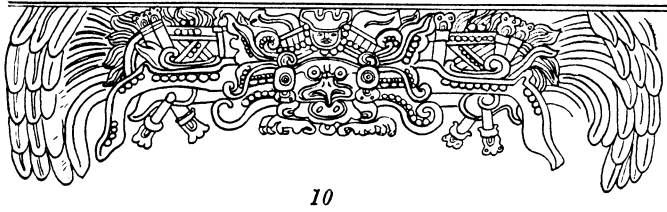


FIG. 21—OLD EARTH GOD AND OTHER DEITIES ASSO-  
CIATED WITH THE CONCH SHELL

1. God N with tun headdress. Dresden 48a.
2. God N with tun headdress. Paris 4b and D3. Glyph of God N. Dresden 21c.
3. God N seated in conch and wearing maize headdress and associated glyph. Dresden 41b.
4. Old god wearing conch. On pottery vessel, Alta Verapaz. After Dieseldorff.
5. Old god wearing deer headdress seated in conch. Design on gold disk from cenote, Chichen. (Courtesy of Peabody Museum, Harvard University.)
6. Old god wearing conch. On pottery vessel, Alta Verapaz. After Dieseldorff.
7. Old god emerging from conch. On pottery vessel, Alta Verapaz. After Dieseldorff.
8. Earth deity emerging from conch and holding maize stalk. Pal. Cross.
9. Tepeyollotl, as lord of night, before temple in which reposes conch shell. Vatican B 22.
10. Tecciztecatl, "He of the conch," regent of week 1 Miquiztli. Seated on symbol of night with conch shell before him. Aubin Tonalamatl 6.
11. Conch shell and eye of darkness before Tepeyollotl and Xolotl as regents of week 1 Mazatl. Bourbon 6.
12. Conch and darkness symbols associated with regent of week 1 Miquiztli. Bourbon 6.
13. Tepeyollotl, the jaguar god of the interior of the earth, as regent of week 1 Mazatl. Conch and what may be eye of darkness before his face. Aubin Tonalamatl 3.
14. Shell group of symbols worn by long-nosed god. Pal. Cross.
15. Shell group of symbols worn by long-nosed god. Pal. Palace, House E.
16. Shell group of symbols worn by long-nosed god. Pal. Palace, House A.
17. Shell group of symbols worn by long-nosed god. Cop. 1.
18. Glyph of shell and kin elements. Pal. Inscr. (M), J8, D5.



1



2



3



4



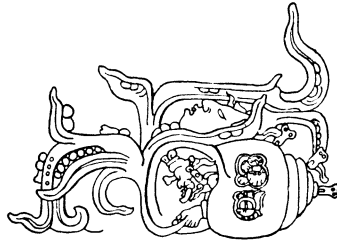
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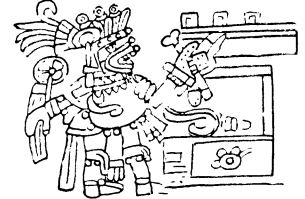
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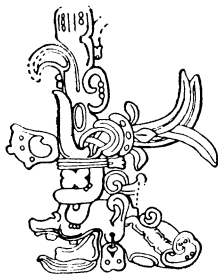
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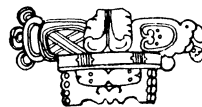
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17



18

FIG. 22—INITIAL SERIES INTRODUCTORY GLYPHS:  
VARIABLE ELEMENTS POP TO YAX

POP:	YAXKIN:
1. Pal. HS.	30. Leiden Plaque.
2. Cop. P.	31. Cop. 16.
3. Cop. P.	32. Cop. 23.
4. Pal. Olvidado.	33. Pusil. K.
5. Yax. Str 44.	34. P.N. 3.
6. P.N. 16.	35. Cop. HS, Date 26.
7. Quir. D.	36. Quir. D (W).
	37. Quir. C (W).
UO:	
8. Cop. I.	
9. Cop. I'.	MOL:
10. Tila C.	38. Cop. 15.
	39. Uxul 2.
ZIP:	40. P.N. 10.
11. P.N. 36.	41. El Cayo, L 1.
12. Yax. L. 26.	42. Quir. Str 1.
13. Yax. 1.	43. Uax. 7, left.
14. Quir. F.	
15. Cop. N.	CH'EN:
16. Tila A.	44. Cop. 17.
ZORZ':	45. Ichpatun 1.
17. P.N. 29.	46. Alt. de Sac. 6.
18. Cop. 7.	47. Cop. D.
19. Cop. 7.	48. P.N. L 3.
20. Cop. 1.	49. Sacchana 2.
21. Cop. 6.	
22. Quir. J.	YAX:
ZEC:	50. Uax. 26.
23. P.N. L 12.	51. Pusil. E.
24. Pal. Cross.	52. Nar. 24.
25. Mor. 2.	53. Cop. B.
26. Yax. 11.	54. Cop. S.
27. Quir. H.	55. Cop. HS, Date 24 (perhaps Yaxkin).
28. Los Higos 1.	56. Yax. L 21.
XUL:	57. Yax. L 29.
29. P.N. 39.	58. Quir. K.
	59. Sacchana 1.

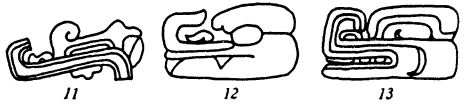
Pop



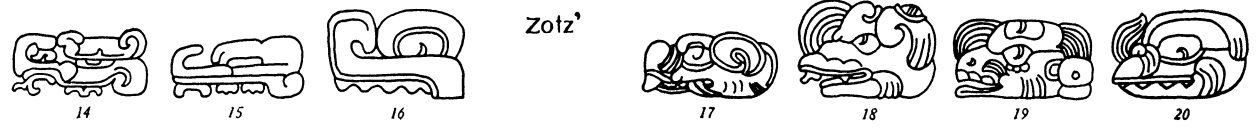
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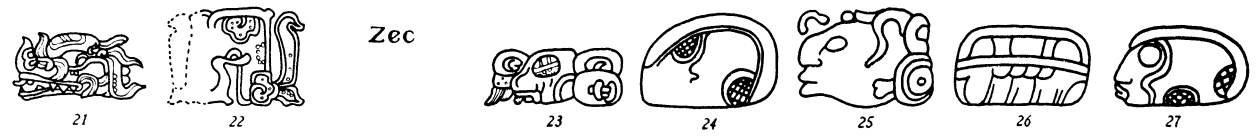
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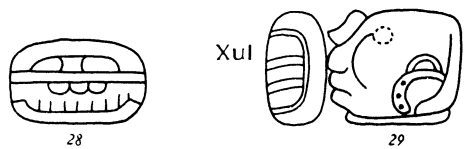
Zotz'



Zec



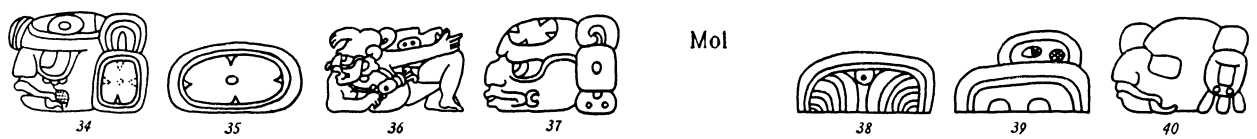
Xul



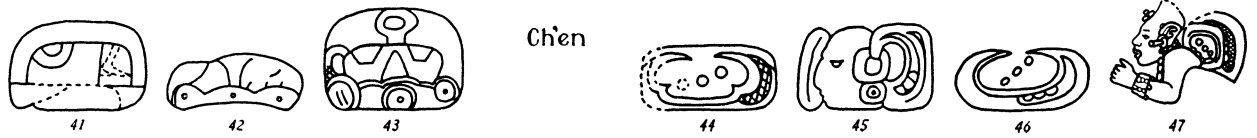
Yaxkin



Mol



Ch'en



Yax

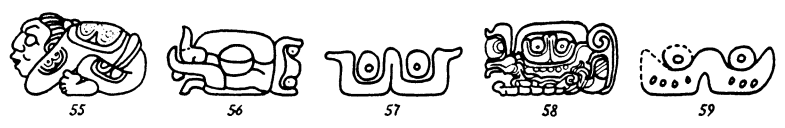
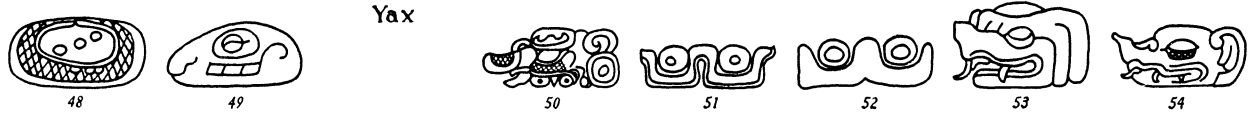
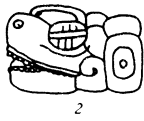
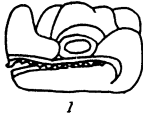


FIG. 23—INITIAL SERIES INTRODUCTORY GLYPHS:  
 VARIABLE ELEMENTS ZAC TO CUMKU AND EXAMPLES  
 OF COMPLETE GLYPHS

ZAC:	PAX:
1. P.N. 23.	18. Yax. L 48.
2. Quir. I.	19. Cop. 9.
3. Chichen 1.	20. Quir. B.
	KAYAB:
CEH:	21. Cop. 3 (E).
4. P.N. L 2.	22. Cop. 5.
5. Pal. Sun.	23. Cop. C (W).
6. Quir. P.	24. Quir. F (W).
7. Quir. Alt P.	25. Quir. E (W).
	26. Quir. A (E).
	27. Ixkun 2.
MAC:	CUMKU:
8. Pal. Fol. Cross.	28. Cop. 3 (W).
9. Cop. 2.	29. Cop. A.
	30. Cop. C (E).
KANKIN:	31. Quir. E (E).
10. Nar. HS.	32. Quir. C (E).
11. Pusil. P.	
12. Xcal. IS.	COMPLETE GLYPHS:
13. Quir. Alt O.	33. Yaxkin. Leiden Plaque.
14. Uax. IS Vase.	34. Pax. Oxkin. L 1.
	35. Zec? Cop. 21.
MUAN:	36. Pax? Pal. stucco in Madrid.
15. Tik. 10, A6. (?)	37. Ch'en. Cop. D.
16. P.N. 3.	38. Yaxkin. Cop. HS, Date 26.
17. Quir. G.	39. Ch'en. P.N. L 3.
	40. Ch'en. Sacchana 2.



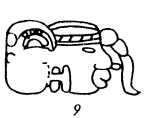
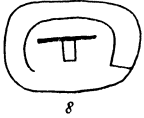
Zac



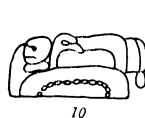
Ceh



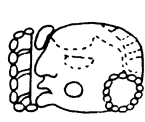
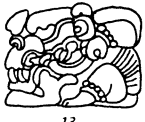
Mac



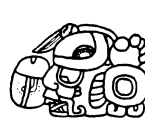
Kankin



Muan



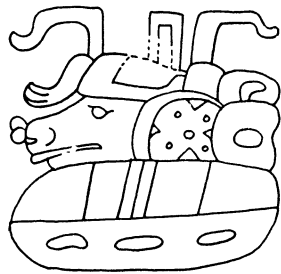
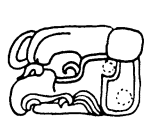
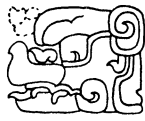
Pax



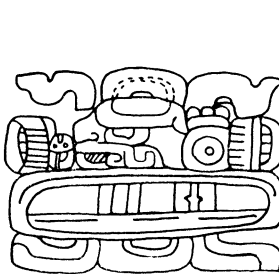
Kayab



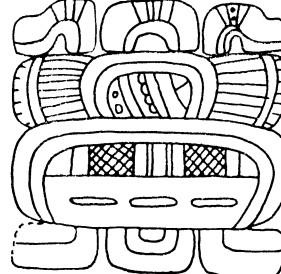
Cumku



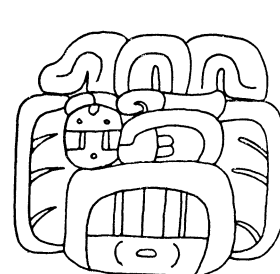
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34



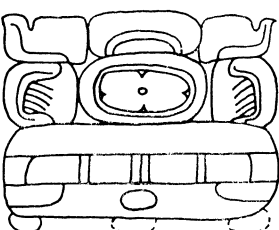
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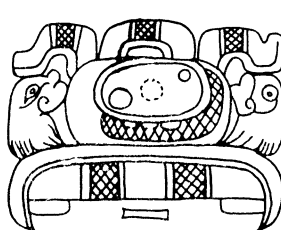
36



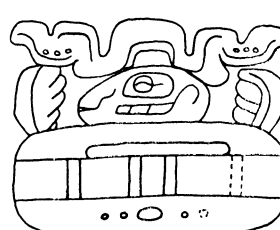
37



38



39



40

FIG. 24—HEADS FOR NUMBERS 1 THROUGH 10

ONE:

1. Pal. Madrid stucco.
2. Pal. Sun, A3.
3. Pal. Fol. Cross, A8.
4. Quir. F, D5a.
5. P.N. Thr, G'2.
6. P.N. Thr screen, B1.
7. Pal. 96 Gl., H6.

TWO:

8. P.N. L 2, A9-A10.
9. Pal. Inscr. Pier A.
10. Pal. 96 Gl., E8.
11. Pal. 96 Gl., F8.

THREE:

12. Pal. Sun, A6.
13. Pal. Inscr. (E), Q3.
14. Pal. Olvidado.
15. Pal. Olvidado.
16. Quir. F, D8a.
17. Chichen 23, Band 18.

FOUR:

18. Yax. L 48, A3.
19. Cop. 15, A4.
20. Pal. Fol. Cross, A6.
21. Pal. Cross, A6.
22. Pal. Madrid stucco.
23. Quir. F, B4a.
24. Quir. Alt P, Fra.
25. Halakal 1, F1.

FIVE:

26. Pal. Tab. 1, C3.
27. Pal. Tab. 1, B2.
28. Cop. I, B5.
29. Quir. J, A8.
30. Pal. 96 Gl., D4.
31. P.N. 15, front.

SIX:

32. P.N. L 2, A7-A8.
33. Pal. Inscr., Pier A.
34. Pal. Tab. 1, B3.
35. Pal. Olvidado.
36. Quir. A, B5a.
37. Pal. 96 Gl., C5.

SEVEN:

38. P.N. 4, A7.
39. Pal. 96 Gl., H7.
40. P.N. Thr, I'2.
41. Quir. D, C13-C14.

EIGHT:

42. Yax. L 48, B1.
43. Pal. Cross, A8.
44. Pal. HS, A2.
45. Quir. J, A11.
46. Cop. C, B7b.
47. Cop. T 11, S door, W panel.
48. Pal. 96 Gl., B1.
49. Pal. 96 Gl., C3.

NINE:

50. Yax. L 48, A2.
51. Cop. drain cover.
52. P.N. L 2, A2.
53. Quir. J, A6.
54. P.N. L 3, A2.
55. Pal. 96 Gl., H1.

TEN:

56. Nar. HS, I2a.
57. Cop. 6, B6a.
58. Cop. I, C6b.
59. Pal. Fol. Cross, A12.
60. Quir. F, C8b.
61. Quir. F, C4a.
62. Quir. A, A9b.



Fig. 25—HEADS FOR NUMBERS 11 THROUGH 19 AND FOR COMPLETION,  
NUMERICAL HEADS IN CODEX DRESDEN, AND SYMBOLS FOR NUMBERS

ELEVEN:

1. Yax. L 48, A4.
2. P.N. L 2, A5-A6.

TWELVE:

3. Pal. Cross, A3.
4. Tila B, B3.
5. Pal. 96 Gl., A1.
6. Quir. F, B5a.
7. Chichen 3, A1a.

THIRTEEN:

8. Pal. Str 18.
9. Pal. HS, A3.
10. Pal. Sun, A8.
11. Pal. Cross, A5.
12. Tila B, A4.
13. Cop. HS, Qa.
14. Quir. F, A4a.

FOURTEEN:

15. Quir. F, B3a.
16. Quir. Alt O, E2-F2.

FIFTEEN:

17. P.N. 9, B4a.
18. Pal. 96 Gl., G2.
19. Quir. G, E1.
20. Chichen 12, A3.

SIXTEEN:

21. Yax. L 48, B2.
22. Pal. Inscr. (E), T6a.
23. Quir. J, A4.
24. Quir. F, D3a.
25. Quir. Alt O, G1a.

SEVENTEEN:

26. P.N. 14, A5.
27. Quir. F, A5a.
28. Quir. G, C2.

EIGHTEEN:

29. Pal. Cross, A9.
30. Pal. Sun, A4.
31. Quir. Str 1, V.

NINETEEN:

32. Cop. 10, A3a.
33. Cop. 3, B3, u.h.
34. Pal. House A, Pier A.
35. Pal. Cross, A4.
36. Cop. T 11, S door, E panel (reversed).

COMPLETION:

37. Nar. HS, J2a.
38. Nar. HS, K2a.
39. Cop. 1, A5a.
40. Pal. Fol. Cross, A7.
41. Quir. J, A9.
42. Quir. F, C5a.
43. Quir. F, D4a.
44. Quir. Alt P, D2a.
45. Quir. Alt P, E1a.

NUMERICAL HEADS IN DRESDEN:

46. Head for 9. Dresden 70.
47. Head for 18. Dresden 69.
48. Head for 16. Dresden 61.
49. Head for 19. Dresden 61.

SYMBOLS FOR NUMBERS:

50. Thumbs representing 1. Nar. HS, Bl 6, B3b; Quir. F (E), D10.
51. Sign used for 3. Dresden 9b.
52. Kin sign used as 4. Cop. 1, D6a.
53. Bar and three dots with maize foliage, representing 8. Cop. 1, C6.
54. Bar and three dots with *te* (3) headdress. Dresden 36b.
55. Completion or zero signs. Pusil. O, B4a; Yax. L 25, K1.
56. Completion or zero signs. Cop. M, A2b; P.N. Thr 1, A'2.
57. Hand and shell as completion sign or zero. Pal. Cross, A7.
58. Hand and shell as completion sign or zero. Quir. A, B4a.
59. Shells as symbols of completion. Dresden 64, 70.
60. Moon as symbol for 20. Dresden 4c.

Eleven



Twelve



Thirteen



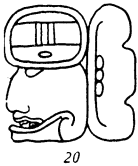
Fourteen



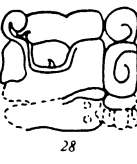
Fifteen



Sixteen



Seventeen



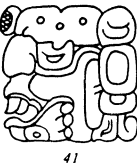
Eighteen



Nineteen



Completion



Various

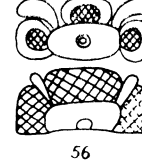
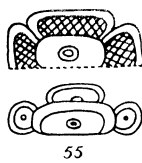
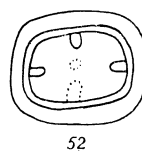
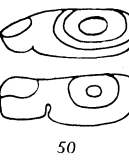


FIG. 26—GEOMETRIC (OR SYMBOLIC) FORMS OF PERIOD GLYPHS

CALABTUN AND KINCHILTUN:

1. Calabtun. Tik. 10, A8.
2. Calabtun. Pal. House E, band.
3. Calabtun. Pal. Inscr. (W), E12.
4. Calabtun. Stone of Chiapa, B3.
5. Calabtun. Cop. C, A2.
6. Calabtun. Cop. C, B2.
7. Kinchiltun. Quir. F, D16a.

PICTUN:

8. Tik. 10, A9.
9. Pal. House E, band.
10. Pal. Inscr. (W), F11.
11. Pal. Inscr. (M), L3.
12. Quir. F, C16b.
13. Dresden 69, center column.
14. Dresden 61, A13.

BAKTUN:

15. Uax. 26, A4.
16. Pal. Inscr. (W), J2.
17. Pal. Cross, B3.
18. Cop. S, H.
19. Cop. T 11, E door, S panel, B5.
20. Quir. O, A1.
21. Quir. I, A3.
22. Hatz. Cecl 2, B1.
23. Uax. IS Vase, A2.

KATUN:

24. Balak. 5, D9.
25. Pal. Cross, B4.
26. Cop. J (W), G1 24.
27. Yax. L 30, C4.
28. Cop. T 11, E door, S panel, C1.

29. Nar. 13, A2.
30. Pal. 96 Gl., H6.
31. Sacchana 1, B3.
32. Dresden 61, A14.

TUN:

33. Uax. 26, A5.
34. Pal. stucco in Madrid.
35. Nar. 24, D14.
36. Quir. J, E2.
37. P.N. Thr 1, B'2.
38. Cop. U, O2.
39. Nakum C, A5.
40. Dresden 61, B14.

UINAL:

41. Balak. 5, D8.
42. Cop. 26.
43. Pal. Cross, B6.
44. Tila C, B4.
45. Stone of Chiapa, D2.
46. Cop. HS, Date 22.
47. Chichen 1, B4.
48. Dresden 61, A15.

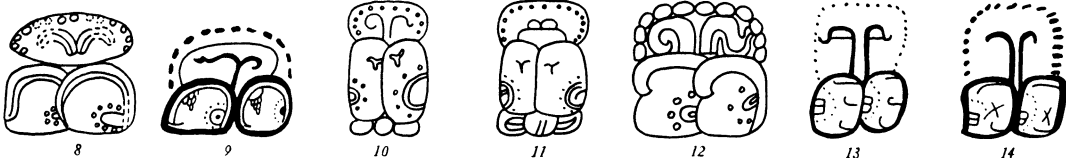
KIN:

49. Uax. 26, A6.
50. Pusil. K, C5.
51. Cop. I, A5b.
52. Pal. Fol. Cross, D17.
53. Cop. M, C2.
54. Quir. O, E1.
55. Quir. P, A3b.
56. Quir. I, A4b.
57. Dresden 61, B15.

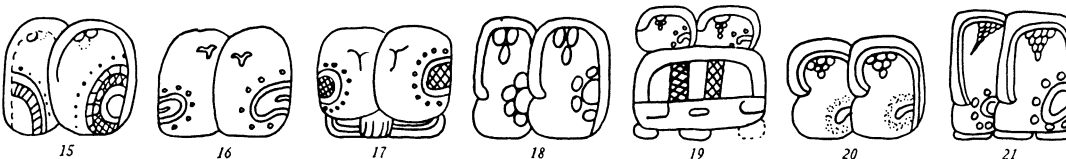
Calabtun  
Kinchiltun



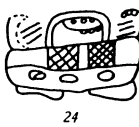
Pictun



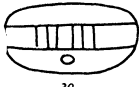
Baktun



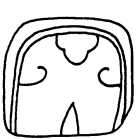
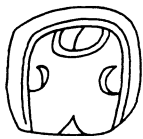
Katun



Tun



Uinal



Kin

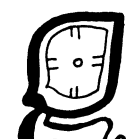
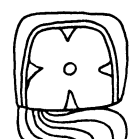
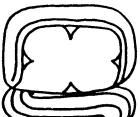
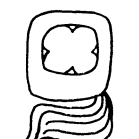
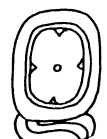
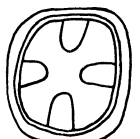
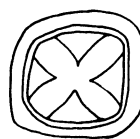


FIG. 27—HEAD (PERSONIFIED) FORMS OF PERIOD GLYPHS

- PICTUN:**  
 1. Chiapa Stone, A3.  
 2. Cop. N, B14.
- BAKTUN:**  
 3. Leiden A2.  
 4. Oxkin. L 1, A2.  
 5. P.N. L 12, A2.  
 6. Pusil. O, A3.  
 7. Pal. stucco in Paris.  
 8. Pal. Olvidado.  
 9. Yax. L 56, B1.  
 10. P.N. 10, A3.  
 11. Cop. HS, Date 25.  
 12. Quir. E, A3.  
 13. P.N. L 3, B2.  
 14. Sacchana 1, A3.
- KATUN:**  
 15. Leiden A3.  
 16. Oxkin. L 1, A3.  
 17. P.N. L 12, B2.  
 18. Pusil. O, B3.  
 19. Pal. stucco in Madrid.  
 20. Cop. 1, B3.  
 21. P.N. 1, A3.  
 22. Yax. L 56, A2.  
 23. Xcal. IS, B4.  
 24. Cop. HS, Step K, Db.  
 25. Quir. F, B3b.  
 26. P.N. L 3, B3.  
 27. Chichen 1, B3.
- TUN:**  
 28. Leiden A4.  
 29. P.N. L 12, A3.  
 30. Yax. L 48, A4.  
 31. Pusil. O, A4.  
 32. Nar. HS, M3b.
33. Pal. Inscr., Pier A, 46.  
 34. Cop. J (E), A4.  
 35. Yax. L 56, B2.  
 36. P.N. 10, A4.  
 37. Cop. HS, Date 26.  
 38. Quir. J, B5.  
 39. Sacchana 1, A4.
- UINAL:**  
 40. Leiden A5.  
 41. P.N. L 12, B3.  
 42. Pusil. O, B4.  
 43. Cop. drain cover.  
 44. Nar. HS, J2.  
 45. Pal. stucco in Madrid.  
 46. Yax. L 56, C1.  
 47. Mor. 2, B4.  
 48. Cop. HS, Step K.  
 49. P.N. 14, B5.  
 50. Quir. E (W), B4.  
 51. Uax. 7, B4.  
 52. Sacchana 1, B4 (with unusual zero coefficient).
- KIN:**  
 53. Leiden A6.  
 54. P.N. L 12, A4.  
 55. Pusil. O, A5.  
 56. Cop. drain cover.  
 57. Nar. HS, K2.  
 58. Yax. L 56, D1.  
 59. P.N. 10, A5.  
 60. Cop. HS, Date 1.  
 61. P.N. 14, B6.  
 62. Quir. K, B4b.  
 63. Quir. Str 1, K-L.  
 64. Uax. IS Vase, B3.  
 65. Sacchana 2, A5.  
 66. Chichen 1, A5.



Pictun

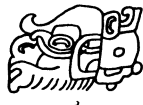


1



2

Baktun



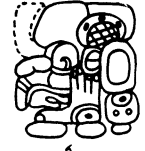
3



4



5



6



7



8



9



10



11



12



13



14

katun



15



16



17



18



19



20



21



22



23



24



25



26

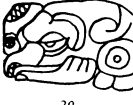


27

Tun



28



29



30



31



32



33



34



35



36



37



38



39

Uinal



40



41



42



43



44



45



46



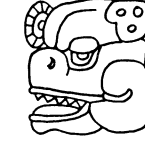
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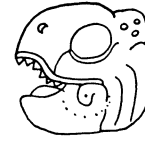
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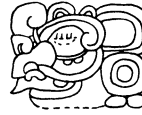


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Kin



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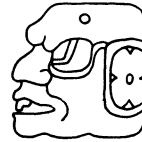
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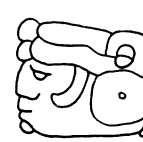
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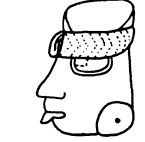
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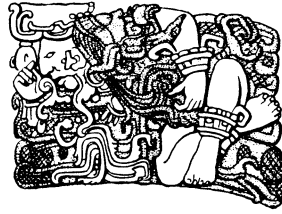


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FIG. 28—FULL-FIGURE GLYPHS OF BAKTUN, KATUN,  
AND TUN, AND COEFFICIENTS

1. 9 baktuns. Quir. B.
2. 9 baktuns. Quir. D (E).
3. 9 baktuns. Cop. D.
4. 9 baktuns. Quir. D (W).
5. 9 baktuns. Quir. Alt O.
6. 17 katuns. Quir. B.
7. 16 katuns. Quir. D (E).
8. 15 katuns. Cop. D.
9. 16 katuns. Quir. D (W).
10. 17 katuns. Quir. Alt O.
11. 10 katuns. Cop. HS, Date 24.
12. 10 tuns. Quir. B.
13. 15 tuns. Quir. D (E).
14. 5 tuns. Cop. D.
15. 13 tuns. Quir. D (W).
16. 1 tun. Cop. HS, Date 24.
17. 14 tuns. Quir. Alt O.

BAKTUN



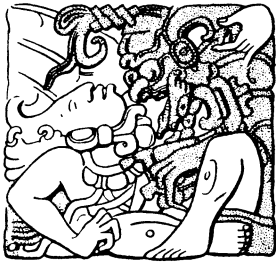
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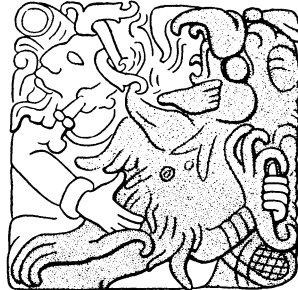
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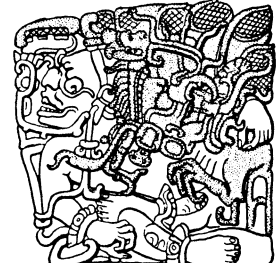


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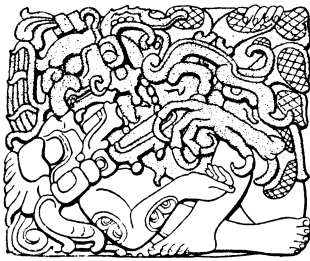


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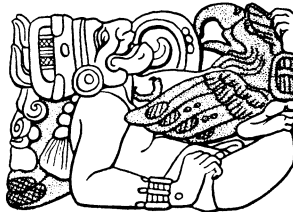
KATUN



6



7



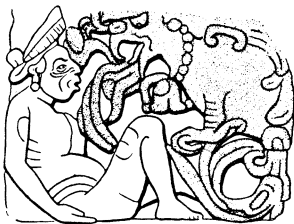
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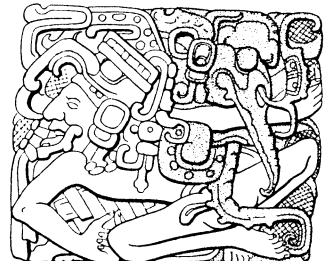


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TUN



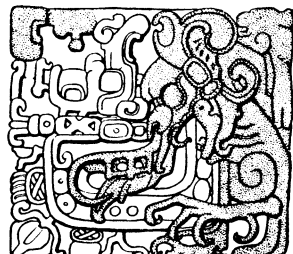
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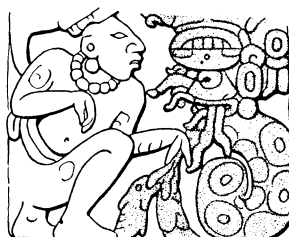
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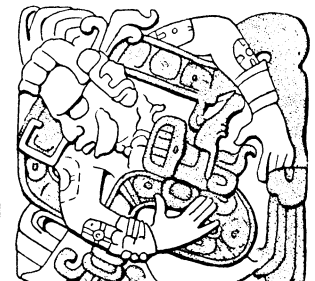
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16



17

FIG. 29—FULL-FIGURE GLYPHS OF UINAL, KIN, AND LUNAR SERIES, AND COEFFICIENTS

1. 0 uinals. Quir. B.
2. 0 uinals. Quir. D (E).
3. 0 uinals. Cop. D.
4. 4 uinals. Quir. D (W).
5. 0 kins. Quir. B.
6. 0 kins. Quir. D (E).
7. 0 kins. Cop. D.
8. 17 kins. Quir. D (W).
9. 8 kins. Cop. HS, Date 24.
10. 16 kins. Yax. L 48.
11. Glyphs G9 and F. Quir. B.
12. 7 animal head E, D. Quir. B.
13. 1C. Quir. B.
14. Glyph B with Glyph X in carrying pack. Quir. B.
15. A9 with added elements not identified. Quir. B.
16. Glyphs G3 and F. Cop. HS, Date 24.
17. Count 4 moons (Glyph C). Cop. HS, Date 24.



FIG. 30—SPECIALIZED GLYPHS IN DISTANCE NUMBERS

SUPPRESSION OF GLYPHS:

1. Kin coefficient attached to uinal glyph. Quir. M, A1.
2. Kin coefficient attached to uinal glyph. Yax. L 25, K1.
3. Kin coefficient attached to tun. Uinal and coefficient (o) suppressed. Yax. 12, A6.
4. Kin and tun glyphs. Uinal and coefficient (o) suppressed. Cop. J (E), G1 18.
5. One katun, 10 tuns. Tun coefficient attached to katun; o uinals and o kins suppressed. Cop. U, I1.
6. 3 tuns. o uinals, o kins suppressed. Tik. T 4, L 3, F1.
7. Reversed coefficients: 4 uinals, 19 kins. Quir. E (W), B16b.
8. Distance number of nothing: o uinals o kins. Quir. K, C3b.

DISTANCE NUMBER INTRODUCTORY GLYPH—SYMBOLIC AND HEAD FORMS:

9. Yax. L 25, J.
10. Cop. I, C6b.
11. Pusil. D, C8.
12. Cop. HS (Gordon, pl. 12), J3.
13. Cop. HS, Step P1.
14. Cop. A, B11a.
15. Quir. Str 1, K'.
16. Cop. T 11, E door, S panel, A1.
17. Pal. 96 Gl., G6.
18. Pal. 96 Gl., C2.
19. Pal. 96 Gl., D8.

"HEL," SUCCESSION, GLYPH:

20. Count of 3 "hel." Pal. Cross, O8.
21. 1 or 3 "hel." Pal. Inscr. (W), R5.
22. The 9-16-9 "hel" count. Pal. Inscr. (E), S6-S7.
23. The 9-16-9 "hel" count. Pal. Inscr. (M), G10-J1.
24. 5 "hel." Pal. Sun, Q7.
25. 13 "hel." Cop. B, B11a.
26. 14 "hel." Quir. J, C16.
27. 14 "hel." Cop. N, pedestal, D5.
28. 16 "hel." Quir. I, B9a.
29. Dresden 10b.
30. Dresden 5a.
31. Dresden 25b.
32. Madrid 70a.
33. Madrid 66b.

34. Madrid 68a.
35. Madrid 72a.
36. Glyph for feast. Mendoza 19.

ANTERIOR DATE INDICATORS:

37. P.N. L 2, X3.
38. P.N. 12, A16a.
39. Cop. U, P2.
40. Quir. P, E9b.
41. Cop. C, A7a.

POSTERIOR DATE INDICATORS:

42. Pal. Inscr. (W), R12.
43. Yax. L 25, N1.
44. Quir. E (W), S5.
45. Pal. Inscr. (W), S5.
46. Pal. 96 Gl., G1.
47. Cop. T 11, E door, S panel, C5.

"SNAKE" PREFIX AS ANTERIOR DATE INDICATOR:

48. With 13 Ahau. Pal. Inscr. (E), M7.
49. With 3 Ahau. Pal. Inscr. (W), R3.
50. With 1 Manik. Pal. 1, A10.
51. With 13 Ahau. Pal. 96 Gl., K2.

"PROPELLER" GLYPH:

52. Symbolic form. Pal. Inscr. (W), O2.
53. Symbolic form. Pal. Inscr. (M), C4.
54. Personified. Pal. 96 Gl., B3.

LONG-NOSED GOD WITH FLARE IN FOREHEAD:

55. Personified. Cop. K, P2b.
56. Symbolic form. Pal. Fol. Cross, A15.
57. Full figure. Pal. Fol. Cross, D2.
58. Full figure. Pal. Fol. Cross, C6.
59. Personified. Cop. R, F2.

FISH-IN-HAND AND SKY CLAUSE:

60. Pal. Fol. Cross, M10-L11.
61. Intervening glyphs not shown. Pal. Sun, O13, N15.
62. Pal. Cross, O9-O10.
63. Fish not certain. Personified sky sign. Bonam. 2, C1-D1.

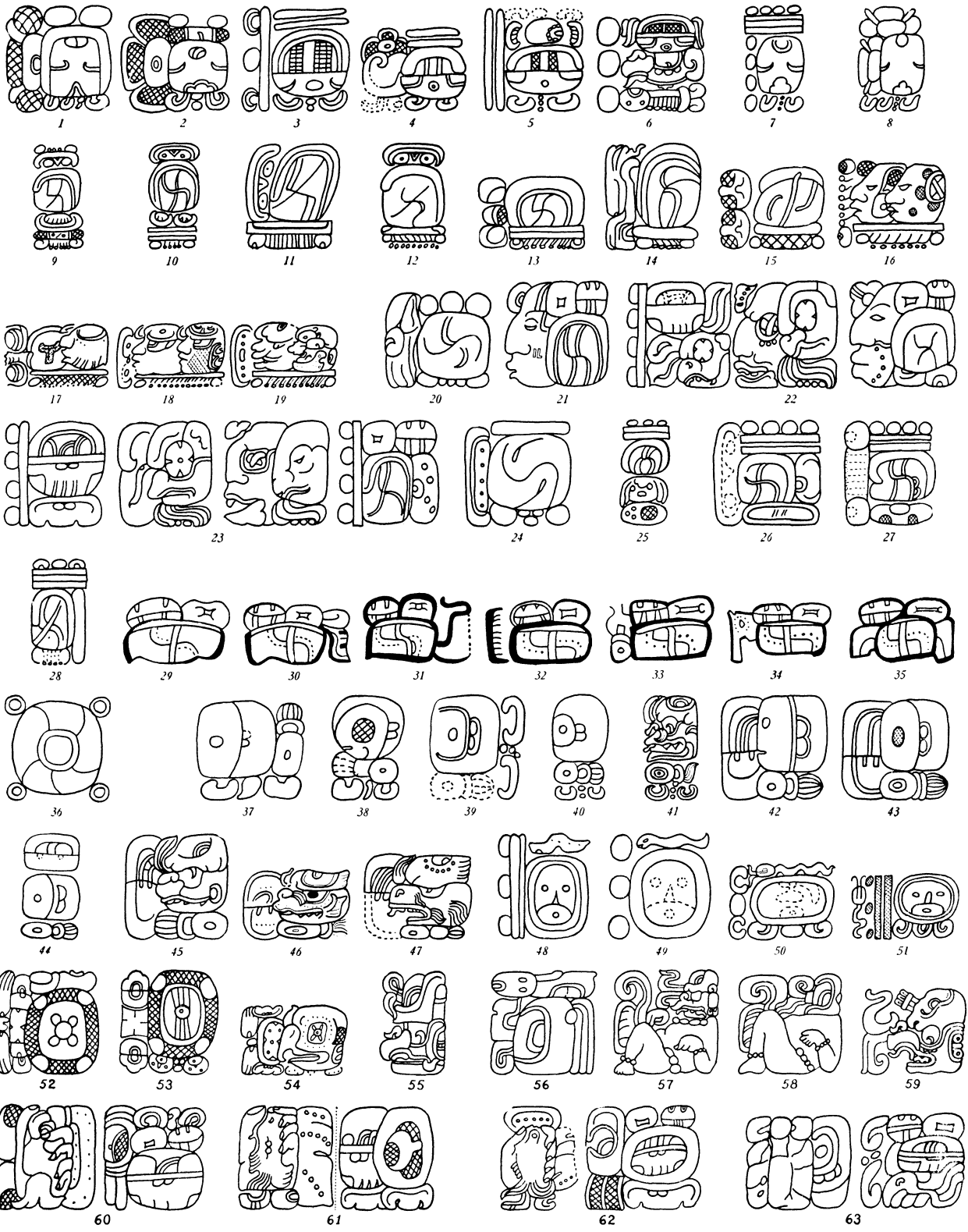


FIG. 31—SPECIALIZED GLYPHS FOR KIN AND SKY SYMBOLS

SHELL VARIANT OF KIN:

1. Nar. HS, B3.
2. Cop. I, C6a.
3. Pal. Fol. Cross, B12.
4. Cop. HS, Date 22.
5. Cop. HS, fragment.
6. Yax. L 31, K3a.
7. Scib. HS, I1b.
8. Nar. 32, M1.

"GLYPH Z":

9. Yax. Str 44.
10. Yax. L 46, C'1.
11. With Y. Yax. L 21, A5.

INVERTED AHAU:

12. P.N. 1, F3.
13. P.N. 8, B24.
14. P.N. shell, H1.
15. Quir. C, I1.
16. P.N. L 3, L1.
17. P.N. L 3, U4.
18. Nar. 12, C8b.
19. Quir. Alt O, U1a.
20. Yax. L 10, E5a.
21. On side. Cop. 9, B6.

ANIMAL VARIANT:

22. Pal. Inscr. (E), M6.
23. Pal. Inscr. (W), G8.
24. Pal. Sun, C14.
25. Pestac 1, C6.
26. Cop. J (W), G1 17.
27. Quir. H, S2.
28. Cop. HS, S11.
29. Nar. 32, X5.
30. With lunar series. Yax. L 29, C1.
31. With lunar series. Quir. E (W), B6a.
32. With lunar series. Quir. B, G1 8.

QUINCUNX GLYPHS:

33. Pal. 96 Gl., L1.
34. Glyph Y. Pal. Cross, B10.

35. Glyph Y. Yax. 4, fragment.
36. Glyph Y and moon. Yax. L 21, B5.
37. Glyphs Y and Z. Yax. L 56, E1.
38. Glyph Y. Yax. L 29, A5.
39. Pal. Inscr. (W), Q12.
40. P.N. Alt 2, I1.

SUN-AT-HORIZON GLYPHS:

41. 1 kin. Tik. T 4, L 3, C4.
42. 1 kin. Tik. T 4, L 2, A7.
43. 1 kin. Nar. 32, T2.
44. Without prefix. P.N. 36, C7.
45. Forward to. P.N. 1, E3.
46. Forward to. P.N. L 3, T2.
47. Forward to. P.N. Thr 1, N1.
48. Forward to. P.N. Thr 1, I'-J'1.
49. Yax prefix. Cop. N, pedestal, A4.
50. Yax prefix. Cop. R, K2a.
51. Chicchan head. Cop. N, A17.

SKY ELEMENTS IN VARIOUS GLYPHS:

52. Cop. A, C11.
53. Yax. 1, C9.
54. Yax. L 31, J4.
55. Nar. 23, H16.
56. Pal. Inscr. (W), D12.
57. Pal. Fol. Cross, O14.
58. Pal. Sun, A1-B2.
59. P.N. L 2, A1-B2.
60. P.N. L 3, E1.
61. Quir. P, B4.
62. Quir. E, D6.
63. Cop. B back, 2.
64. Cop. Q, E4.
65. Cop. U, C2.
66. Cop. U, L3.
67. Quir. E, A18b.
68. Yax. L 35, A6.
69. Yax. L 31, J4.
70. P.N. L 3, K1.
71. Quir. C, B15.
72. Dresden 56a.



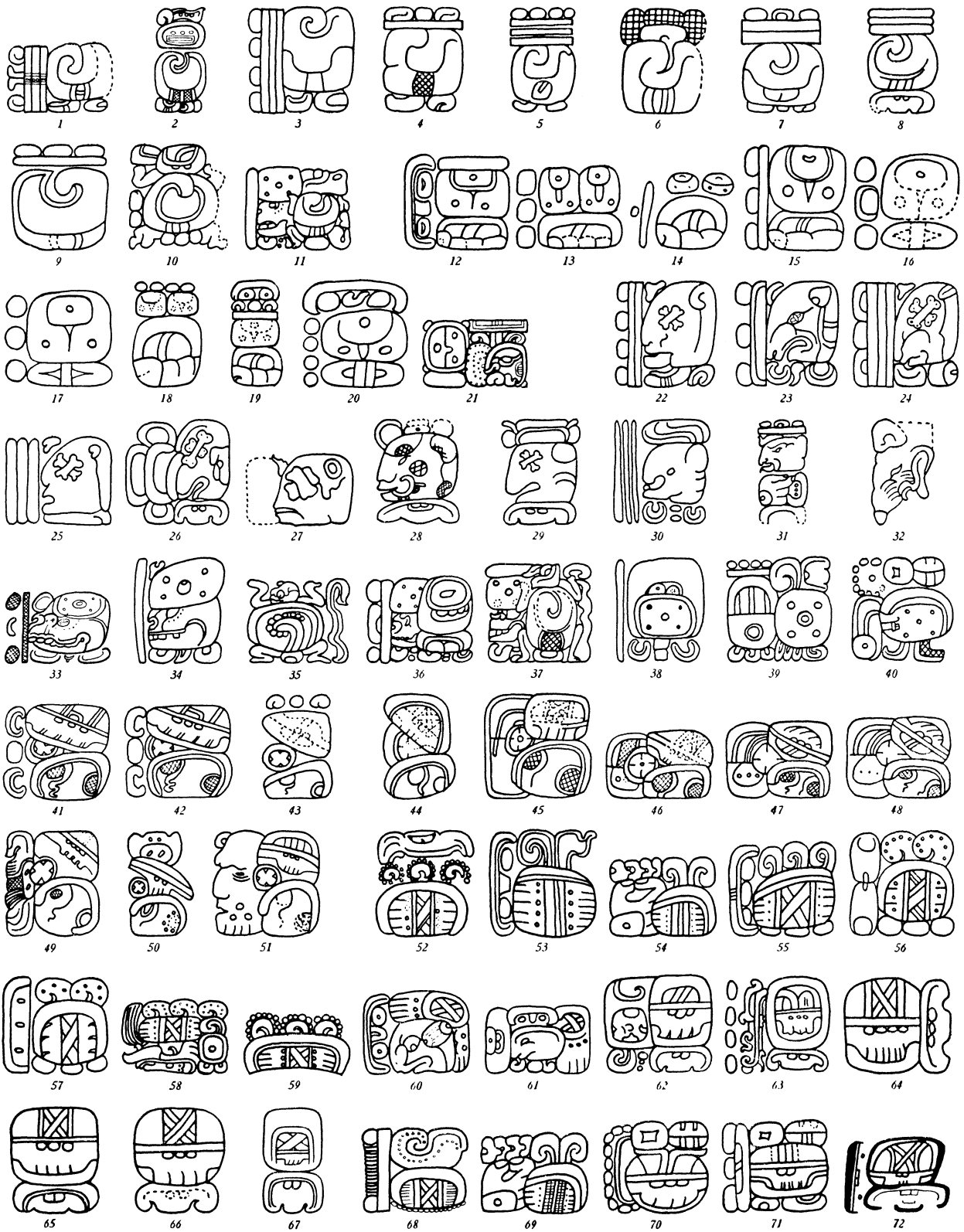


FIG. 32—PERIOD ENDING SIGNS

1. Completion 13 baktuns. Pal. Cross, D4-C5.
2. Completion of fifteenth baktun. Mor. 2, E8-F8.
3. Completion of third katun. Uax. 12, A6-B6.
4. Completion of fifteenth katun. Cop. B, B5-B6.
5. Completion count of fifteenth katun. Cop. 4, B7.
6. Completion of twelfth katun. Cop. Altar of I.
7. Completion of fifteenth katun. Pusil. E, A11-B11.
8. Completion of fourteenth katun. P.N. 3, F9-F10.
9. Completion 10 katuns. Nar. L 1, F3.
10. Completion period of fifteenth katun. Cop. A, B12b-C12a.
11. Forward to completion of second baktun. Pal. Fol. Cross, C7-D7.
12. Tenth katun. Pal. Inscr. (E), T2.
13. Fifteenth katun. P.N. Alt 2, H2.
14. Count of 11 katuns. Pal. Inscr. (M), A3.
15. Count of 9 katuns. Pal. Inscr. (E), P3.
16. Tenth baktun. Cop. 8, E2.
17. Expiration of 11 katuns. Pal. 96 Gl., B2.
18. Expiration of 19 katuns. Quir. Str 1, Y'.
19. Expiration of 10 tuns. Ixlu Alt of 2, A3.
20. Count of succession (?) of 9 baktuns. Pal. Cross, S1-R2.
21. Succession (?) of count of 11 katuns. Pal. Inscr. (W), O3-P3.
22. Completion of expiration of 19 katuns. Quir. Str 1, W1-X1.
23. Count of succession of 14 katuns. P.N. 3, G10-H10.
24. Completion of haab. Nar. 25, D4.
25. Completion of count of new haab. P.N. Alt 2, G3.
26. Completion of count of haab. Pal. Inscr. (E), L5.
27. Completion of expiration of haab. Nar. 10, A8.
28. Completion of haab. Nar. 24, E15.
29. Completion of haab. Cop. N, B18a.
30. Haab. Quir. E, C11.
31. Haab. Quir. F, C11a.
32. Tun. Pal. Inscr. (E), R3.
33. Tun. Pal. Inscr. (E), T8.
34. Count of 13 tuns. Tik. 5, C4.
35. 13 haabs. Pal. 96 Gl., K3.
36. Fifth haab. Quir. J, A16.
37. Fifth haab. Quir. C, D12.
38. Fifth haab. Quir. A, B11.
39. Fifth haab. P.N. 12, A12.
40. Fifth haab. Yax. L 3, D1a.
41. 5 haabs lacking. P.N. 25, I14.
42. 5 haabs lacking. P.N. 36, D8.
43. 5 haabs lacking. P.N. L 2, X12.
44. 5 haabs lacking. Quir. D, C22b, u.h.
45. 5 haabs lacking. P.N. Thr 1, K'2.
46. Half of period. Uax. 22, B3.
47. Completion of half period. Cop. P, A7-B7a.
48. At its half period. Cop. 6, A7b.
49. Completion of half period. Calak. 9, C3.
50. Half period. Cop. J (W), G1 34.
51. Half period. Cop. J (S), C2, l.h.
52. At half period. Nar. 22, H20.
53. Half period of a katun. Tik. T 4, L 3, A2.
54. Half period. Ixlu Alt of 2, B3.
55. Half period (forward) to 13 Ahau. Quir. F, B19.
56. Forward to haab completed (?) Cop. Z, B3.
57. Haab completed (?) Cop. Q, F1.
58. Haab completed (?) Cop. Review Stand, T1a.
59. Haab completed (?) Cop. 11, B1.
60. Haab completed (?) Cop. G2, B2.

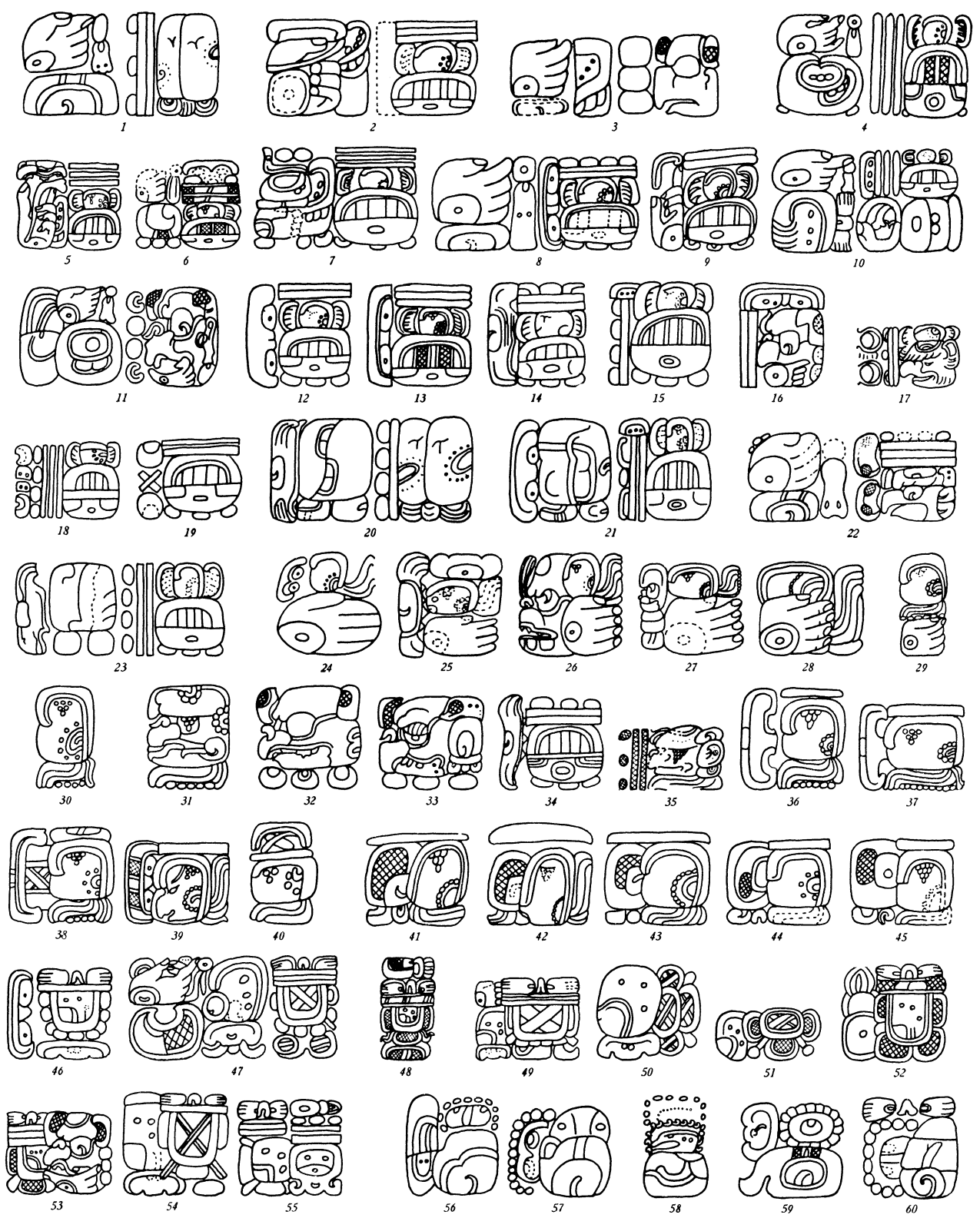


FIG. 33—GLYPHS ASSOCIATED WITH PERIOD ENDINGS AND ANNIVERSARIES

POSSIBLE GLYPHS FOR TUN:

1. Cop. U, N5.
2. Cop. G1, A2.
3. Cop. S, 11b.

HAND SPRINKLING WATER:

4. Cop. B, B7.
5. Quir. C, C13.
6. Nar. 14, E12.
7. Cop. 6, A7a.
8. Quir. A, D5.

SHELL, HAND, AND AFFIXES:

9. Quir. A, C6b.
10. Quir. E, C12.
11. Quir. A, D7.
12. Pal. Inscr. (M), D3.
13. Quir. P, C7b.
14. Quir. E, D19a.

ONE SHELL PERIOD:

15. Pal. Fol. Cross, N17.
16. Pal. Inscr. (M), F7.
17. Pal. Inscr. (W), S11.
18. Nar. 24, D8.
19. Tik. T 4, L 2, K1.
20. Pal. 96 Gl., I8.

ANNIVERSARIES:

21. First katun. P.N. L 3, F1.
22. Expiration 5 tuns. Yax. L 2, D1.
23. Completion of third katun. P.N. 8, C20.
24. Expiration 13 tuns. Cop. U, A2.
25. Completion of first katun. Pal. 96 Gl., I1.
26. Completion count of 2 katuns. Quir. D, B17.
27. Sixth haab, third katun. P.N. 12, A20.
28. Completion of fifth haab, 1 katun. P.N. 3, F4-E5.
29. 5 haabs, 3 katuns (reversed). Cop. T 11, N door, W panel.
30. 5 haabs, third katun. Cop. 8, E1-F1.
31. Haab glyph with coefficient destroyed. P.N. Thr 1, L.
32. 2 haabs, fourth tun. Cop. U, M4.

"BEN-ICH" KATUN:

33. With coefficient of 1, P.N. 3, A9.
34. With coefficient of 1, but without "Ben-Ich." P.N. 1, C3.
35. 2 "Ben-Ich" katuns. P.N. 37, D12.
36. 3 "Ben-Ich" katuns with lunar prefatory glyph. Yax. L 31, J1.
37. 3 "Ben-Ich" katuns with lunar prefatory glyph. Yax. L 31, K2.
38. 3 "Ben-Ich" katuns followed by lunar glyph. Yax. L 21, C8-D8.
39. 4 "Ben-Ich" katuns. P.N. shell plaque, F3.
40. 5 "Ben-Ich" katuns. Pal. 96 Gl., D1.
41. 5 katuns, without "Ben-Ich." Pal. 96 Gl., L6.
42. 5 katuns and shell-hand glyph. Quir. C, C14-D14.
43. 6 katuns. Yax. L 27, D1a.
44. Glyph of Kinich Ahau. Dresden 11c.
45. 1 "Ben-Ich" Ahau. Chichen 19, B1.
46. Glyph with "Ben-Ich" prefix. Yax. L 37, B7.
47. Glyph with "Ben-Ich" prefix, showing Lamat derivation. Yax. L 35, B1.

13 KINCHILTUNS:

48. 13 kinchiltuns, at 1 Ahau 13 Yaxkin. Quir. F, D16-C17a.
49. 13 kinchiltuns, 7 Ahau 3 Pop. Quir. D, C20.

BAKTUN GLYPH WITH AFFIXES:

50. Nar. 29, I12.
51. Cop. N, pedestal, 22.
52. Tik. T 4, L 2, G2.

LONG-NOSED GOD WITH UINAL HEADDRESS AND COEFFICIENT OF ONE:

53. Quir. F, D15a.
54. Pal. Inscr. (W), G12.
55. Cop. N, pedestal, 20.
56. Yax. L 13, E2.

TRIPLE CAUAC GLYPH:

57. Pal. Cross, C7.
58. Quir. C, A14.
59. Seib. 10, C2.
60. Seib. HS, Panel B, L2.

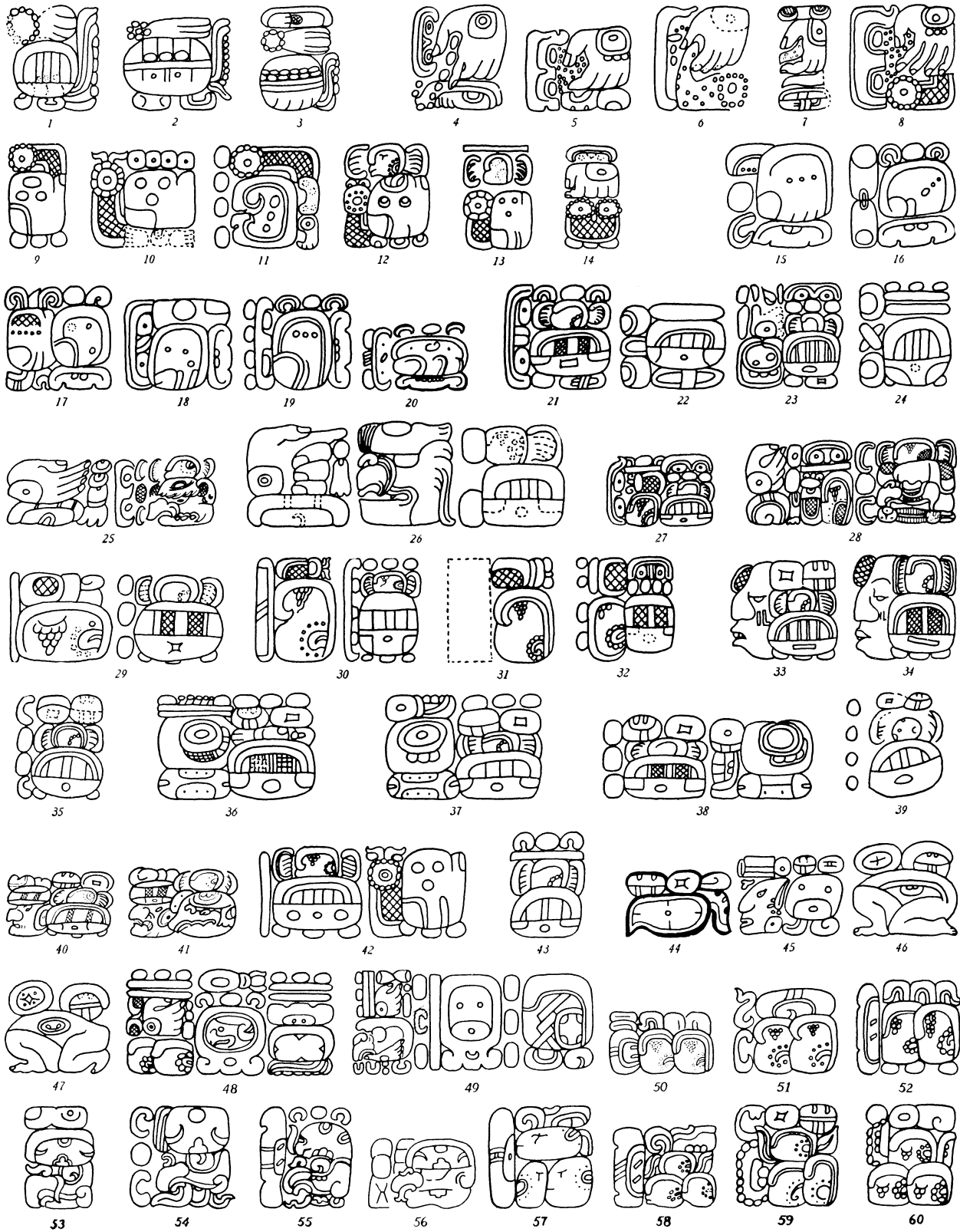


FIG. 34—GLYPHS G AND F OF THE LUNAR SERIES

GLYPH G1:

1. P.N. 25, A9.
2. P.N. 36, A5.
3. Cop. 1, B5a.
4. Cop. 1, A6a.
5. Cop. 1, C7b.
6. Cop. HS, fragment.
7. P.N. L 3, B13-14.

GLYPH G2:

8. Chinkul. marker.
9. Ton. 30.
10. Yax. L 26, T'1a.
11. Ton. 7.
12. P. Uinik 3, A16.
13. Chichen 1, B6.

GLYPH G3:

14. Yax. L 10, B1a. With F.
15. Pal. Palace, House C. With F.
16. Pal. Sun, A9. With F.
17. Pal. tablet. With F.
18. Tzendales 1, A3. With F.
19. Yax. L 46, B'3. With F.
20. Xcal. IS, A9.
21. Cop. HS, Date 24. With F.

GLYPH G4:

22. Nar. 24, C4.
23. Nar. 29, G4.
24. Ixkun 2, A6.

GLYPH G5:

25. Leiden A8a, u.h.
26. Balak. 5, D1.
27. Yax. L 48, B4a, u.h.
28. P.N. L 2, D1.
29. Calak. 89, B4, u.h. With F.
30. Los Higos 1, A6.

GLYPH G6:

31. Cop. H', Ea, l.h.

GLYPH G7:

32. Pal. Palace, House E, fresco.
33. Ton. (?) round altar.
34. P.N. 3, B4.
35. Cop. A, A5.
36. Cop. HS, Date 10. With F.
37. Quir. D (W), A15.
38. Quir. E (W), A6. With F.

GLYPH G8:

39. P.N. L 12, A5.
40. Cop. 10, B4. With F.
41. Cop. 12, A6.
42. Pal. Cross, A10a. With F.
43. Pal. Fol. Cross B9. With F.
44. P.N. 14, B7.
45. Yax. L 21, B4. With F.

GLYPH G9:

46. Pusil. D, G7.
47. Pal. 1, A6a.
48. Cop. 1, C2a.
49. Nar. 30, B4. With F.
50. Yax. 11, O1. With F.
51. Yax. L 3, B1. With F.
52. Ton. 7, C1.
53. Quir. F (E), C6a.
54. Quir. E (E), D5a.
55. Nar. 13, F4.
56. Quir. K, A5b.
57. Comitán 1, B4.

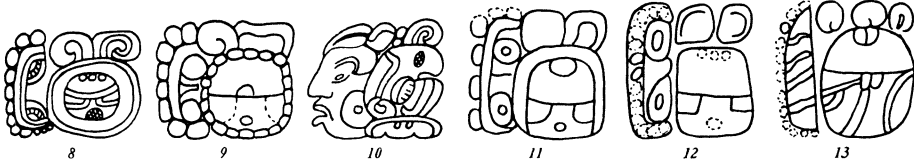
GLYPH F:

58. Pal. Palace, House E, fresco.
59. Yax. L 48, B4b, u.h.
60. P.N. 25, A10.
61. Pal. 1, A6b.
62. Yax. L 56, D2b. Knot personified.
63. Cop. 1, B5b. *Te* (2) personified.
64. Yax. 11, O1b.
65. Cop. N, A9. Knot personified.
66. Nar. 13, E5.
67. Quir. F (E), C6b.
68. Quir. K, A6. *Te* (2) personified.

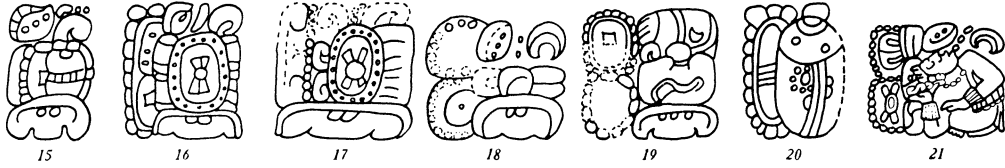
G1



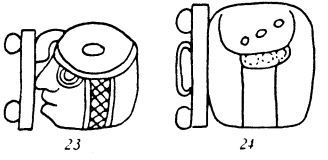
G2



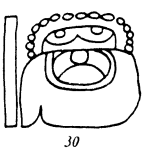
G3



G4



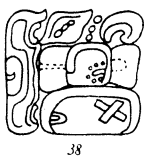
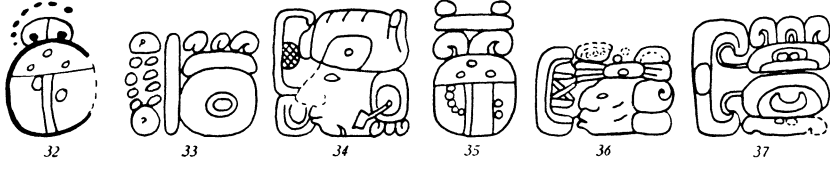
G5



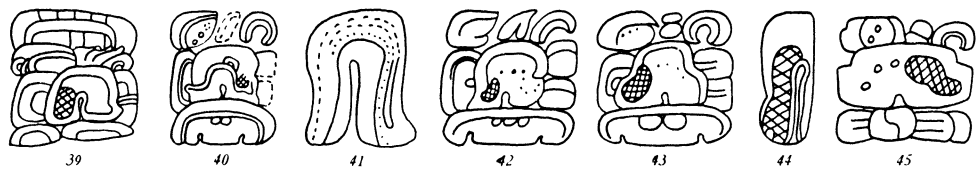
G6



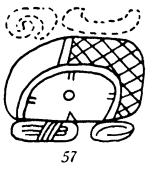
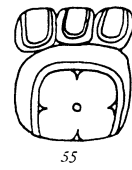
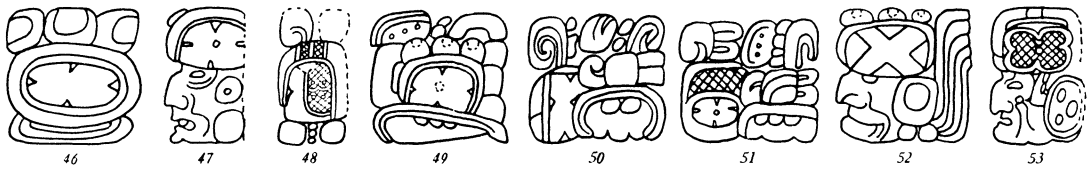
G7



G8



G9



F



FIG. 35—819-DAY COUNT AND MONTH POSITION SHIFT

CLAUSES DEALING WITH 819-DAY COUNT:

1. Pal. 1, A11-B11.
2. Yax. L 30, E3-F5.
3. Yax. 11, D'6-C'9.
4. Yax. 1, E3-F6.
5. Quir. K, A7b-C2a.
6. Yax. L 29, C4-D5. Supplementary.
7. Yax. 1, C8-D9. Supplementary.

SHIFT IN COEFFICIENT OF MONTH:

8. 7 Muluc 1 Kankin. Xcal. 1S, A8a, A14a.
9. 10 Ahau 7 Yaxkin. Etzna 18, A7, D2.
10. 8 Ahau 7 Uo. Etzna 19, A4-B4.
11. 9 Ahau 17 Mol. Etzna 9, A1-B1.
12. Kin, 6 Ix 16 Kankin. Yax. 20, E1-E2.
13. Kin, 3 Eb 14 Mol. Yax. 18, A1-A3.
14. 2 Chuen, kin, third of Muan. Kabah, Str 1, A1-C1.
15. 5 Ahau, kin, 2 Kayab. Oxkin. 3.

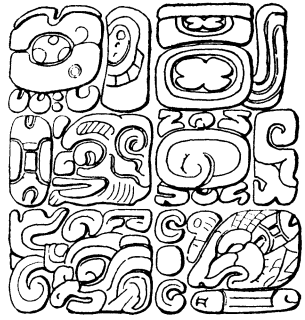
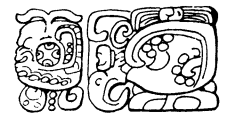
DIRECTIONAL COUNTING GLYPHS:

16. "Hel" glyph, 6 kins, 14 uinals, 11 tuns counted from the anterior position 11 Ahau is counted forward to 6 Cimi 4 *te* Zec. Cop. HS, Dates 22 and 23.





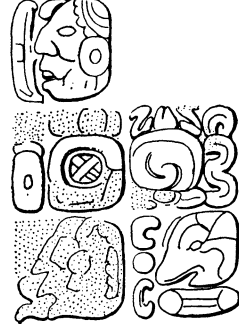
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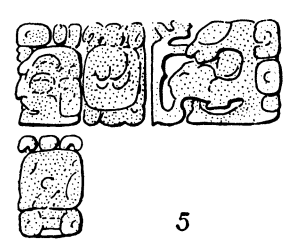
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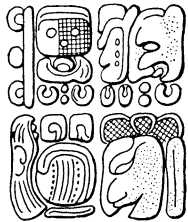
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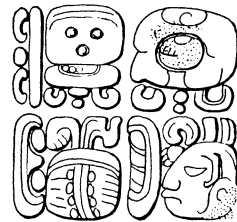
4



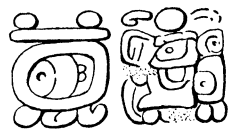
5



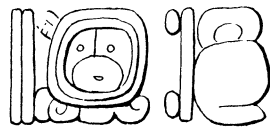
6



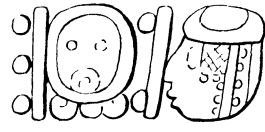
7



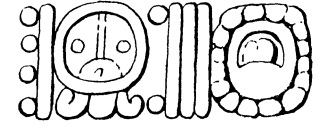
8



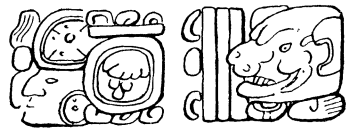
9



10



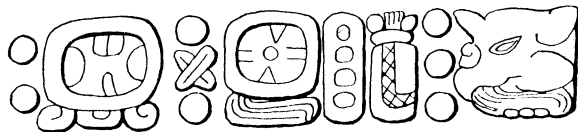
11



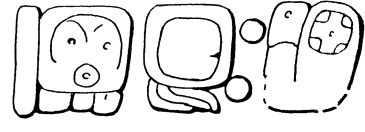
12



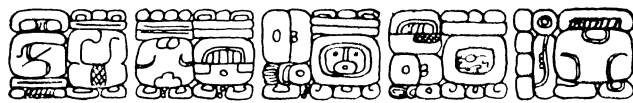
13



14



15



16

FIG. 36—LUNAR SERIES: GLYPH C COEFFICIENTS ABSENT OR 2 TO 4

- 1- 5. Cop. N. 1D, 0C, X, B, 10A.
- 6-10. P.N. L 3. 9D, 0C, X, B, 10A.
- 11-14. Cop. J. 18D, 0C, X, B, 10A.
- 15-18. Yax. L 48. 12D, 2C, X, 9A.
- 19-24. Pal. Cross. 5 "bix"(?) D, 2C, X, B, 9A.
- 25-28. P.N. 3. 7E, D, 2C, X, 9A.
- 29-33. Quir. E (East). "Moon completed" (?), 2C, X, B, 9A.
- 34-38. Quir. A. 6E, D, 2C, X, 10A.
- 39-43. Ixkun 2. 5D, 3C, X, B, 10A.
- 44-48. P.N. 1. 8E (written 8D), 3C, X, B, 10A.
- 49-53. Yax. L 46. 14D, 3C, X, B, 10A.
- 54-56. Yax. L 21. 7 "bix"(?) D, 3C, X, 9A.
- 57-60. P.N. 36. 4D, 4C, X, 9A.
- 61-65. Quir. P. 3E(?), D, 4C, X, B, 9A.
- 66-71. Nar. 13. 7E, D, 4C, X, B, 9A.
- 72. Nar. 14, 9A.

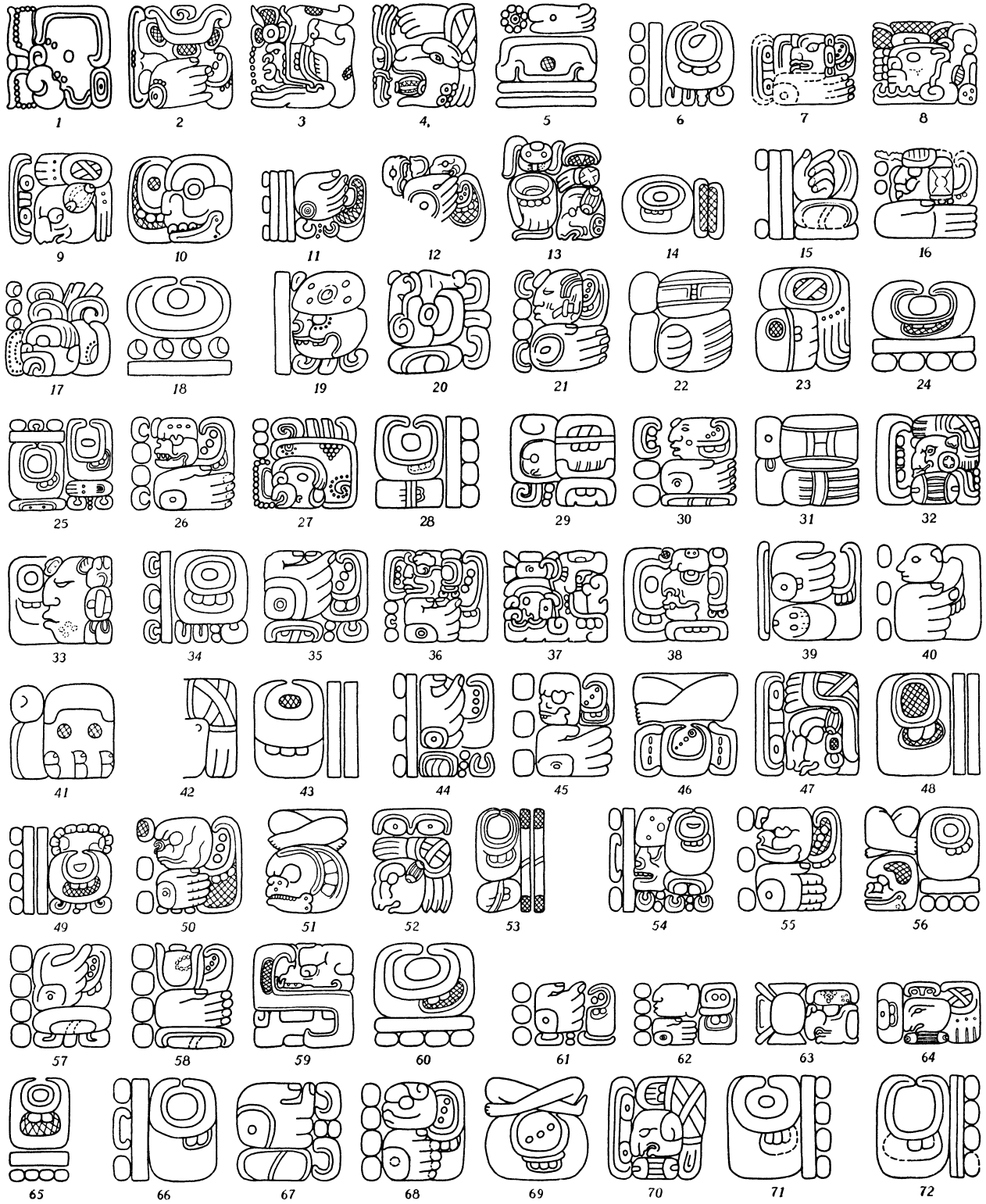


FIG. 37—LUNAR SERIES: GLYPH C COEFFICIENTS 5 AND 6

- 1- 5. Yax. 11. 12D, 5C, X, B, 10A.
- 6-10. P.N. L 2. 19 days, D, 5C, X, 9A.
- 11-15. Pal. 1. 19 days, D, 5C, X, B, 10A.
- 16-22. Quir. G. 3E, D, 5C, X, B variant, B variant, 10A.
- 23-25. Yax. L 56. 11D, 5C, X, B, 10A.
- 26-31. Quir. Alt O. End D, 5C, X, B, 10A.
- 32-35. Cop. 9. 5E, 5C, X, 10A.
- 36-40. Pal. Fol. Cross. 10D, 5C, X, B, 10A. Coefficient of C omitted in drawing.
- 41-45. Cop. M. 2D?, 5C, X, B, 10A.
- 46-47. Pusil. O. 5E, D, 6C, X, 9A.
- 48-52. Cop. A. 15D, 6C, X, B, 9A.
- 53-57. Nar. 29. 19D, 6C, X, 9A, B.
- 58-62. Quir. J. 4D, 6C, X, B, 9A.
- 63-66. Quir. F (E), 0D, 6C, X, 10A.
- 67-71. P.N. 12. 3E, D, 6C, X, B, 10A.

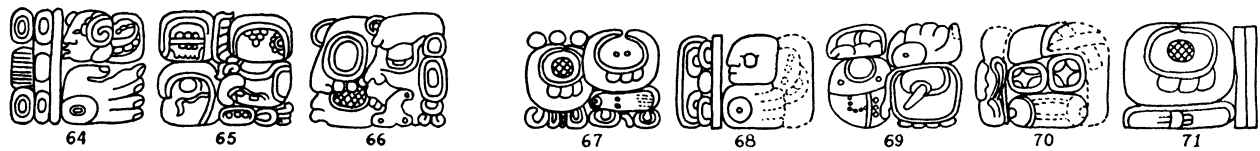
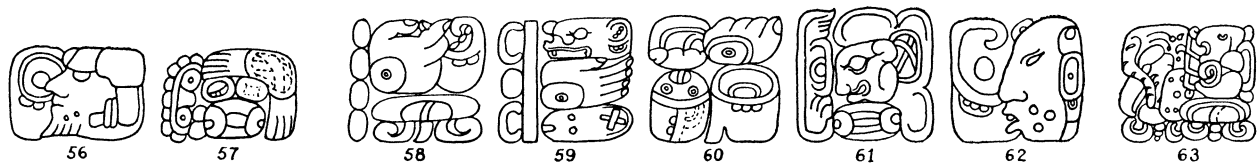
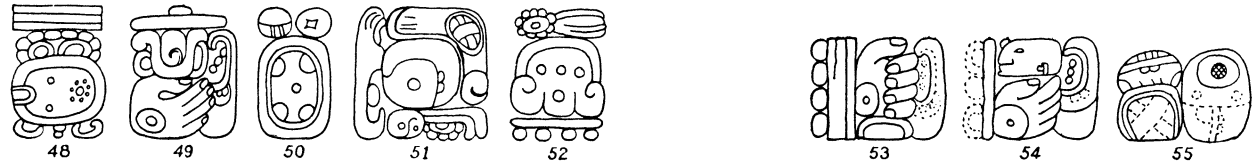
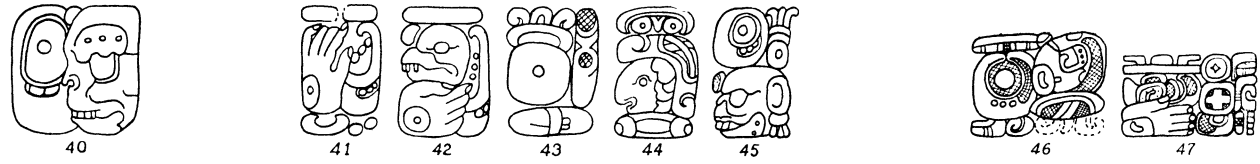
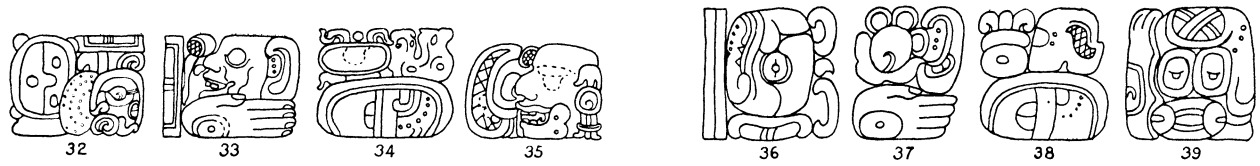
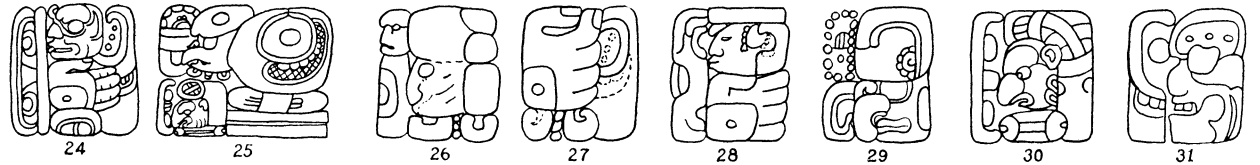
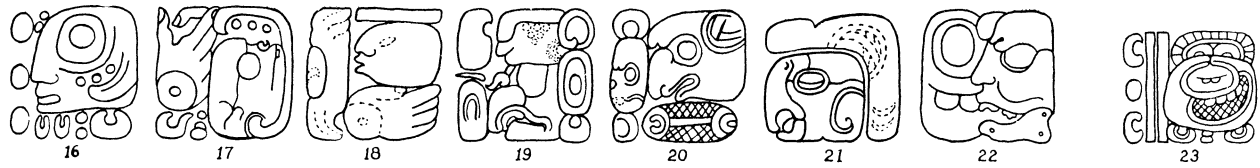
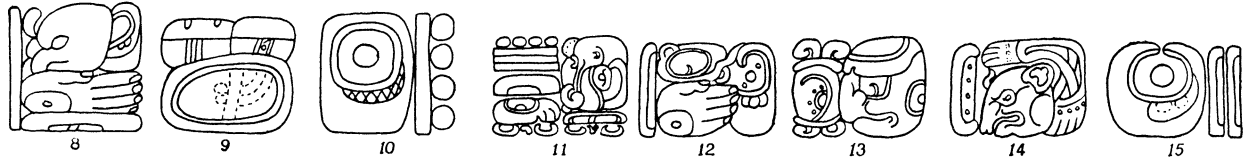
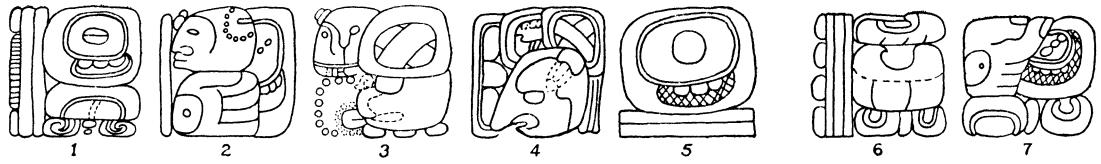


FIG. 38—DATES AT CHICHEN ITZA AND NEIGHBORING SITES

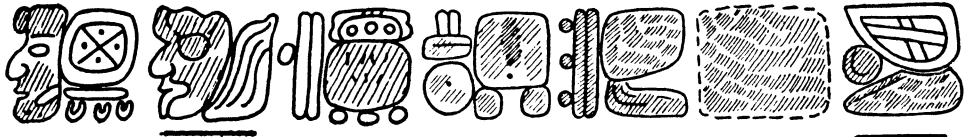
1. 9 Lamat, the day, 11 Yax, in the journey of (?) Tun 13 within (?) (Katun) 1 Ahau. 10.2.12.1.8. Chichen 2, A1-B3.
2. 9 Lamat, the day, 11 Yax, in the journey of (?) Tun 13 (within Katun 1 Ahau), the day. 10.2.12.1.8. Chichen 4, H3-H6.
3. 9 Lamat, the day, on eleventh of Yax, in the journey of (?) Tun 13 within (?) (Katun) 1 Ahau. 10.2.12.1.8. Chichen 5, A1-A4.
4. 12 Kan, the day, on seventh of Zac, in the journey of (?) Tun 13 within (?) (Katun) 1 Ahau, the day. 10.2.12.2.4. Chichen 3, A1-B2, C4-D5.
5. 8 Kan 2 Pop, in the journey of the fifth tun (the katun) at 1 Ahau. 10.2.4.8.4. Yula 1, A1-A4.
6. 3 Eb, the day, tenth of Pop, in the journey of (?) Tun 5, (the katun) at 1 Ahau. 10.2.4.8.12. Yula 2, G1-H4.
7. 11 Ben, the day, on eleventh (?) of Cumku, in the journey of (?) Tun 18, within (the katun) 3 Ahau. 10.1.17.5.13. Chichen 27, A1-D1.
8. 3 Imix 9 Yax, Tun 1, within (Katun) 12 Ahau. Perhaps an error for 10.3.0.2.1 3 Imix 4 Ch'en. Chichen 23, B1 18.

"Ben-Ich" here translated "within" might be rendered "its countenance."

(After H. Beyer. Original, shows characteristic T element on cheek of head for three, first glyph of eight.)



1



2



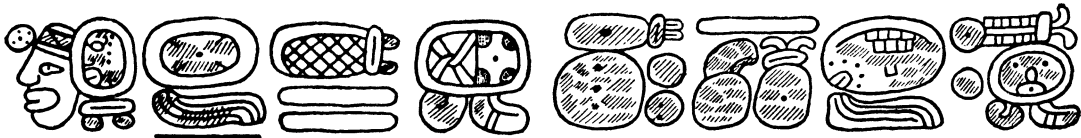
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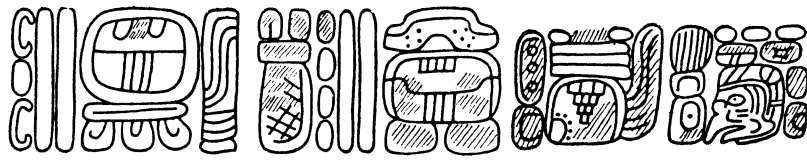
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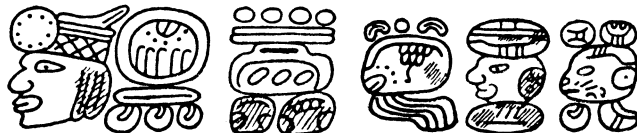
5



6



7



8

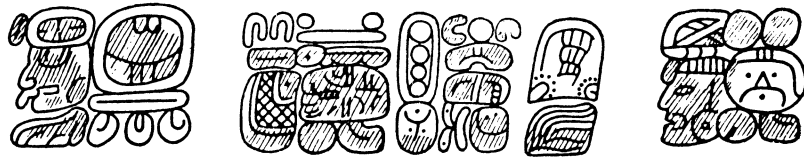
FIG. 39—DATES AT CHICHEN ITZA AND NEIGHBORING SITES (*CONTINUED*)

1. Possibly 9 Muluc on seventh of Pop, in the journey of (?) Tun 1, within (Katun) 1 Ahau, the day. 10.2.0.7.9. However, month sign and winged cauc are transposed. Furthermore, the day sign and its head coefficient are unreliable. Halakal L 1.
2. 9 Muluc on seventh of Zac. Tun 10. (The Katun) day (?) 1 Ahau. 10.2.9.1.9. Chichen 1.
3. 8 Manik, the day, on fifteenth of Uo, in the journey of (?) Tun 11, within (Katun) 1 Ahau, the day. 10.2.10.11.7. Chichen 12.
4. 8 Manik, the day, on fifteenth of Uo. Forward to completion of 11 tuns, within (the katun) on Ahau. 10.2.10.11.7. Chichen 14.
5. 8 Manik, the day, on fifteenth of Uo, in the journey of (?) Tun 11, within (the katun) on 1 Ahau. 10.2.10.11.7. Chichen 15.
6. 8 Manik, the day, on fifteenth of Uo, in the journey of (?) Tun 11, within (katun) 1 Ahau, the day. 10.2.10.11.7. Chichen 16.
7. 6 Muluc (??), the day, on twelfth (?) of Mac, in the first tun, within (Katun) 1 Ahau, the day. 10.2.0.1.9 (??). Chichen 20, Gl 2-4, 10-12.
8. 7 Akbal, the day, on first of Ch'en, in the first tun, within (the katun) on 1 Ahau. 10.2.0.15.3. Chichen 20, Gl 27-29, 33-35.

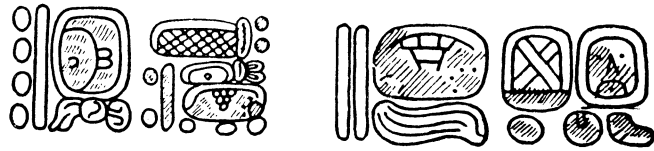
"Ben-Ich" here translated "within" might be rendered "its countenance."

(After H. Beyer.)





1



2



3



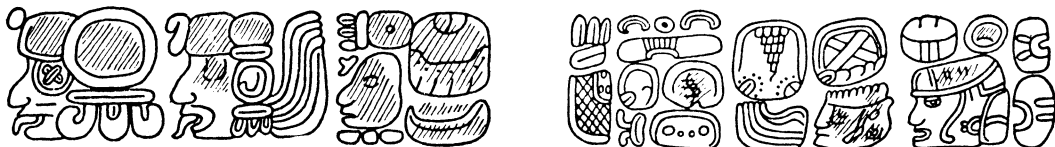
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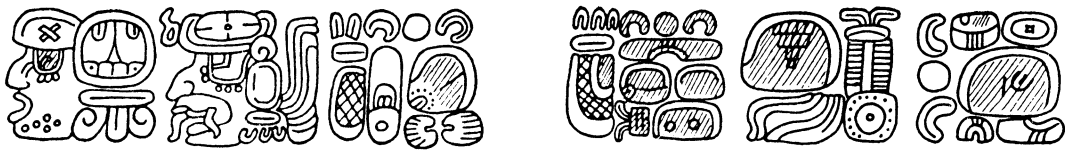
5



6



7



8

FIG. 40—IMIX WITH VARYING AFFIXES AND IN COMPOUND GLYPHS

1. Pal. Inscr. (E), N8.
2. Cop. 1, D3.
3. P.N. Alt 2, E3.
4. Pal. HS, B2 (tun).
5. Yax. L 37, B3.
6. Cop. J south, C4, u.h.
7. Nar. 23, H15.
8. Nar. 32, Y3.
9. Pal. Tower, E4.
10. Cop. A, C7a.
11. Yax. L 46, F'5.
12. Yax. L 41, C3.
13. Quir. A, D11.
14. Cop. A, C10b.
15. Pal. Tower, D3.
16. Cop. P, A9b.
17. P.N. Thr 1, F'5.
18. Cop. C'', D1.
19. Chichen 3.
20. Cop. U, S3.
21. Carved Shell, Tuxtla Museum.
22. Cop. U, R3.
23. Pal. Cross, D6.
24. Pal. Cross, E2.
25. Pal. Fol. Cross, M14.
26. Pal. Sun, O14.
27. P.N. 15, C15.
28. P.N. L 3, P1.
29. Pal. 96 Gl., G6.
30. Cop. HS (Gordon, pl. 13*m*).
31. Yax. L 18, A5.
32. Cop. M, B7b.
33. P.N. Thr 1, A1.
34. Cop. J (S), D4.
35. Cop. A, D11a.
36. Cop. A, B6b.
37. Pal. Tablet of Creation, A1.
38. Cop. S, G1b.
39. Quir. P, Cartouche 4, B2.
40. P.N. 1, F2.
41. P.N. shell, E3.
42. Chichen 10.
43. Yax. 18, D2.
44. P.N. L 3, Incised Gl.
45. Quir. C, B6.
46. Cop. T 22, E1.
47. Cop. P, D11a.
48. Cop. U, S2.
49. Yax. L 18, B5.
50. P.N. L 2, U1-V1.
51. Quir. C, A13.
52. Quir. C, D7.
53. Pal. HS, D3a.
54. Cop. J (S), D7b.
55. Cop. T 11, step, G1 20.
56. Cop. 10, D13a.
57. Cop. HS fragment (Gordon, pl. 13*i*).
58. Pal. Inscr. (W), N8.
59. Cop. E, C10b.
60. Cop. C, A4a.
61. Pal. Inscr. (M), H9.
62. Yax. 11, S3.
63. Pal. Inscr. (W), N10.
64. Yax. L 24, A4a.
65. Quir. J, C8.
66. Yax. L 25, R2-S2.
67. Pal. Cross, J1.
68. Nar. 24, E18.
69. Quir. F, A10.
70. P.N. Thr 1, Z3.



FIG. 41—DIRECTIONAL AND COLOR GLYPHS

EAST:

1. Dresden 43c.
2. Dresden 30c.
3. Madrid 25d.
4. Madrid 50a.
- 5, 6. To east count of the year. Nakum D, E1-F1.
- 7, 8. To east count of the year. Cop. P, D14.
9. Pal. Inscr. (M), H7.

NORTH:

10. Dresden 44c.
11. Dresden 31c.
12. Madrid 25d.
13. Madrid 50a.

WEST:

14. Dresden 45c.
15. Dresden 31c.
16. Madrid 25d.
17. Madrid 50a.
18. Pal. Inscr. (M), H8.
- 19, 20. To west count of the year. Nar. 24, E9-D10.
- 21, 22. To west count of the year. Cop. E, D3-D4.

SOUTH:

23. Dresden 42c.
24. Dresden 31c.
25. Madrid 25d.
26. Madrid 50a.
27. Dresden 26c.
- 28, 29. To south count of the year. Cop. T, C8-C9.
30. Quir. M, D4.
31. Cop. J, G1 15.

SUNDRY DIRECTIONAL GLYPHS:

32. East. Cop. A, D8a.
33. West. Cop. A, D8b.
34. South. Cop. A, D9a.
35. North? Cop. A, D9b.
36. South. Cop. 6, C5a.

RED OR GREAT:

37. Dresden 30c.
38. Madrid 43b.
39. Madrid 20d.
40. Red god. Dresden 30c.
41. Red old goddess. Dresden 2b.
42. Pal. Inscr. (M), M7.
43. Red god of rain. Dresden 42a.
44. Red god of rain. Dresden 25c.
45. Yax. L 37, D1. Affix probably bone semblant, not *chac*.

WHITE OR ARTIFICIAL:

46. Dresden 31c.
47. Madrid 43b.
48. Madrid 20d.
49. White god. Dresden 29c.
50. White moon goddess. Dresden 20c.
51. White god. Pal. Inscr. (M), N1.
52. White god of rain. Dresden 38b.
53. White earth. Dresden 67b.
54. Great fainting (*chac zac cimil*). Dresden 18c.

BLACK:

55. Dresden 31c.
56. Madrid 43c.
57. Madrid 20d.
58. Black god. Dresden 29c.
59. Black sky. Dresden 74.
60. Dresden 73a.
61. Black god of rain. Dresden 43a.
62. Black earth. Dresden 74.
63. Black maize god. Madrid 26d.

YELLOW OR WATERY, PERHAPS BLUE:

64. Dresden 31c.
65. Madrid 43c.
66. Madrid 21d.
67. Yellow god. Dresden 29c.
68. Yellow or watery haab. Madrid 22c.
69. Yellow maize seed. Madrid 27d.
70. Yellow rain god. Dresden 43a.
71. Yellow or water dog. Pal. Cross, S15.
72. Cop. T, S side.

GREEN OR NEW OR STRONG:

73. Madrid 43b.
74. Madrid 34a.
75. Dresden 71b.
76. Dresden 71b.
77. Dresden 56b.
78. Green or new Imix. Dresden 42b.
79. Green rain god. Dresden 26c.
80. Madrid 94d.
81. Pal. Inscr. (M), N2.
82. Its strong sun. Dresden 60b.
83. Quir. E, C10.
84. Pal. Fol. Cross, D12.
85. Quir. C, L1.
86. Triple haab. Pal. Cross, C7.
87. Green God C. Pal. Palace.
88. Quir. J, D8.
89. New moon? Cop. J, G1 13.
90. Chicchan god with green on forehead. Pal. Inscr. (M), M10.

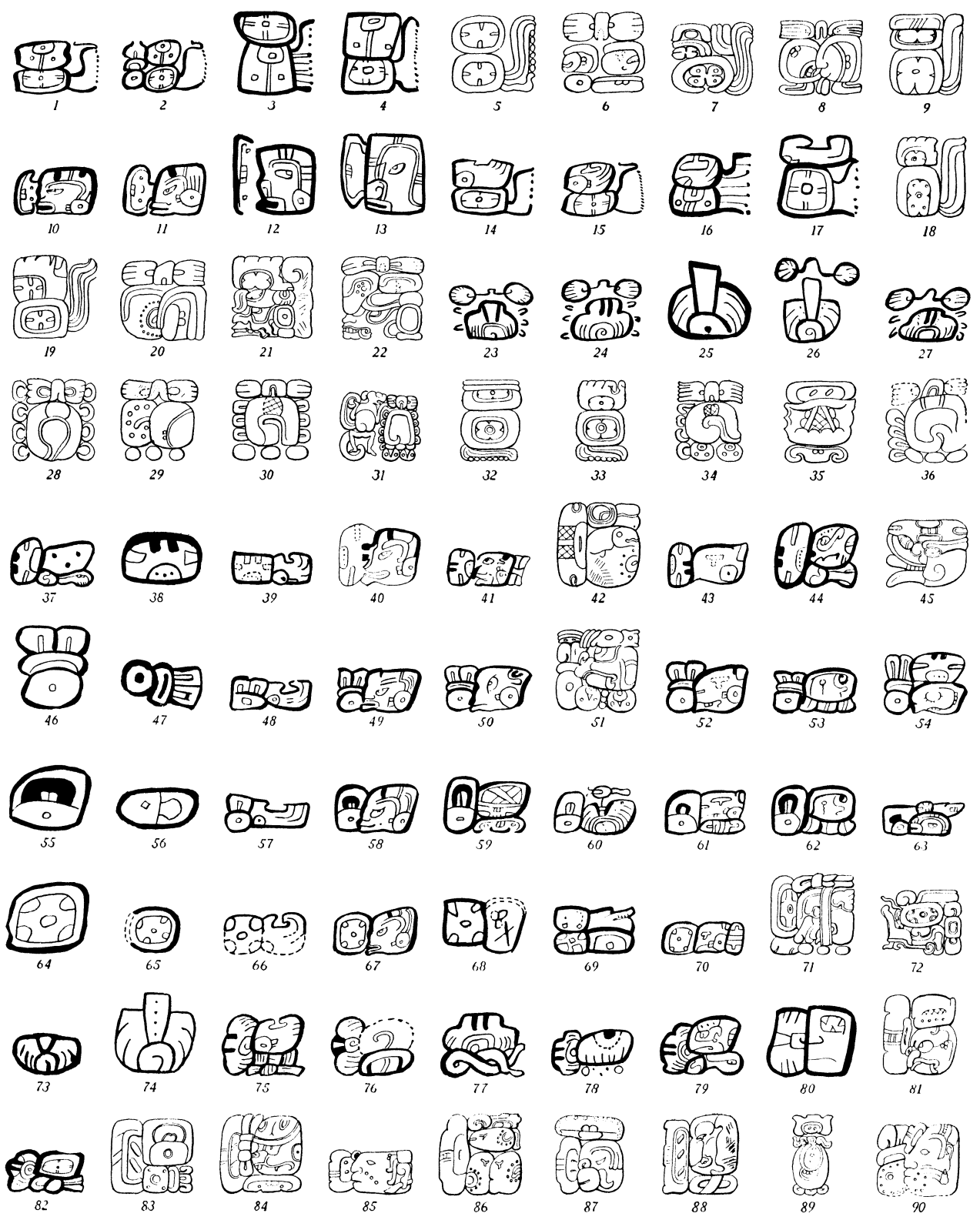


FIG. 42—GLYPHS OF DEITIES, PERIODS, AND ACTION IN CODICES

GODS OF WORLD DIRECTIONS WITH VENUS TABLE, DRESDEN 46-50:	
1-5. Associated with north.	59. Dresden 12c.
6-10. Associated with west.	60. Dresden 15b.
11-15. Associated with south.	61. Dresden 13b.
16-20. Associated with east.	62. Dresden 10b.
21-23. Variant forms of nos. 12, 17, and 2.	63. Dresden 5c.
	64. Dresden 10a.
	65. Dresden 29c.
	66. Dresden 68c.
	67. Dresden 33c.
	68. Madrid 39a.
	69. Madrid 66b.
GLYPHS OF GODS ASSOCIATED WITH VENUS:	
24-31. With introductory glyphs to table. Dresden 24.	
32. Dresden 57b.	
33. Red or great Venus. Dresden 50.	
GLYPHS OF GODS:	
34-41. Associated with divinatory almanac. No. 36 is the <i>ahaulil</i> glyph. Dresden 23b.	
42. God D. Dresden 5c.	
PERIOD GLYPHS:	
43. Pictun. Dresden 69.	
44. Baktun. Dresden 70.	
45-47. Katuns. Dresden 69, 70, 70.	
48. Tun? Dresden 69.	
49. Uinal. Dresden 69.	
50-53. Kins. All Dresden 69.	
GLYPHS WITH HANDS, MAINLY GLYPHS OF ACTION:	
54. Dresden 66b.	
55. Dresden 50b.	
56. Dresden 50b.	
57. Dresden 31c.	
58. Dresden 14b.	
	GLYPHS MAINLY OF ACTION GROUP:
	70. Dresden 50c.
	71. Dresden 48c.
	72. Dresden 23b.
	73. Dresden 10b.
	74. Dresden 23a.
	75. Dresden 20c.
	76. Dresden 5b.
	77. Dresden 8b.
	78. Dresden 16b.
	79. Madrid 98b.
	80. Dresden 35a.
	81. Dresden 21b.
	82. Dresden 11b.
	83. Dresden 11c.
	84. Dresden 8a.
	85. Dresden 6b.
	86. Dresden 18b.
	87. Dresden 45b.

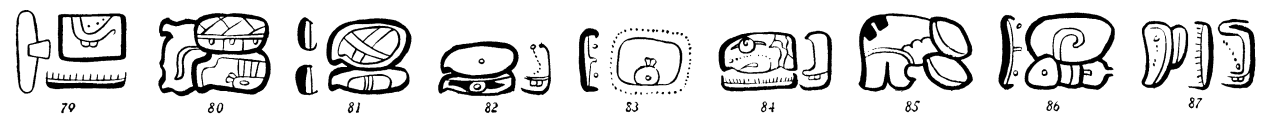
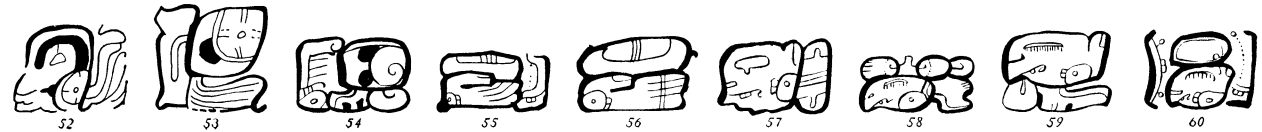


FIG. 43—AFFIXES OF WATER GROUP AND GLYPHS FROM CODICES

AFFIXES WITH GOD C:

1. Completion and water. Gl X. Cop. N, A12.
2. Completion. Gl X. Quir. A, B8.
3. Kan cross and water. Yax. L 25, Q2.
4. Yax and jade. Pal. Palace, House C, Eaves.
5. Mol. Cop. 7, B12a.
6. Water. El Cayo L 1, A8.
7. Snake element? Cop. P, C7.
8. Shell and water. Quir. D (E), C18b.

AFFIXES WITH "BEN-ICH" BAT:

9. Kan cross and water. Cop. 11, A7.
10. Kan cross and water. Cop. A, D4b.
11. Yax. Cop. U, Q1.
12. Bone (?) and water. Cop. HS (Gordon, pl. 12c).
13. Mol (?) and other element. Cop. I, D6.
14. Water. Cop. 9, D6b.
15. Bone (?) and water. Cop. 8, E7.
16. Shell and water. Cop. 1, D4.

AFFIXES WITH "BEN-ICH" SKY (RAINY SKY?):

17. Kan cross and water. Yax. L 26, C'2.
18. Kan cross and water. Yax. L 25, W2.
19. Yax and water. Yax. L 16, F5.
20. Yax and water. Yax. 12, C6.
21. Water. Yax. L 10, A7b.
22. Shell and water. Yax. L 24, C'3.
23. God C and water. Yax. Str 44, X4, 1.h.

AFFIXES WITH LONG-SNOUDED ANIMAL WITH "BEN-ICH":

24. Yax and water (?). Pal. Cross, O13.
25. Mol and bone (?). Pal. Cross, E15.
26. Shell (?) and water. Pal. Inscr. (M), G4.

AFFIXES WITH "BEN-ICH AND BONE" GLYPH:

27. Kan cross and water. Pal. Palace, House A, Balustrade.
28. Kan cross and water (?). Pal. Palace, House C, Eaves.
29. Yax. Pal. Fol. Cross, O17.
30. Mol and bone (?). Pal. Inscr. (M), E9.
31. Mol and shell. Pal. Inscr. (E), Q9.
32. Water and bone (?). Pal. Sun. K3.

GLYPHS, PRINCIPALLY AUGURAL, IN CODICES:

33. Very good fortune. Three dog. Dresden 13b.
34. Very good fortune. Three dog. Dresden 65b.
35. Medium good fortune. Three dog qualified by *kaz* glyph. Dresden 69a.
36. *Ahaulil*. Dresden 20b.
37. *Kuch*, "burden," glyph. Dresden 18c.
38. Earth-seed compound. Dresden 71.
39. Seed-earth compound. Dresden 66a.
40. Seed with affix. Dresden 55a.
- 41,42. Maize seed. Dresden 40b, 44b.
43. Sprouting seed. Perez 22.
44. Eight as maize symbol. Dresden 67a.
45. Eight as maize symbol with Imix. Substitute for Imix-Kan. Dresden 39c.
- 46,47. Kan-Imix compound. Dresden 43b, 7c.
- 48,49. To be read together. *Kan-Imix u kuch*, "abundant food its charge." New-year prophecy. Dresden 27a.
50. Kin-Akbal, "darkness," compound. Dresden 71.
51. Sun darkened. Dresden 66a.
52. Moon darkened. Dresden 66a.
53. Fire drill. Madrid 38c.
54. Drill jade (?). Dresden 8b.
55. Drill with head of dog (fire symbol). Dresden 5b.
56. Pseudo-Men glyph. Dresden 7c.
- 57-59. *Kintunyaabil*, "drought," glyphs. Dresden 42c, 45c, 72c.
- 60,61. To be read together. *Kintunyaabil u kuch*, "drought its charge." New-year prophecy. Dresden 26a.
- 62,63. To be read together. *Yaxhaabil kintunyaabil*, "for the new-year drought." New-year prophecy. Dresden 27c.
64. *Kintun*, "burning suns," New-year prophecy. Madrid 34.
65. Cauac with "brilliance" and *te* (1) prefixes, probably indicating lightning storm. Above picture of dog with torch. Dresden 36a.
66. Glyph of sun god followed by cauac with brilliance and *te* (1) affixes. Dresden 11b.
67. Glyph of God B followed by cauac with brilliance and *te* (1) affixes. Dresden 31b.
68. Head of sun god with brilliance prefix. Dresden 53b.
69. Very brilliant sun with *te* (3) affix substituted for *te* (1). Dresden 72c.
70. Sky symbol with brilliance prefix. Madrid 15b.



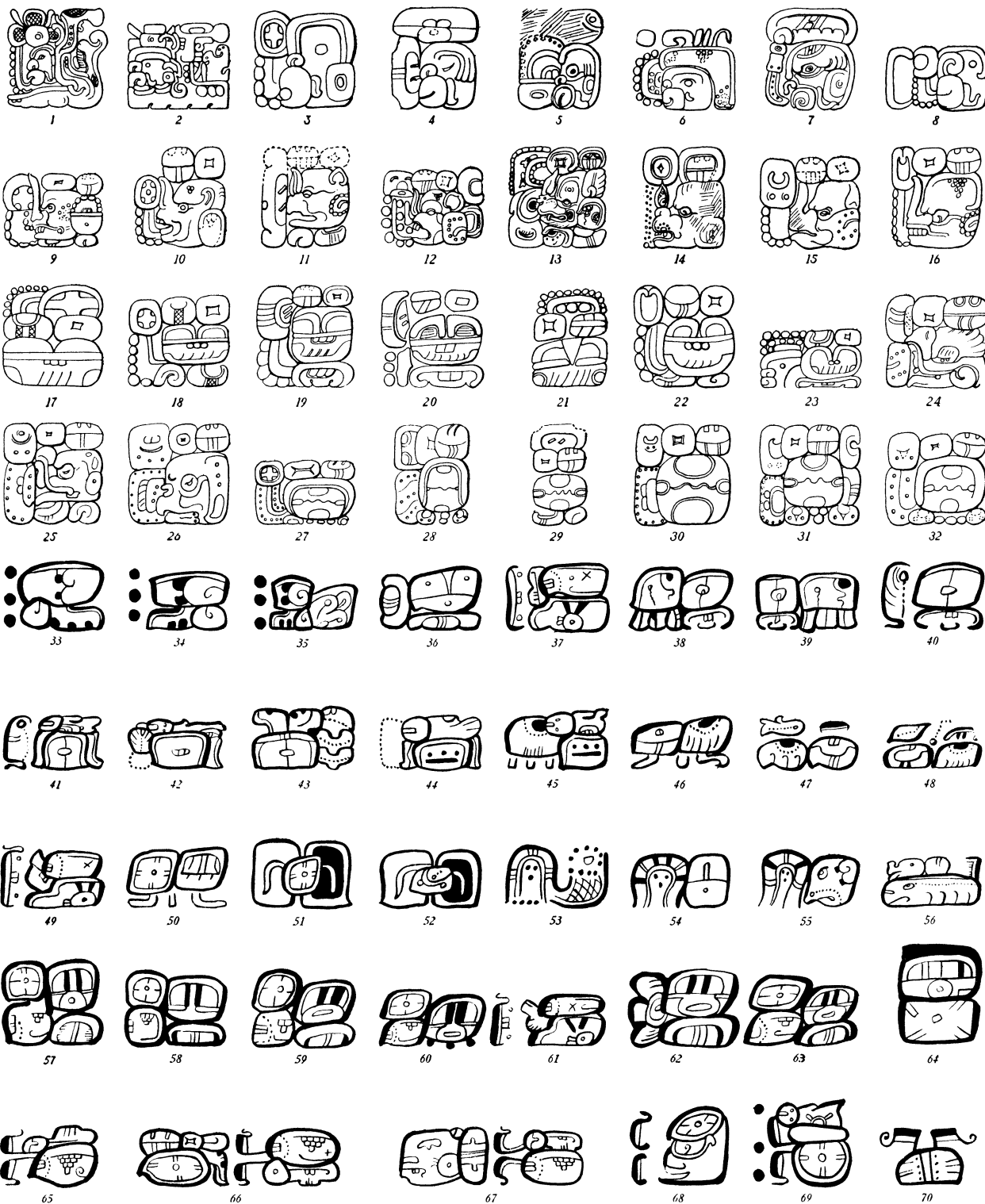


FIG. 44—KAN CROSS, YAX, AND COMPLETION SIGNS  
ASSOCIATED WITH SNAKES AND WATER (?)

1. Stream of water (?) with completion sign on it which falls from long-nosed god with death markings in hand of figure. Pal. Cross, west side of entrance to sanctuary.
2. Stream of water (?) with kan cross and completion sign. Quir. H.
3. Stream of water (?) with kan cross and Yax symbol alternating. Yax. 7.
4. Stream of water (?) with kan cross falling from vessel (?) decorated with glyphic element held by long-nosed monster. Quir. P.
5. Part of snake with body formed of yax signs alternating with jade beads and with what may be shell element at back of head. Pal. Cross.
6. Head of two-headed snake with yax and bone elements. Tik. T 4, L 3.
7. Yax ornament with shell outline and jade bead with bone appendages attached to body of snake belonging with no. 6. Tik. T 4, L 3.
8. Fretlike upper jaw of serpent with kan cross attached. Pal. Palace, House D, Pier C.

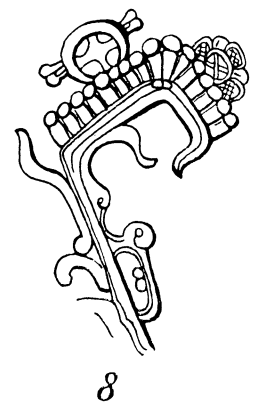
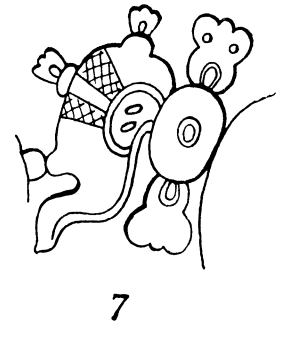
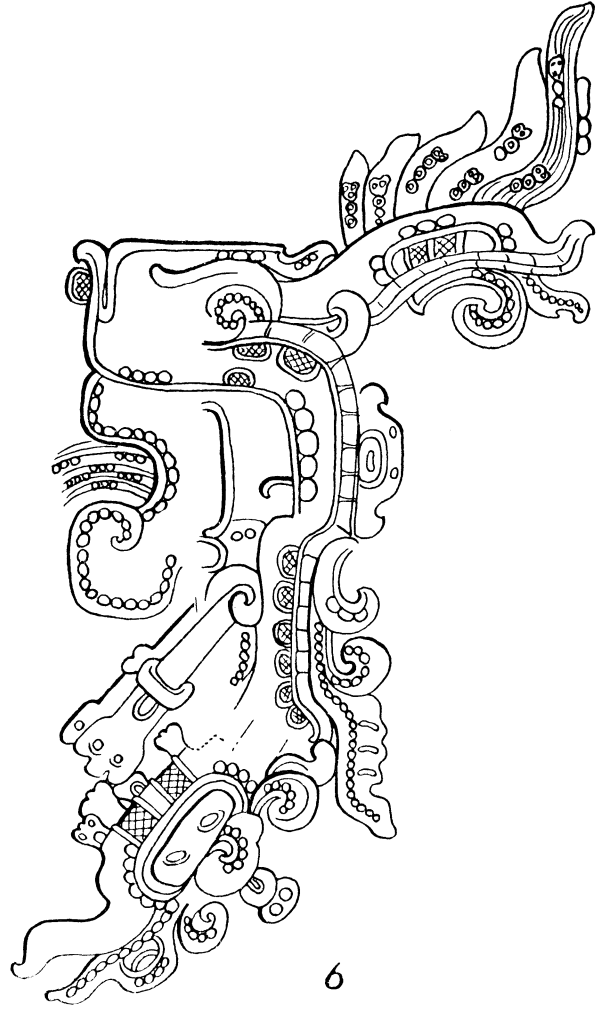
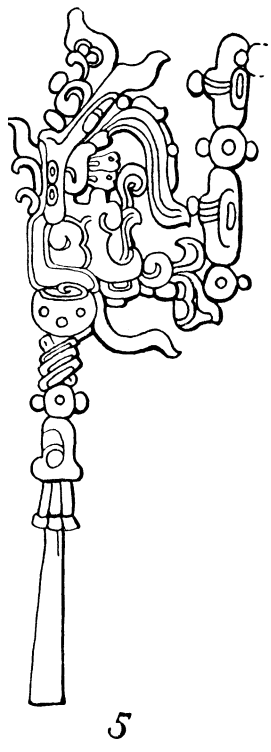
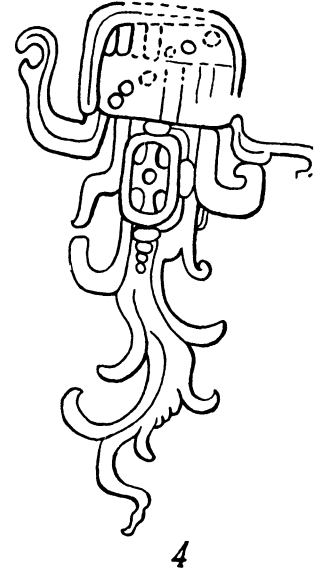
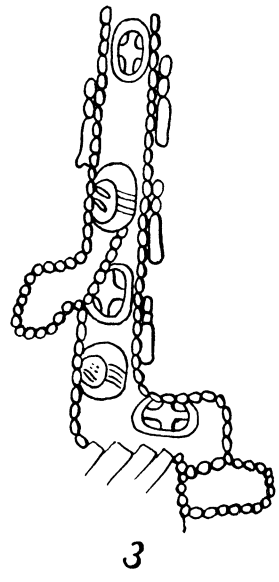
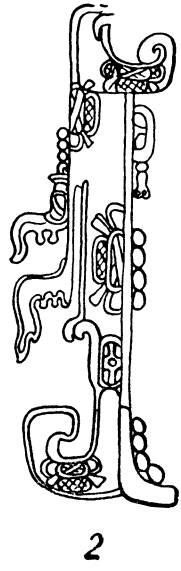
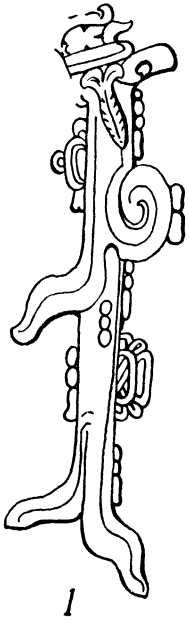


FIG. 45—KAN CROSS, COMPLETION, YAX, BONE, AND JADE SYMBOLS

1. Jade and bone with water (?) falling from them. Pal. Fol. Cross.
2. Bone and jade alternating to form frame. Pal. Palace, House D, Pier f.
3. Completion and jade alternating to form frame. Pal. Palace, House D, Pier c.
4. Kan cross with jade and bone attachments. Pal. Fol. Cross, side of sanctuary.
5. Yax and jade alternating to form frame. Pal. Palace, House D, Pier d.
- 6,9. Flower elements attached to kan cross. Pal. Palace, House E, mural in west room.
7. Head of earth monster with kan cross on forehead, from which grows maize plant. Pal. Fol. Cross.
8. Head of long-nosed earth monster of no. 7 with kan cross, jade, bone, and yax symbols.
10. Long-nosed monster joined to completion sign. Tik. 1, base of south side.
11. Kan cross and jade alternating to form frame. Pal. Palace, House D, Pier e.
12. Flower element attached to jade bead. Pal. Palace, House E, mural in west room.
13. Yax and kan cross symbol. Dresden 18c.
14. Goddess carrying yax and kan cross in pack on her back. Dresden 18c.



1



2



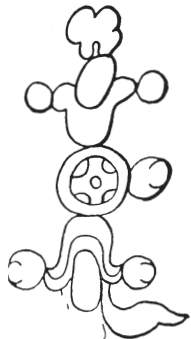
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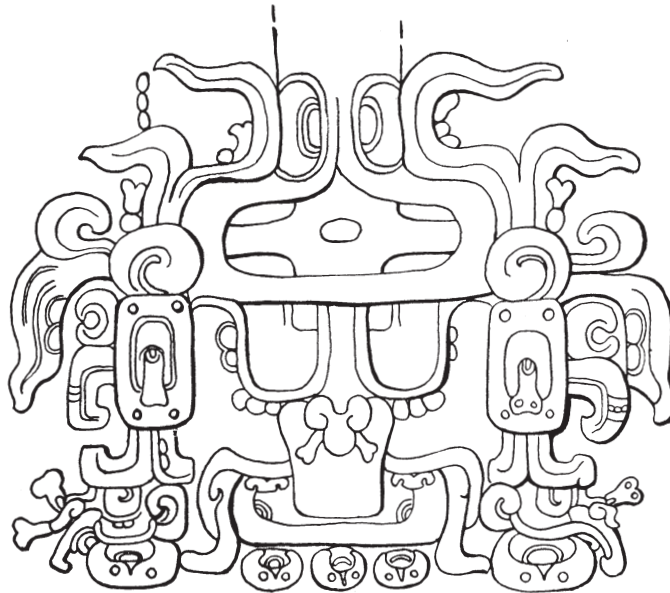
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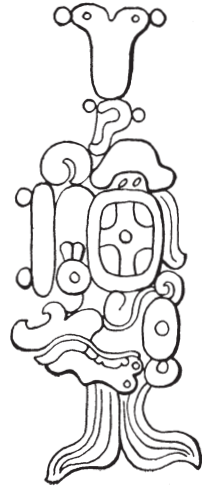
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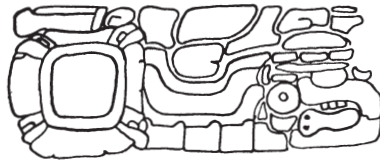
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11



12



10



14



13

FIG. 45

FIG. 46—DIVINATORY TEXTS, CLAUSES, AND MULTIPLICATION TABLE

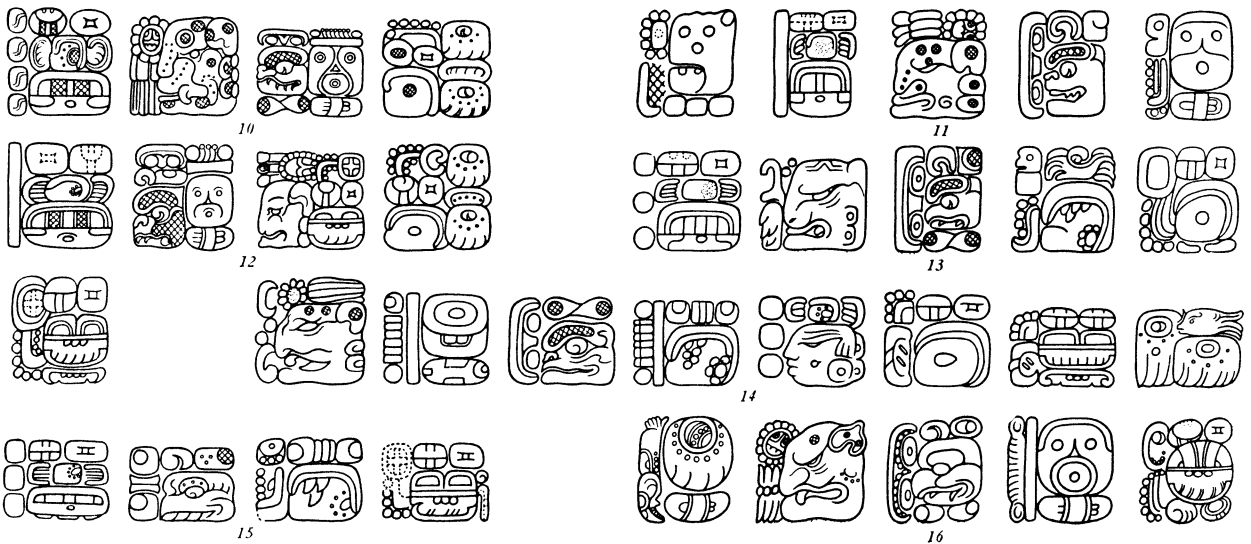
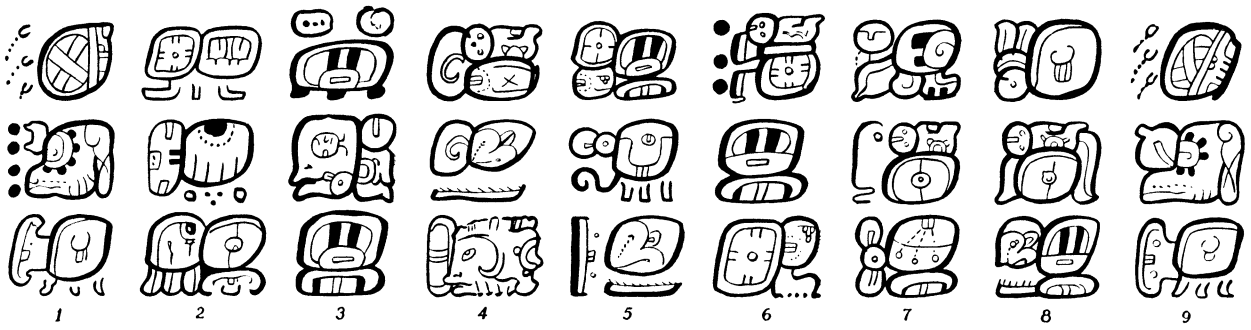
1-9. Glyphs accompanying nine sections of a divinatory almanac with 65-day intervals on Dresden 71c-72c.

VARIATIONS ON A CLAUSE AT YAXCHILAN:

10. Yax. L 25, A1-A4. Glyphs reversed to conform to standard presentation.
11. Yax. 12, F2-F4.
12. Yax. L 56, K1-L2.
13. Yax. 11, Z5-A'8.
14. Yax. L 2, M1-Q1.
15. Yax. L 42, G1-G4.
16. Yax. L 46, F''5-F''7.
17. Schematization of 91 and 364 multiplication table together with IS which precede it. Dresden 31a-32a.

AHAU ELEMENT IN COMPOUND GLYPHS:

18. Ahau in hand. Cop. J, B7a.
19. Ahau in hand. Cop. J, D7a.
20. Ahau in hand with *ti* prefix. Yax. L 3, C2a.
21. Ahau in hand with *u* bracket prefix. P.N. 3, E3a.
22. Inverted Ahau in hand with *u* bracket prefix. Cop. Q, F6a.
23. Inverted Ahau in hand with prefix. Bonam. 1, G1 band.
24. Ahau with flamelike prefix. Cop. 9, D7a.
25. Ahau with flamelike prefix. Rio Amarillo, Alt 1, D1a.
26. Ahau with flamelike prefix. Bonam. 1, G1 band.
27. Kan. Perez prophecies for a Katun 5 Ahau.
28. Muluc. Perez prophecies for a Katun 5 Ahau.
29. Ix. Perez prophecies for a Katun 5 Ahau.
30. Cauac. Perez prophecies for a Katun 5 Ahau.
31. Cauac. Perez prophecies for a Katun 5 Ahau.
32. *Cuch*, "burden." Perez prophecies for a Katun 5 Ahau.



(13 CAUAC) 7 CEN	(13 AKBAL) 11 KAYAB	(13 IMIX) 9 UO	GLYPHS									
145600? 400 x 364?	109200? 300 x 364?	72800? 200 x 364?		36400? 100 x 364?	910 10 x 91 BEN	819 9 x 91 IK	637 7 x 91 AHAU	546 6 x 91 MULUC	455 5 x 91	273 3 x 91	182 2 x 91	91 1 x 91
29120 80 x 364	21840 60 x 364	14560 40 x 364		7280 20 x 364								
5460 15 x 364	3640 10 x 364	1820 5 x 364		1456 4 x 364								
(RING NUMBER) 4 AHAU (8) CUMKU 8.16.14.15.4 6.1 8.16.14.9.3	(RING NUMBER) 4 AHAU (8) CUMKU 8.16.3.13.0 0.17	RING NUMBER 4 AHAU (8) CUMKU 10.13.13.3.2 7.2.14.19	13 AKBAL MEANINGS OF NUMBERS NOT CLEAR	1082 3 x 364 13 (MEN)	728 2 x 364 CHUEN	364 1 x 364 MANIK	1001 11 x 91 KAN	MANIK 364 Days CHUEN 364 Days MEN 364 Days CAUAC 364 Days	CIB 91 Days AHAU 91 Days KAN 31 Days LAMAT 91 Days EB	CHICCHAN 91 Days MULUC 91 Days BEN 31 Days CABAN 91 Days IMIX	IX 91 Days EZNAB 91 Days CIMI 91 Days OC	

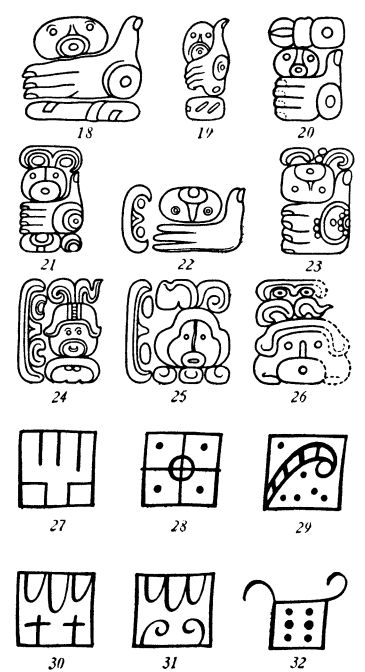


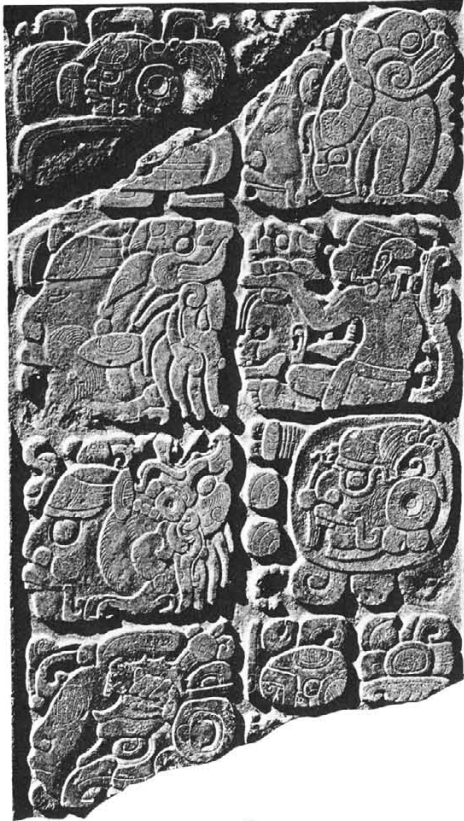
FIG. 47—EARLY INSCRIPTIONS

1. P.N. L 12. IS and following glyphs. 9.3.19.12.12 9 Eb 10 Zec, Gl G8 (error for G9), Gl F. Possible date (9.4.0.0.0) 13 Ahau 18 Yax, count of tun (C1, E1, G1), but arrangement most irregular. (Courtesy of University Museum, Philadelphia.)
2. Yax. L 48. IS with full-figure period glyphs and personified numbers. Read to bottom of Column A before passing to Column B. 9.4.11.8.16 2 Cib (19 Pax), Gl G5 and F. Note monkey serving as kin with end of tail shaped as head of serpent. Also note coefficient of 16 formed by holding head for 6 above that for 10.
3. Pusil. O. IS and lunar series. 9.7.0.0.0 7 Ahau (3 Kankin), Gl G9, F, 5E, D, 6C, X, 9A. (Courtesy of British Museum.)
4. Cop. 24. Part of IS. 9.2.10.0.(0) 3 Ahau (8 Cumku). Note centipede element projecting from cartouche of day sign.
5. P.N. 29. Part of IS. 9.5.5.(0.0) 4 Ahau 13 Zotz'. The kins and uinals can be safely restored as zero because the IS introductory glyph is the form for Zotz'. Distance number 1.1.10.19 (C1-D1) leads to 9.6.6.10.19 9 Cauac 7 Yax (C4-D4).
6. P.N. MSS 19. Seating glyph and glyph with coefficient of 1 shown as a thumb. (Courtesy of University Museum, Philadelphia.)





I



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4



5



6

FIG. 48—PART OF THE HIEROGLYPHIC STAIRWAY, NARANJO

1. Bl 5. IS with personified glyphs. Read across rows. 9.10.10.0.0  
13 Ahau (18 Kankin), Gl G9, glyph of unknown meaning.  
Columns lettered I, J, K.
2. Bl 6. Dates and distance numbers. Read across rows. Columns  
lettered L, M, N. Distance number 9 kins, 4 uinals, 1 tun  
(L1b-M1a); (9.9.18.16.3) 7 Akbal 16 Muan (M1b-N1a);  
sundry glyphs of unknown meaning; distance number 17 kins,  
1 uinal, 1 tun (M3); (9.10.0.0.0) 1 Ahau 8 Kayab (N3).  
Note use of thumb to designate number 1 at M1a and M3b.

(Courtesy of Peabody Museum, Harvard University)



FIG. 49—TEXTS FROM THE USUMACINTA BASIN

1. Yax L 25. Date and distance number. Distance number 0 kins, 7 uinals, 2 tuns, 2 katuns leading from (9.12.9.8.1) 5 Imix 4 Mac, recorded on under side of lintel, count forward to (9.14.11.15.1) 3 Imix 14 Ch'en. (Courtesy of British Museum.)
2. Yax. L 27. Dates and distance number. (9.13.13.12.5) 6 Chicchan 8 Zac (written 8 Yax); distance number 9 kins, 5 uinals, 17 tuns, 1 katun count forward to (E1-F1) (9.15.10.17.14) 6 Ix 12 Yaxkin; distance number 0 kins, 17 uinals, 6 tuns (H2). The calculation continues on L 59. Note 6 katuns (D1a), 5 "Ben-Ich" katuns (G1a), Venus monster with Ahau-like Ik compound (A2-B2 and F2; see also Yax. 12, A2-B2).
3. Chinik. Thr 1. Dates and distance number. (9.7.0.0.0) 7 Ahau 3 Kankin, seating of haab; 1 uinal counted forward to (D1-E1) (9.7.0.1.0) 1 Ahau 3 Muan (F1-G1). Note personified form of Kankin (B1) and unusual prefix to uinal. (Courtesy of Peabody Museum, Harvard University.)
4. Chinik. Thr 1. Distance number and date. Distance number of 4 kins (eroded), 14 uinals, 5 tuns, 1 katun (H1-J1), counted forward to (M1) 2 Kan (N1). The month position 17 Uo is missing. The starting point is 1 Ahau 3 Muan, recorded on the first part of this text. Note rare personified form of Kan. (Courtesy of Peabody Museum, Harvard University.)
5. La Florida, 9. Lunar series. (9.15.0.0.0) 4 Ahau 13 Yax; G1 G9, F, 11D, 3C, X, B, 10A. Note personified form of Yax.





I



2



3



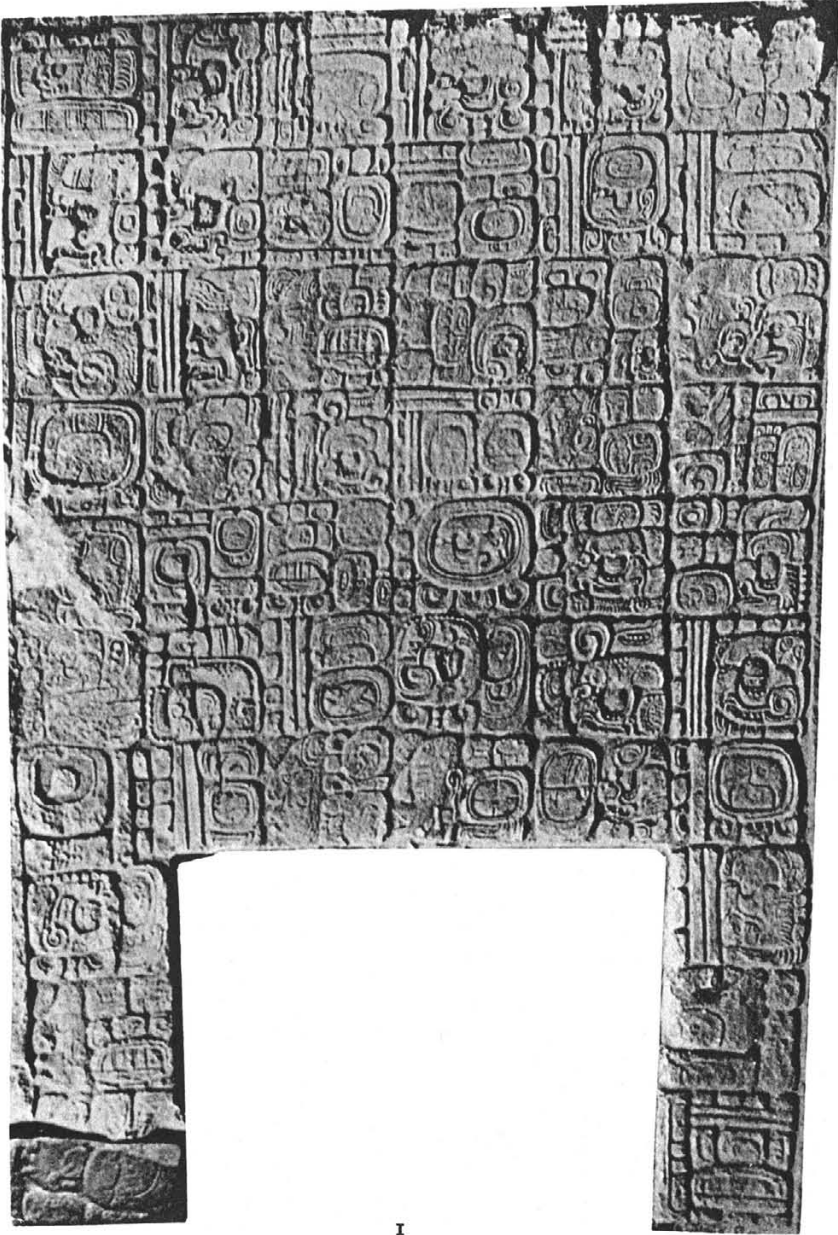
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5

FIG. 50—TEXTS OF VARIOUS PERIODS

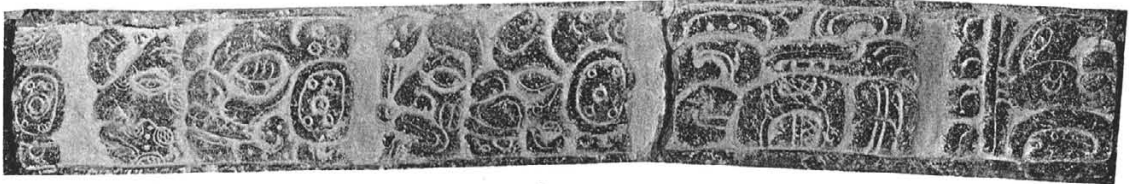
1. P.N. 3, IS and PE. 9.12.2.0.16 5 Cib, G7, unknown, 7E, D, 2C, X, 9A, 14 Yaxkin (A1-B7); frog with moon postfix (A8); 1 (?) "Ben-Ich" katun (A9); 0 kins, 10 uinals, 12 tuns, count forward to (9.12.14.10.16) 1 Cib 14 Kankin (C1-D2a); 10 kins, 11 uinals, 1 tun, 1 katun, count forward to (D4-C5) (9.13.16.4.6) 4 Cimi 14 Uo (D5-C6); 15 kins, 8 uinals, 3 tuns, count forward to (E1-F1) (9.13.19.13.1) 11 Imix 14 Yax (E2-F2); completion of fifth haab 1 katun (F4-E5; this declares an anniversary of a date given elsewhere on this stela); 19 kins, 4 uinals, count forward to (F6-E7) (9.14.0.0.0) 6 Ahau 13 Muan, completion of fourteenth katun (F7-F10). (Courtesy of Peabody Museum, Harvard University.)
2. Yax. Str 44, middle door. 9.12.8.14.1 12 Imix, G2, F, 7E, D, (4)C, X, B, 9A, 4 Pop (A1-D2); distance number 0 kins, 12 uinals (D8b-C9a); count forward to (9.12.9.8.1) 5 Imix 4 Mac (D9b-C10).
3. Cop. Stone re-used as cover of drain. Glyphs are of early style, of about 9.7.0.0.0. Part of an IS recording 9 uinals, ? kins and perhaps Glyph G1. Note clear yax ornament on head of 9. Glyphs covered with paper to bring out detail.
4. Cop. Fragmentary stone recovered from Copan river. Three tuns, Imix-Ahau with *u* bracket, (9.18.10.0.0) 10 Ahau 8 Zac, hand scattering water.
5. El Amparo 1. 12 Ahau, 3 *te* with unidentified month glyph. Ornamental cross in coefficient of Ahau indicates a late text. Note unusual postfix of Ahau. (Photograph by Richard Ceough.)



I



2



3



4



5

FIG. 51—TEXTS AT YAXCHILAN, COPAN, AND PALENQUE

1. Yax. Str 44, southeast doorway, upper step. The columns are lettered V to Y. (9.6.10.14.15) 4 Men 3 Mac (V1-W1); 19 kins, 2 uinals, 11 tuns, 7 katuns (V5-W5), leading to (9.14.1.17.14) 5 Ix 17 Kankin, declared elsewhere in this text; 17 kins, 15 uinals, 15 tuns (Y4b-X5a), leading to (9.14.17.15.11) 2 Chuen 14 Mol (Y5b-X6a). Note 5 katuns (X3a). (Photographs by Giles G. Healey.)
2. Yax. 12. (9.15.10.17.14) 6 Ix 14 Yaxkin; 6 kins, (0 uinals), 10 tuns, count forward to (A6-B6) (9.16.1.0.0) 11 Ahau 8 Zec (C1-D1). Note Venus glyph and "Ahau"-Ik compound (A2-B2), as on Yax. L 27, 5 "Ben-Ich" katuns (B3), variant form of distance number introductory glyph with lunar postfix (B5). (Photograph by Giles G. Healey.)
3. Cop. Review Stand. Last two glyphs recording (9.17.0.0.0) 13 Ahau 18 Cumku.
4. Pal. Lápida de Creación, incised glyphs. (Courtesy of Museo Nacional de Antropología, Mexico.)





I

2

3

4

FIG. 52—TEXTS AT TIKAL AND COPAN

1, 2. Tik. T 4, L 3. One of the few surviving texts in wood. The arrangement is:

A1-A2	9. 15. 10. 0. 0	3 Ahau 3 Mol.	Half period of katun
B2-A3	2. 2. 2		
B3-A4	9. 15. 12. 2. 2	11 Ik 15 Ch'en	
C4	1	1 sun at horizon	
D4-C5	9. 15. 12. 2. 3	12 Akbal 16 Ch'en	
F1	3.(0.0)		
E2-F2	9. 15. 15. 2. 3	13 Akbal 1 Ch'en	

Note Venus glyph as prefix (B4a), unusual postfix of tun glyphs at A3 and F1, and possible record of 4 katuns at H9, but the hand holding axe against the cheek makes this identification doubtful. (Photographed from a cast in Peabody Museum, Harvard University.)

3, 4. Cop. HS, fragments. The first fragment illustrates non-calendrical glyphs of the best period of carving at Copan (c. 9.16.0.0.0.); the second has an incomplete distance number of 1.15. ? ? leading back to a day 7 Lamat. Note the anterior date indicator with *ti* element personified as vulture with *ti* on his forehead (cf. fig. 4,29). (Courtesy of Peabody Museum, Harvard University.)



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FIG. 53—TEXTS AT PALENQUE, QUIRIGUA, AND XCALUMKIN

1. Left side of Cross, Pal. The dates are:

A1-B9 A10-A13	12. 19. 13. 4. 0	8 Ahau 18 Zec (IS). Five <i>bix</i> days, D, 2C, X, B, 9A
B13	1. 0	Moon glyph with zero coefficient
A16-B16	12. 19. 13. 3. 0	1 Ahau 18 Zotz' (819- day count)
D1-C2	8. 5. 2	Written 8.5.0. Joins first date with 13 Ik, end of Mol, given below
D3-C5	13. 0. 0. 0. 0	4 Ahau 8 Cumku, com- pletion 13 baktuns
D5-C6a	1. 9. 2	
C9-D9 D13-C15	13. 0. 1. 9. 2 1. 18. 3. 12. 0	13 Ik, end of Mol
E1-F1	1. 18. 5. 3. 2	9 Ik 15 Ceh
	(12. 19. 13. 3. 0)	1 Ahau 18 Zotz' not repeated
E5-F6	2. 1. 7. 11. 2	
E9-F9	2. 1. 0. 14. 2	9 Ik 0 Yax (written 0 Zac)
E10-F11 E12-F12	3. 6. 10. 12. 2	9 Ik starting point of count
	( 5. 7. 11. 8. 4 1. 6. 7. 13	1 Kan 2 Cumku)
Rt. tablet	5. 8. 17. 15. 17	11 Caban 0 Pop

It is possible that the last three dates should be shifted forward about 24 CR. (Courtesy of British Museum.)

2. Quir. F, east side. Personified numbers and periods in IS:

C1-D5, D8 C6-C8	9. 16. 10. 0. 0	1 Ahau 3 Zip G9, F, moon completed (?), 6C, X, 10A
D10-C11 C13a	(0. 12. 10. 0. 0. 0. 0. 0) 11. 1. (0. 0. 0. 0)	1 Ahau, tun?? ?
D14 C14	(0. 11. 18. 19. 0. 0. 0. 0)	1 Ahau 13 Mol Completion 19 baktuns (?)
D16-C17	18. 13. 0. 0. 0. 0. 0. 0	1 Ahau 13 Yaxkin
D16a		Completion 13 kinchiltuns

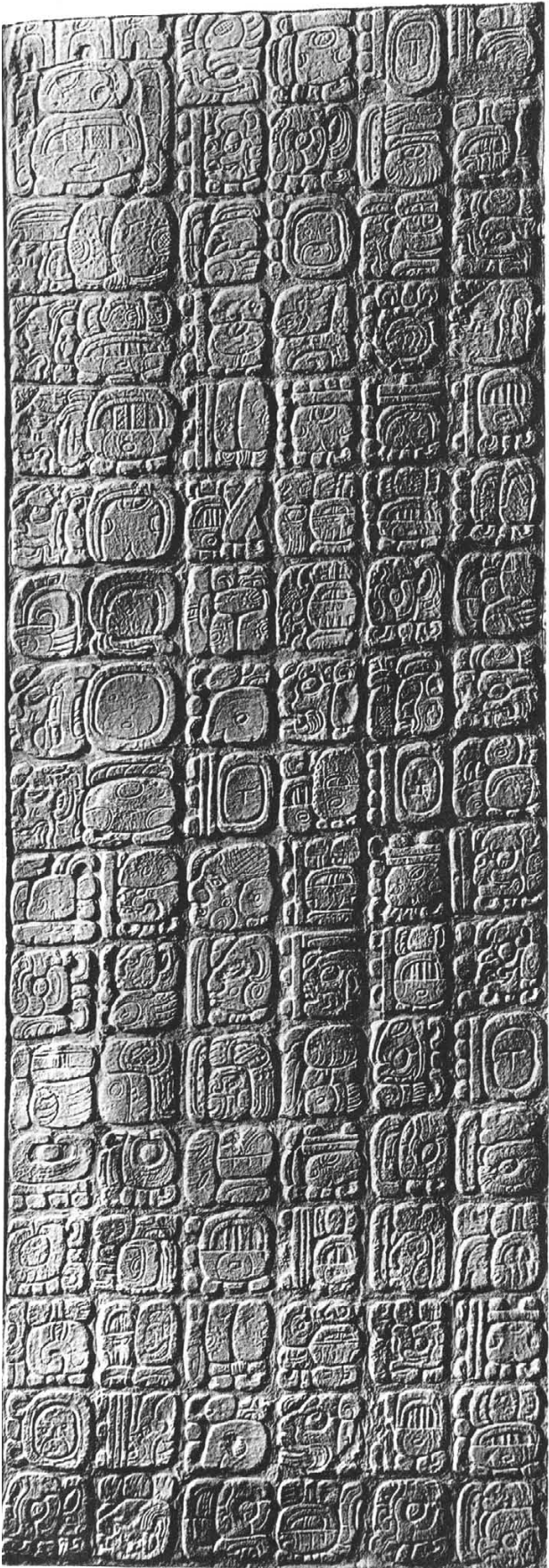
The dates from D10 to C14 are dubious. The record of 1 Ahau, tun, may refer to 9.16.10.0.0; the glyph with coefficient of 19 is not a known form of the baktun; the glyph read as 11 pictuns 1 baktun would normally be read as 11 baktuns 1 katun. (Courtesy of British Museum.)

3. Xcal. Temple of Initial Series. Personified numbers and periods:

A1-A8	9. 15. 12. 6. 9	7 Muluc (1 Kankin on part not shown)
B8-B12		Kin, G3, unknown, 2D, 2C, X, B

(Photograph of cast in Peabody Museum, Harvard University.)





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FIG. 54—TEXTS AT COPAN AND BONAMPAK

1. Cop. 6. IS and lunar series recording 9.12.10.0.0 9 Ahau, G9, F (personified postfix converted into main element, 2E, D, 2(?)C, (coefficient obliterated), B with *xoc* head, X, 10A, 18 Zotz', completion half period, 8 Ahau (postfix indicating a katun ending, that is 9.13.0.0.0 8 Ahau 8 Uo).

2,3. Bonam. 2. CR dates, position of first fixed by Gl G. Arrangement:

A1-B1	9.17. 5. 8. 9	6 Muluc 17 Yaxkin
A2-B2		Gl G7, F
D2-E3	13. 7. 9	Count forward to
D4-E4	9.17.18.15.18	12 Etz'nab 1 Ceh
E5		Completion of haab (meaning?).

(Photograph by Giles G. Healey.)

4. Cop. T 11, E door, S panel. Arrangement:

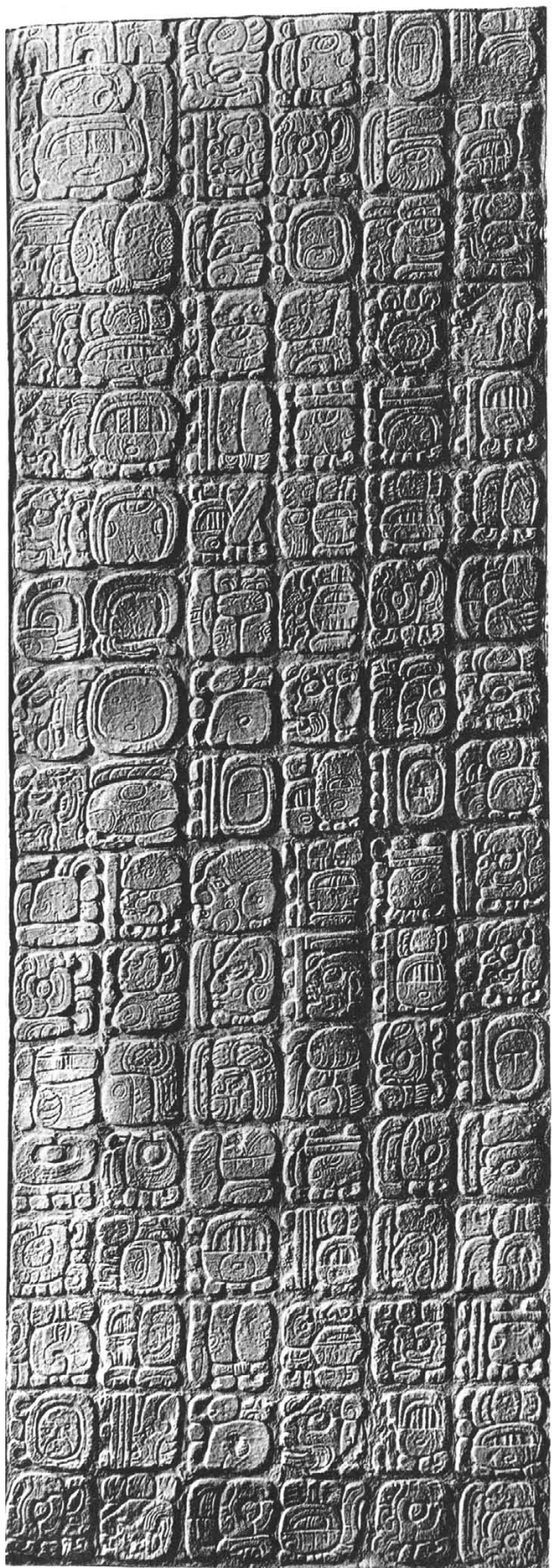
B1	3.12	Distance number. Position uncertain
A2-B4		Glyphs apparently of an 819-day cycle
A5-C4	9.17.2.12.16	IS written 9.17.2.11.16, but one uinal later reaches 1 Cib 19 Ceh given on south doorway, but not at start of panel.
C5		Count forward to

Note unusual form of baktun and rare occurrence of "count forward to" glyph after IS. Also personified form of distance number introductory glyph.

5. Cop. T 11, E door, N panel. Arrangement:

A3-B3	(9.17.1.3.5)	9 Chicchan 13 Zip
C2		5 Cib 10 Pop [ <i>sic</i> ]

Direction of glyphs reversed to face outward in doorway. Partly obliterated A1-B1 apparently give a distance number which is best as 1.9.11. A distance number of 1.9.11 would connect the first date with the IS (amended) on the south panel. The combination 5 Cib 10 Pop is impossible. Note great Venus glyph at C4b.



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FIG. 55—TEXTS AT PALENQUE AND QUIRIGUA

i. Pal. 96 Gl.:

A1-B1	9.11. 0. 0. 0	12 Ahau 8 Ceh,
B2		Expiration of 11 katuns
A5-A6	2. 1. 11	Count forward to
B6-A7	9.11. 2. 1. 11	9 Chuen 9 Mac
D2-C4	2. 8. 4. 17	Count forward to
D4-C5	9.13.10. 6. 8	5 Lamat 6 Xul
E1-E2	19. 15. 14	Count forward to
F2-E3	9.14.10. 4. 2	9 Ik 5 Kayab
F7-G1	2. 2. 14. 5	Count forward to
H1-G2	9.16.13. 0. 7	9 Manik 15 Uo
H6-G7	1. (0. 0. 0)	Count forward to
H7-G8	9.17.13. 0. 7	7 Manik 0 Pax
H8-I1		Completion of first katun
L1	7	
K2-L2	9.17.13. 0. 0	13 Ahau 13 Muan. Anterior date of pair
K3		13 tuns.
L3-K4a		Forward to completion of katun (?).

Note Venus and lunar glyph as part of what is possibly the distance number introductory glyph (E7), unusual variants Lamat and Pax (D4b, G8), the cauc glyph with affixes (A8, C8, F6, H5), one shell completion glyph (I8), five katuns (L6), winged cauc with kan cross infix (L4b), "elephant trunk" prefix as in Dresden (E5).

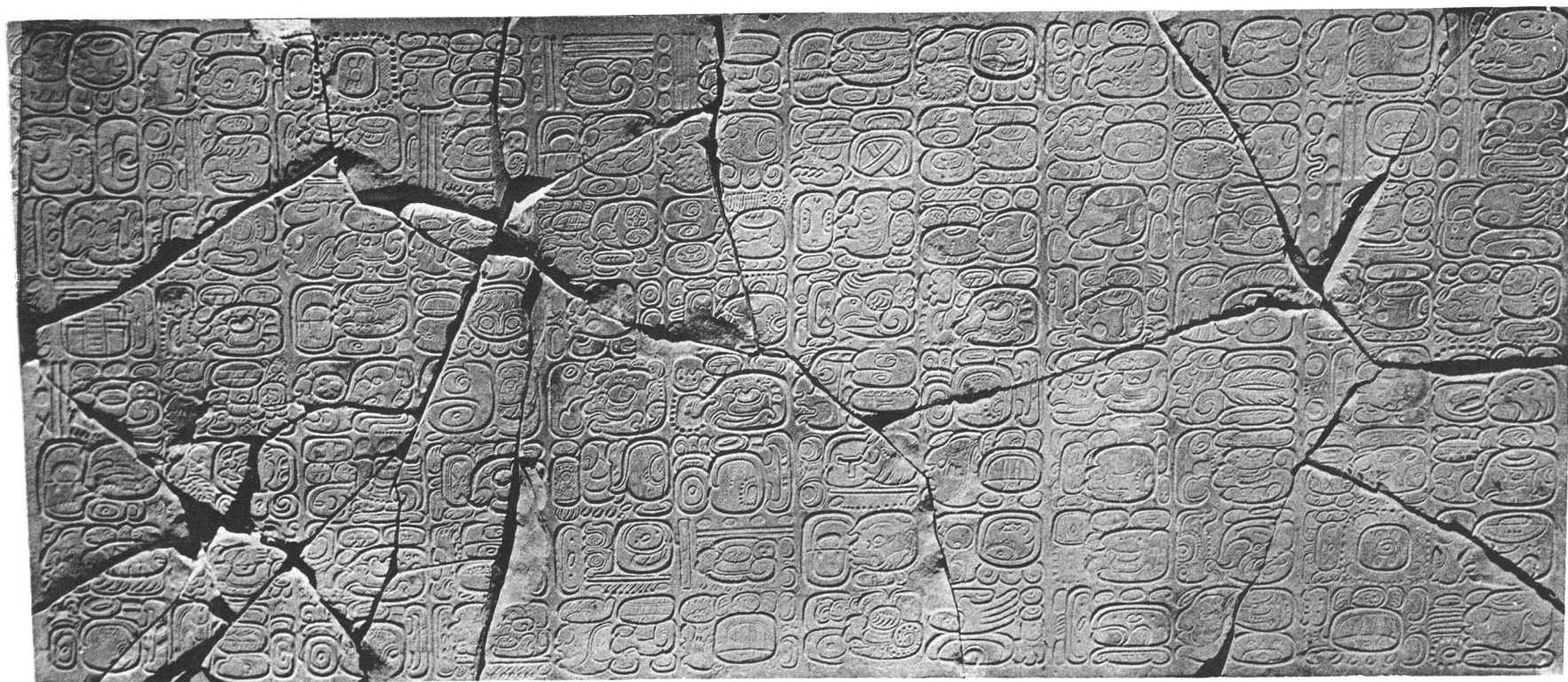
2-4. Opening sentences of Quir. Alt P:

A1-B2		IS introductory glyph for month Ceh
C1-F1, H2	9.18.5.0.0	4 Ahau 13 Ceh, fifth haab.
E2-G2		Glyphs G, F, 3E, D, 4C, X, B, 9A

Note the unusual form of Glyph A with coefficient inside the crescent and head forms for Ceh and haab.

(Photographs specially taken for this publication by Giles G. Healey.)





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FIG. 56—TEXTS FROM CHIAPAS AND CAMPECHE

1. Xcal. north temple, east column. First two glyphs may record: Haab 1, 13 Ahau, probably a reference to a date falling in tun ending on 9.14.1.0.0. Note style of glyphs.
2. Yax. 7. Noncalendrical glyphs on front.
3. Tila C. IS 9.13.0.0.0 8 Ahau 8 Uo.
4. Yax. L 30. The text is carried forward from L 29 and the first column is E. There is recorded a base in the 819-day count at 1 Ben 1 Ch'en:

Lintel 29	9.13.17.12.10	8 Oc (IS)
E1-F1	1. 1.17	(Subtract)
<hr style="width: 50%; margin-left: 0;"/>		
E2-F2	9.13.16.10.13	1 Ben 1 Ch'en
E3-F5		Glyphs of 819-day count
G1	(9.13.17.12.10)	13 Yax, month of IS
H3-H4a	2. 3. 5.10	Its count to
<hr style="width: 50%; margin-left: 0;"/>		
H4b-G5	9.16. 1. 0. 0	11 Ahau 8 Zec

5. Yax. L 14. Opening pair of glyphs are 4 Imix 4 Mol, probably referable to 9.15.10.0.1. They are followed by the glyph of the hand grasping fish. Note half-speckled Ahau with *u* postfix at B4.
6. Yax. 11. IS records 9.16.1.0.0 11 Ahau 8 Zec with glyphs G9, F, 6Y, 12D, 5C (perhaps 4C), X, B, 9A. Note tied-up lunar glyph as on L 30 and *te* (1) prefix with tun and 8 Zec. "Ben-Ich" katun with possible coefficient of 5 is also recorded. (Courtesy of Peabody Museum, Harvard University.)



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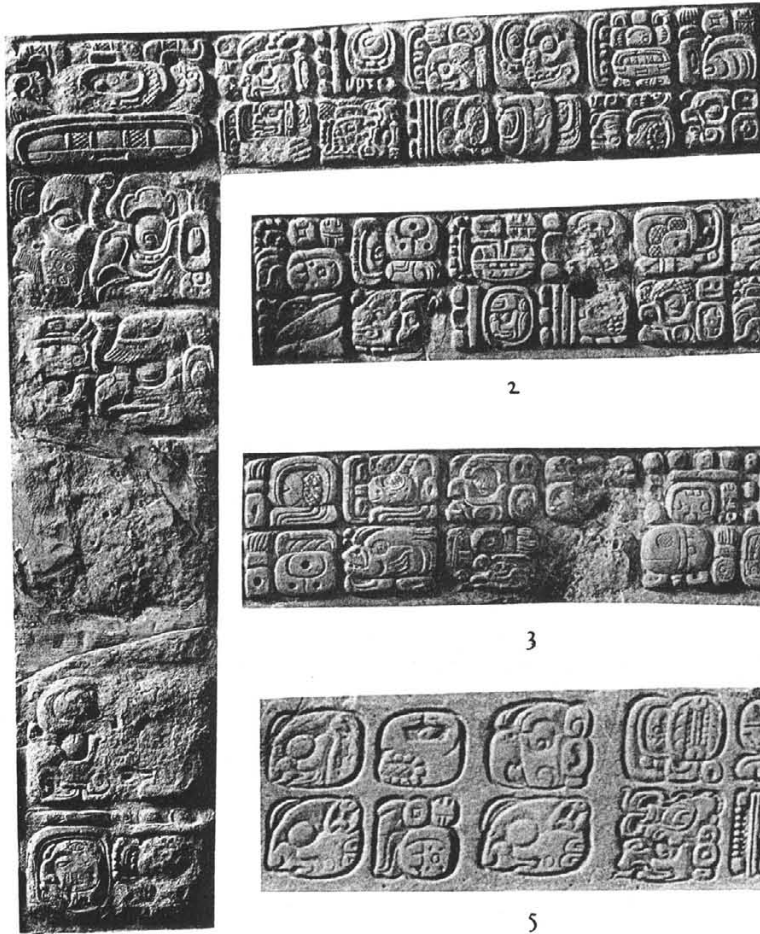
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FIG. 57—TEXTS AT PIEDRAS NEGRAS AND PALENQUE

1-6. P.N. L 3. The text has been rearranged and a part omitted. 1, A1-H2; 2, I1-N2, originally to the right of no. 1; 3, O1-T2, originally to the right of no. 2; 4, U1-V12, originally the right edge of lintel, joining no. 3 at top; 5, glyphs at right edge of bench; 6, some of glyphs at bottom of lintel. The text runs:

- |    |                         |          |                       |  |
|----|-------------------------|----------|-----------------------|--|
| 1. | A1-A14, E2<br>B14-F1    | 9.15.18. | 3.13                  | 5 Ben 16 Ch'en (IS)<br>G1, F, 9D, C completed,<br>X, B, 10A<br>One katun anniversary<br>(note postfix) |
|    | G1                      |          |                       | (Inverted Ahau variant)  |
| 2. | L1                      |          | 2                     |  |
| 3. | K2-L2<br>S1-T1<br>S2-T2 | 9.15.18. | 3.15<br>8. 8. 2       | 7 Men 18 Ch'en<br>From earlier date forward to sunrise   |
| 4. | U1-V1<br>U4             | 9.16.    | 6.11.17<br>3          | 7 Caban 0 Pax<br>(Inverted Ahau variant)   |
|    | V4-U5<br>U7-U8          | 9.16.    | 6.12. 0<br>1. 4.12. 1 | 10 Ahau 3 Pax<br>Forward to sunrise  |
|    | V8                      | 9.17.11. | 6. 1                  | 12 Imix 19 Zip   |
- 5,6. These contain no chronological matter. (Courtesy of University Museum, Philadelphia.)
7. P.N. 10, left side. The text runs:
- |           |             |                                 |
|-----------|-------------|---------------------------------|
| A1-B5, A9 | 9.15.10.0.0 | 3 Ahau 3 Mol                    |
| A6-B8     |             | GF, 9D, 3C, X, B, 10A           |
| B9        |             | Glyph for half period completed |
8. Stucco glyphs from Olvidado, Pal. They form an incomplete IS, the parts lacking being in parentheses: 9.10.(14).5.10 3 Oc 3 Pop (G), F, (D), 6C (X, B, A). The variable element of the IS introductory glyph is the head of a jaguar, which is correct for this IS which falls in Pop. (Courtesy of National Museum of Anthropology, Mexico.)





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b



c



d



e



f



g



h



i



j

FIG. 58—PIEDRAS NEGRAS, THRONE 1: TEXT ON TOP, FRONT, AND LEGS OF SCREEN

1. Top of screen (B-E).
2. Front (H-U).
- 3-5. Left leg (Z-E').
- 6-8. Right leg (F'-K').

The chronological parts of the text run:

	L1-M1		Count of 15 katuns dis-
A	O1-P1	9.15.18.16. 7	12 Manik 5 Zotz'
B		(9.17. 9. 5.11	10 Chuen 19 Zip)
	A'2-C'2	1. 0.10	Suppressed Forward to day (sunrise)
C	D'2-A'3	9.17.10. 6. 1	3 Imix 4 Zotz'
	G'1-J'1	3. 3	Forward to day (sunrise)
D	G'2-J'2	9.17.10. 9. 4	1 Kan 7 Yaxkin
	G'5-J'5	4. 8.16	Count forward to
E	K'1	9.17.15. 0. 0	5 Ahau 3 Muan
	K'2		5 haab lacking

Various glyphs are of interest: 1 Imix-Ahau (B1), double sky glyph with death-eye prefix followed by caucac glyph (R1, C'4, I'3), Venus prefix (E'6), kin with crosshatching (Z1, F'3), sundry caucac glyphs (I1, R1b, Z6, A'1, E'1, E'3, E'4, F'2, F'6, J'3, K'4, and beaked head (J, H'4, K'6).

The anniversary of Date A, 2 katuns, 6 tuns later, is given on Stela 12 (fig. 59,6) and Date A, in turn, is the 13-tun anniversary of (9.15.5.16.7) 12 Manik 10 Yaxkin recorded on the leg of another altar. Date D is one katun later than 9.16.10.9.4 3 Kan 7 Ceh which may be recorded on L 10. Date C is 1 tun before a date on L 3 (fig. 57,4). (Courtesy of University Museum, Philadelphia.)



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FIG. 59—TEXTS AT OXLAHUNTUN AND PIEDRAS NEGRAS

I. Glyphs incised in stucco at Oxlahuntun. Column to left destroyed. Text reads:

A1-B1	(9.11. 0. 0.0)	12 Ahau 8 Ceh) seating of haab
A2-B2	1.11.(6.5)	
A3-B3	(9.12.11. 6.5)	13 Chicchan 18 Yax
A4-B5	9.13. 0. 0.0	8 Ahau (8 Uo). Completion of haab. Count 13 katuns

(Photographs by Giles G. Healey.)

2-5. Glyphs on legs of P.N. Alt 2:

A1-B1	9.13. 9.14.15	7 Men 18 Kankin
C1-D1	1. 8. 6.18	Forward to day (sunrise)
E1-D2	9.14.18. 3.13	at 7 Ben 16 Kankin
F3-G1	1.14. 7	
H1-G2	9.15. 0. 0. 0	4 Ahau 13 Yax
H2-G3		Fifteenth katun. Count haab completed
I2-K1	1. 0. 0. 0	Forward to day (sunrise)
J2-K2	9.16. 0. 0. 0	at 2 Ahau 13 Zec
J3-L2		Completion of sixteenth katun, expiration of haab completed, the tun

(Courtesy of University Museum, Philadelphia.)

6. Surviving glyphs on right side of P.N. 12, the IS of which is destroyed:

A1-A8, B11	(9.18. 5. 0. 0)	4 Ahau 13 Ceh
A9-A11		3E, D, 6C, X, B, 10A
A12-B12		Fifth haab. Count of haab completed
B15-A16a	8. 3. 1	Count backward to
A16b-B16	9.17.16.14.19	1 Cauac 12 Zac
A20a	1.13	(Counted backward from IS)
A20b-B20	9.18. 4.16. 7	10 Manik 0 Zac
A21		Sixth haab, third katun

The last record calls attention to the last date being the 3-katun and 6-tun anniversary of a date, the first katun anniversary of which is given on Thr 1 (fig. 58,2). (Courtesy of University Museum, Philadelphia.)





I



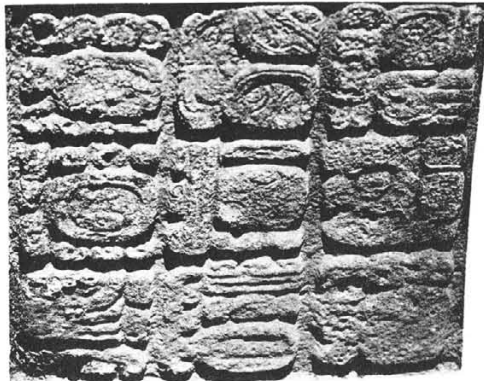
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FIG. 60—FULL-FIGURE GLYPHS, COPAN, D

The IS reads 9.15.5.0.0 10 Ahau 8 Ch'en. Compare with frontispiece which is an adaptation from this text. (Photograph of cast specially taken for this publication by Department of Ethnography, British Museum.)



FIG. 61—TWO DIVINATORY ALMANACS, CODEX DRESDEN

1-4. Divinatory almanac on Dresden 42c-45c divided into four sections of 65 days each and probably connected with burner ceremony, as the sections start with the days 4 Ahau, 4 Chicchan, 4 Oc, and 4 Men. These are "the rulers," the days on which the burners let the fire run. Each division is associated with a world direction and contains the dog glyph, which among other things is a fire symbol. There are also prognostications. The days within each section are at intervals of eight days, with 17 days to carry to the start of the next section ( $6 \times 8 + 17 = 65$ ).

1. 4 Ahau, 12 Lamat, 7 Cib, 2 Kan, 10 Eb, 5 Ahau, 13 Lamat. South, God B, fire dog, maize god, drought.

2. 4 Chicchan, 12 Ben, 7 Imix, 2 Muluc, 10 Caban, 5 Chicchan, 13 Ben. East, fire dog, God B, good tidings, maize seed, abundance of maize.

3. 4 Oc, 12 Etz'nab, 7 Cimi, 2 Ix, 10 Ik, 5 Oc, 13 Etz'nab. Glyph for set up (?), north, fire dog, God B, maize god, abundance of maize.

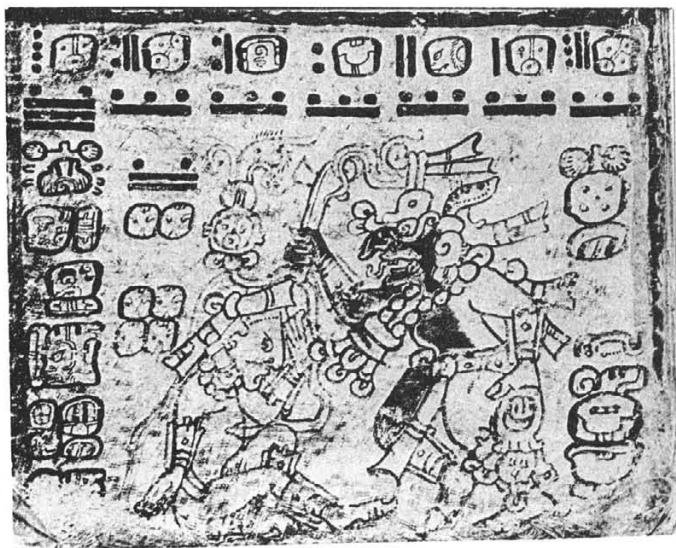
4. 4 Men, 13 Akbal, 7 Chuen, 2 Cauac, 10 Manik, 5 Men, 13 Akbal. West, fire dog, God B, maize god, drought, death. First 13 Akbal is error for 12 Akbal.

5-6. Divinatory almanac on Dresden 13b-14b divided into five sections of 52 days each. Sections start with 6 Ahau, 6 Eb, 6 Kan, 6 Cib, and 6 Lamat. Arrangement is:

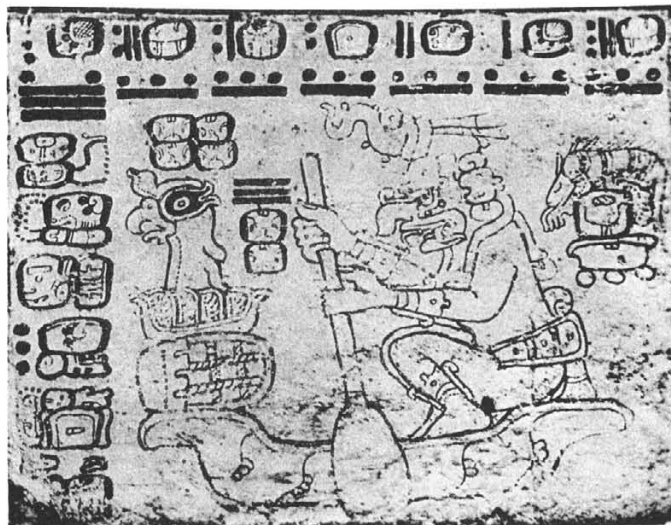
+ 13 = 6 Ben,	+ 9 = 2 Ik,	+ 7 = 9 Muluc,	+ 7 = 3 Cib,	+ 7 = 10 Akbal,	+ 9 = 6 Eb.
6 Chicchan,	2 Ix,	9 Imix,	3 Lamat,	10 Men,	6 Kan.
6 Caban,	2 Cimi,	9 Ben,	3 Ahau,	10 Manik,	6 Cib.
6 Muluc,	2 Etz'nab,	9 Chicchan,	3 Eb,	10 Cauac,	6 Lamat.
6 Imix,	2 Oc,	9 Caban,	3 Kan,	10 Chuen,	6 Ahau.
Death god,	Maize god,	God C,	Old god,	God Q,	God D.
<i>Multuntzek</i> (?)	Succession (?)	Good tidings,	?	Misery,	His rule.

First pair of glyphs show hand action-glyph and green-corn glyph. Note shifting of affixes in these two glyphs in last three columns. The pairs have a meaning such as "his influence on the maize" (p. 266). (Photographs specially taken for this report by Giles G. Healey.)





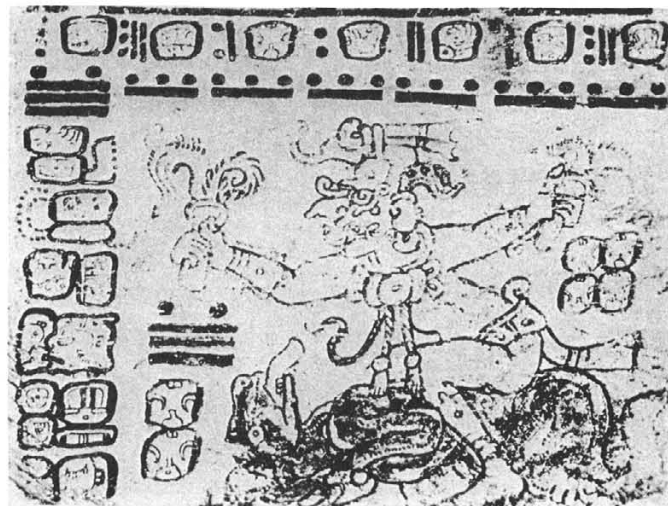
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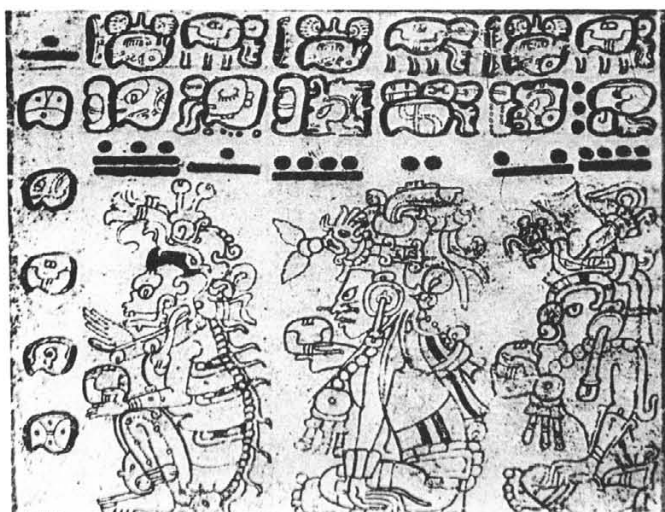
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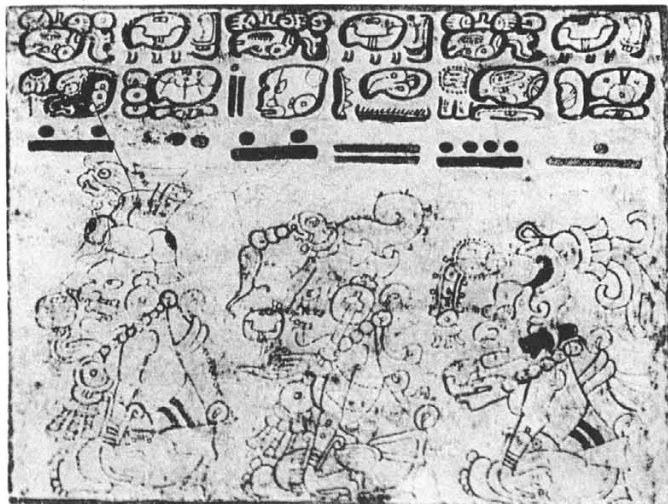
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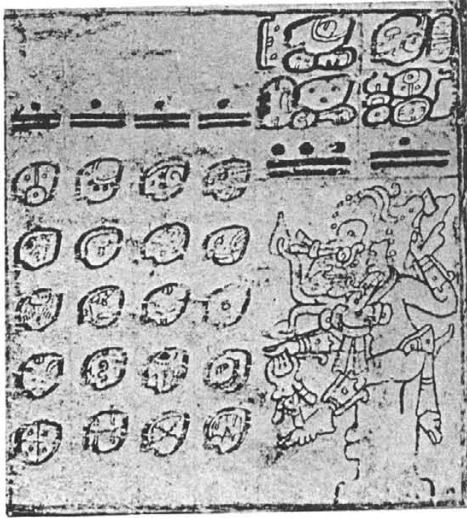


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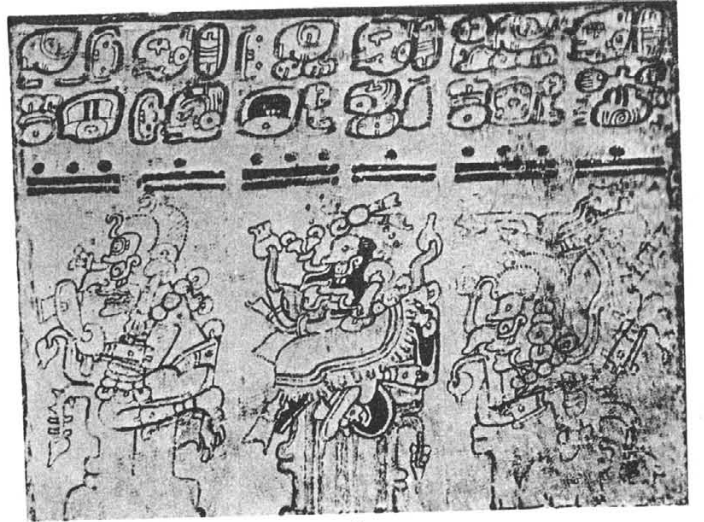
FIG. 62—THREE DIVINATORY ALMANACS, CODEX DRESDEN

- 1-4. Divinatory almanac on Dresden 30c-33c covering 2340 ( $9 \times 260$ ) days and probably formed to relate the cycle of the nine lords of the nights with the 260-day cycle. Starting and ending point 11 Ahau with nine intervals of 13 days (117) to reach 11 Caban, then 11 Ix, 11 Chuen, 11 Lamat, 11 Chicchan, etc., decreasing three places until all 20 day names have headed the division ( $20 \times 117 = 2340$ ), and each day with coefficient of 11 has appeared once in every column. World directions and colors are in each of the first four compartments in the sequence: red, east; white, north; black, west; yellow, south. First glyph in all compartments is a hand of the action group; the second glyph that of God B. Note *te* (1) postfix, here meaning "tree," with three colors; God B is posed on world trees in pictures below.
5. Divinatory almanac on Dresden 15c divided into 10 sections, of 26 days each, with 3 Lamat as starting and finishing point. Only two subdivisions with intervals of 12 and 14 days. Hand glyph of the action group opens each compartment (note postfix switch to prefix); kin sign with dotted outline the second glyph; glyphs of death god and God D occupy the third place in their respective compartments; the death (*multuntzek?*) glyph and the glyph of a goddess.
6. Divinatory almanac on Dresden 12b divided into five sections, of 52 days each, with three subdivisions (intervals of 13, 26, and 13 days). Same action glyph, a Muluc variant, opens each section; second glyph that of deity—death god, a goddess, and death god again; last pair of glyphs in each compartment the luck of the day: death and misery; abundance its rule; death (*multuntzek?*) and misery.

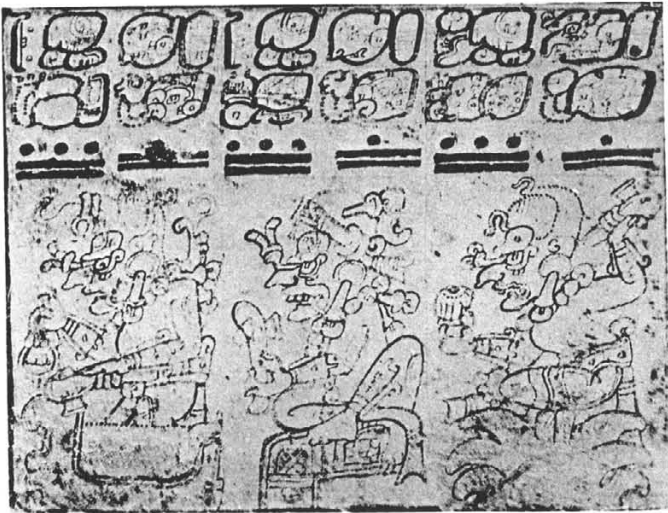
(Photographs specially taken for this report by Giles G. Healey.)



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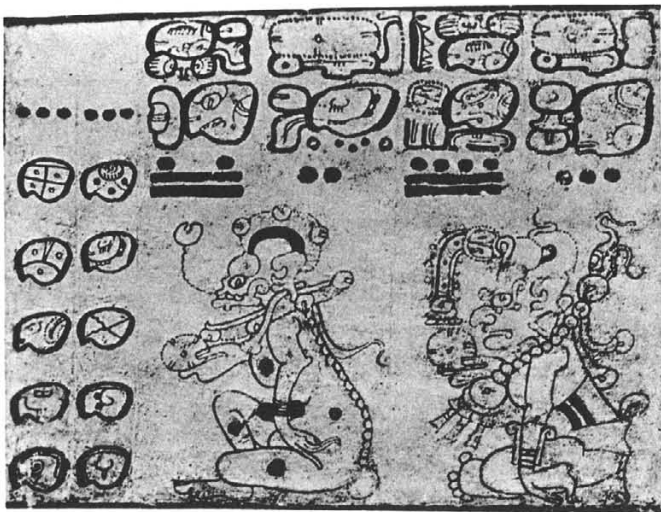
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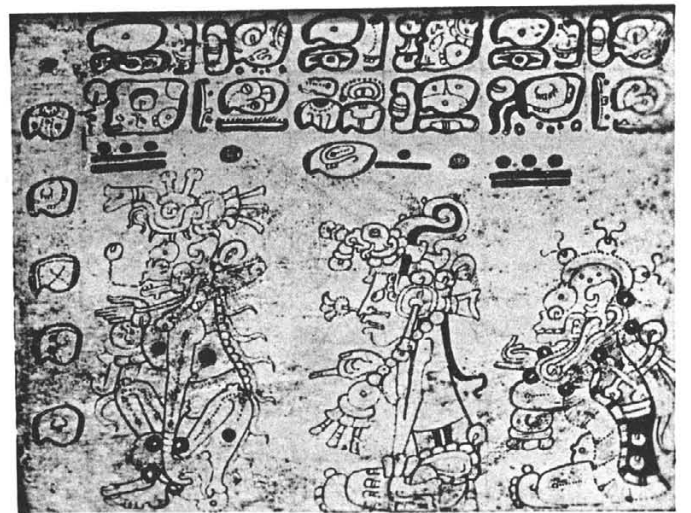
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FIG. 63—FIVE DIVINATORY ALMANACS, CODEX DRESDEN

1. Almanac on Dresden 12c divided into four sections of 65 days each with 13 Chuen starting and finishing point. There are three subdivisions with intervals of 26, 26, and 13 days so that all days have coefficients of 13. Arrangement:

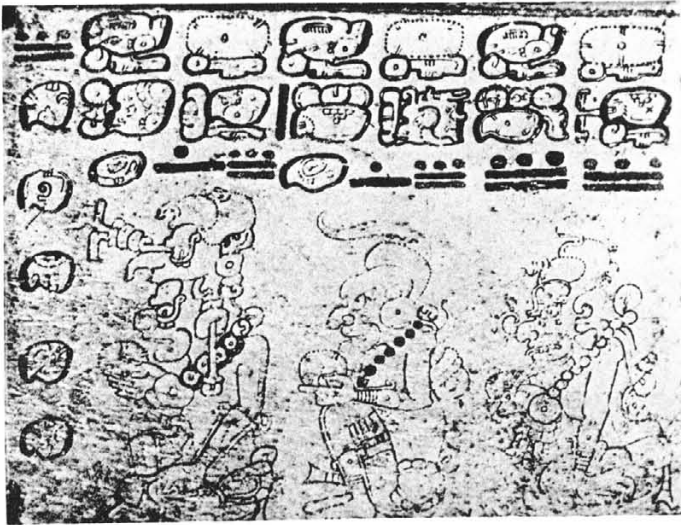
+ 26 = 13 Caban	+ 26 = 13 Akbal	+ 13 = 13 Cib
13 Ik	13 Lamat	13 Imix
13 Manik	13 Ben	13 Cimi
13 Eb	13 Etz'nab	13 Chuen
Picture: God D	Earth god	Sun god
Third glyph: Chicchan	Earth god	Sun god
Fourth glyph: rulership	Maize god	Lightning

Opening glyph in each compartment is a hand glyph of the action group; second glyph is the dotted kin sign with *te* (1) postfix (controls?, gives? light).

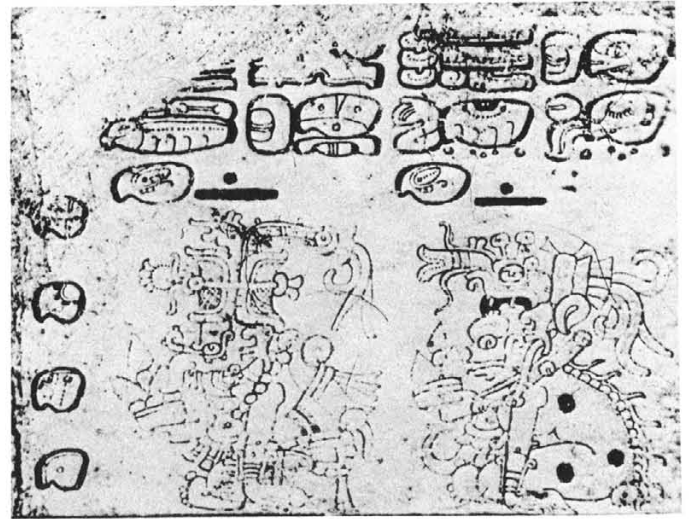
2. Divinatory almanac on Dresden 13a divided into five sections of 52 days each with obliterated Imix as starting and finishing point, and two subdivisions, each of 26 days, but coefficients of days omitted. Portraits of terrestrial snake and death god.
3. Divinatory almanac on Dresden 14a-15a divided into five sections of 52 days each, with 8 Ahau as starting and finishing point, and four subdivisions, each at an interval of 13 days so that every day in cycle appears once with coefficient of 13. Portraits are of maize god, Chicchan god, death god, and sun god. Note repetition of head with Etz'nab infix.
4. Double almanac of 520 days on Dresden 12a divided into 10 sections of 52 days each, with 8 Ahau as starting and finishing point, and two subdivisions with intervals of 27 and 25 days. Coefficients of days are omitted. Auguries for first subdivision, maize and good tidings; for second subdivision, 13 skies and death (*multuntzek?*).
- 5, 6. Divinatory almanac on Dresden 13c-14c divided into 10 sections of 26 days each, with 2 Men as starting and finishing point, and four subdivisions with intervals of 7, 3, 3, and 13 days. Augural glyphs are: misery, ?, ?, good tidings, and abundance.

(Photographs specially taken for this report by Giles G. Healey.)





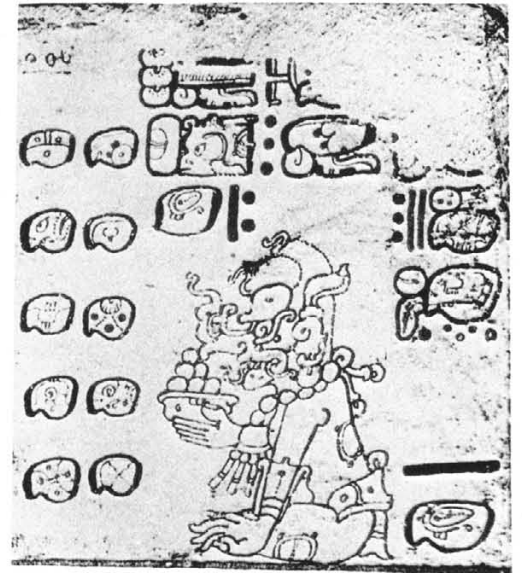
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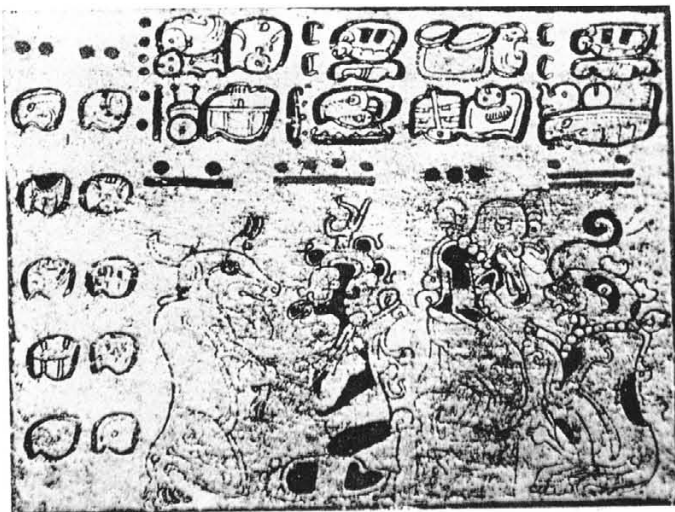
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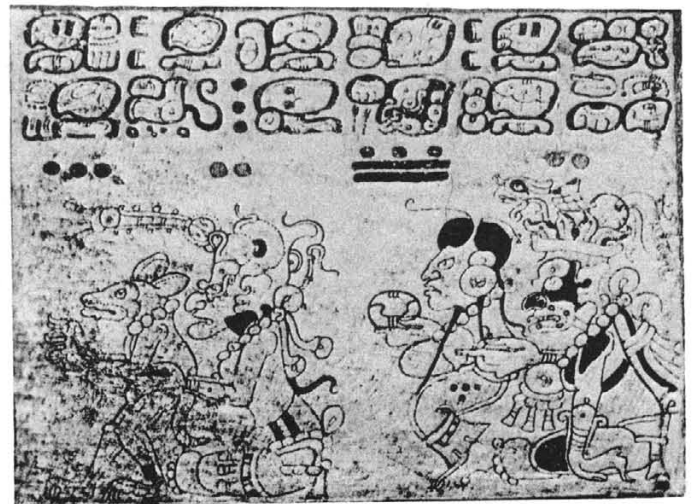
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FIG. 64—CEREMONIES FOR NEW YEAR AND AN ALMANAC AND TABLES

1. Ceremonies held in Uayeb for a new year with Akbal as year bearer on Dresden 27. Note glyph for abundance followed by the *cuch haabil* glyphs at top and, at bottom, glyphs for west, death god, new tun, and drought.
- 2-4. IS, multiplication table, and divinatory almanac forming single chapter, Dresden 43b-45b. On left IS 9.19.8.15.0 reckoned from base at 3 Lamat, 17 uinals and 12 kins before 13.0.0.0.0 4 Ahau 8 Cumku. This gives it the LC position 9.19.7.15.8 3 Lamat (6 Zotz'). Multiplication table is based on same position 3 Lamat. It proceeds at intervals of 78 days until 780 (3×260) days are reached. Some, but not all, subsequent numbers are multiples of 780, but we must not assume that numbers which are not multiples of 780 contain errors, for some are important multiples of 260. Table starts at bottom right on page 44b:

3.18	3 Cimi	( 1 × 78)
7.16	3 Kan	( 2 × 78)
11.14	3 Ik	( 3 × 78)
15.12	3 Ahau	( 4 × 78)
1. 1.10	3 Etz'nab	( 5 × 78)
2. 3. 0	3 Lamat	(10 × 78)
1. 5. 8	3 Cib	( 6 × 78)
1. 9. 6	3 Ix	( 7 × 78)
1.13. 4	3 Eb	( 8 × 78)
1.17. 2	3 Oc	( 9 × 78)
4. 6. 0	3 Lamat	( 2 × 780)
		( 6 × 260)
6. 9. 0	3 Lamat	( 3 × 780)
		( 9 × 260)
9. 7. 0	3 Lamat	(13 × 260)
10.15. 0	3 Lamat	( 5 × 780)
		(15 × 260)
1.16. 2. 0	3 Lamat	(50 × 260)
2. 3. 6. 0	3 Lamat	(20 × 780)
		(60 × 260)
4. 6.12. 0*	3 Lamat	(40 × 780)
		(120 × 260)
8.13. 6. 0†	3 Lamat	( 80 × 780)
		(240 × 260)
10. 2. 4. 0	3 Lamat	(280 × 260)
18. 4. 0. 0	3 Lamat	(168 × 780)
		(504 × 260)
15. 3. 6. 0	3 Lamat	(140 × 780)
		(420 × 260)
1. 1. 0. 6. 0	3 Lamat	(194 × 780)
		(582 × 260)

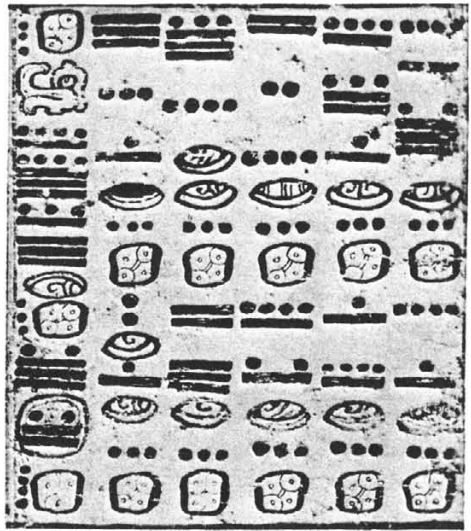
\* Written 4.5.17.0, 260 days earlier.

† Written 9.13.6.0.

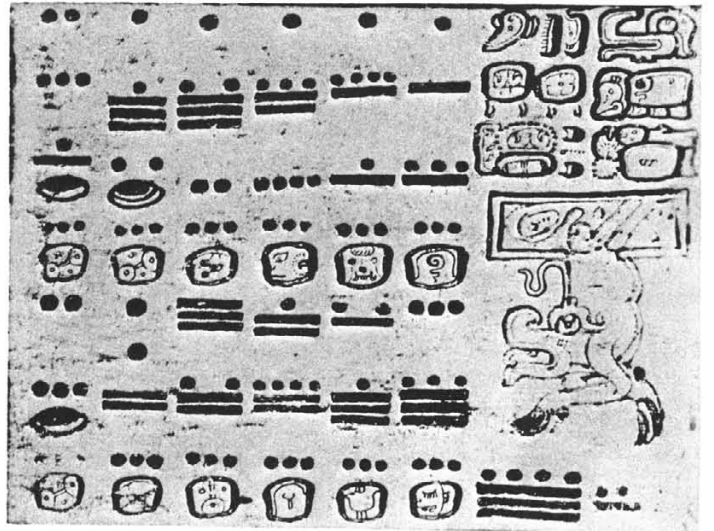
Some rearrangement has been made. The question remains open whether 13×260 is intentional or an error for 8.12.0 (4×780) and whether 4.5.17.0 should be corrected to 4.6.12.0. Similarly, the addition of 260 days to 1.16.2.0 produces 1.16.15.0 (17×780).

This table leads up to a divinatory almanac with pictures of the so-called Mars beasts, which, however, are probably rain animals. The almanac is a triple cycle of 260 days divided into 10 sections, each of 78 days, and the starting days of the sections are those given in the 10 multiples of 78 in the table. Various augural glyphs are given, largely connected with maize, as discussed in the text. The darkness glyph is prominent and probably refers to stormy weather, having no connection here with eclipses.

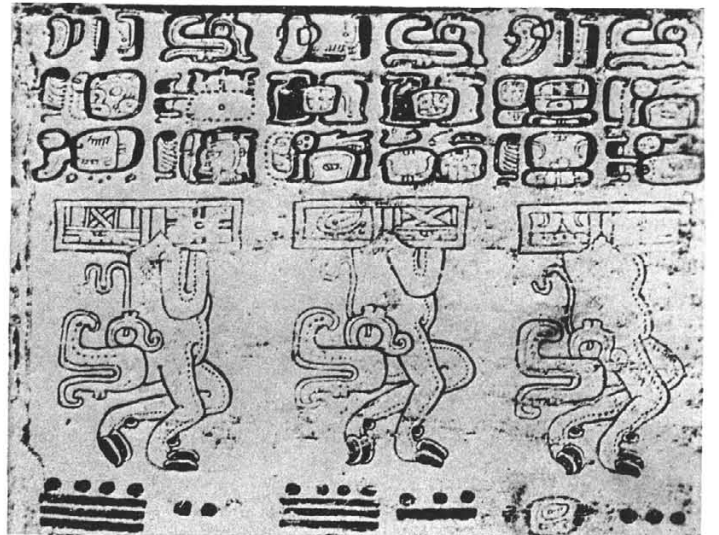
(Photographs specially taken for this report by Giles G. Healey.)



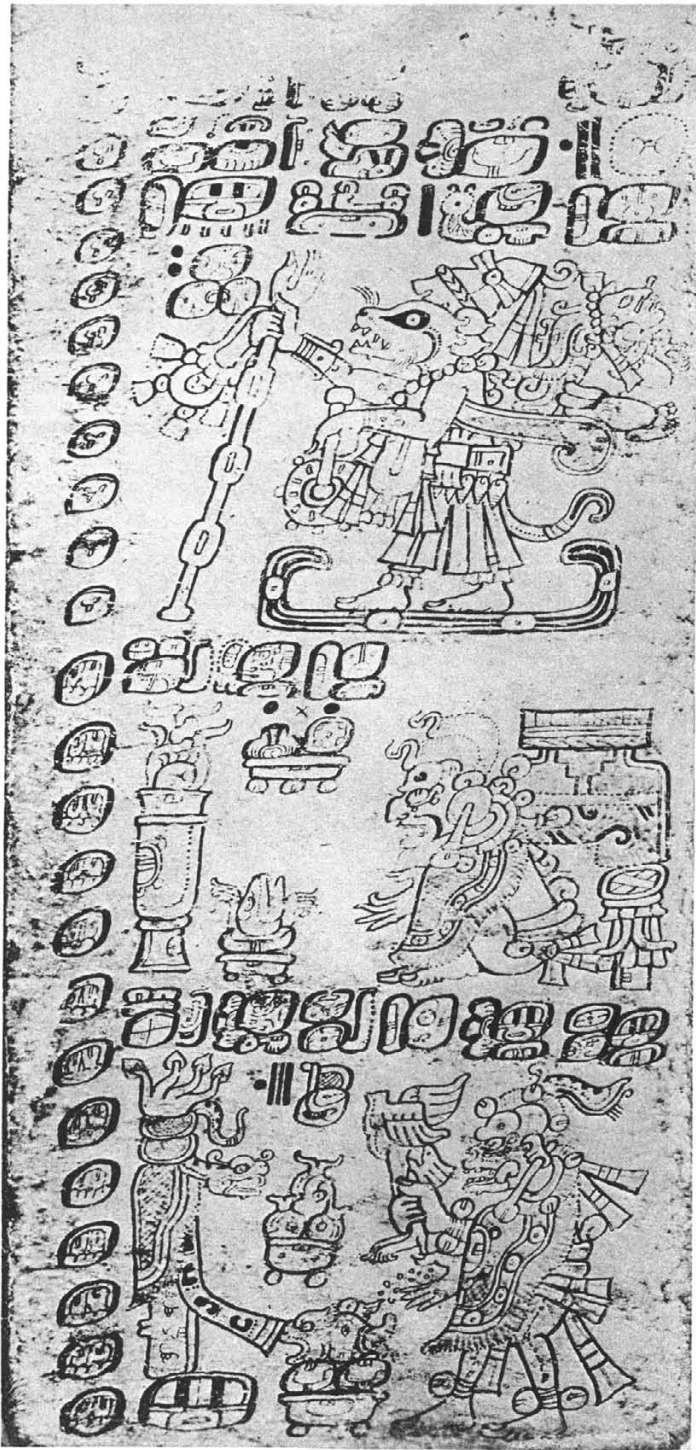
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