

QUIPU AS148

Museum identification: No. VA44866B (Museum für Völkerkunde, Berlin)

Main cord: color B

- § 1.0 cm: group of 2 pendant cords (1-2), then space of 0.5 cm.
 2.0 cm: group of 2 pendant cords (3-4), then space of 2.0 cm.
 4.5 cm: group of 2 pendant cords (5-6), then space of 0.5 cm.
 5.5 cm: group of 2 pendant cords (7-8), then space of 0.5 cm.
 6.5 cm: group of 2 pendant cords (9-10), then space of 0.5 cm.
 7.5 cm: group of 2 pendant cords (11-12), then space of 3.0 cm.
 11.0 cm: group of 2 pendant cords (13-14), then space of 0.5 cm.
 12.0 cm: group of 2 pendant cords (15-16), then space of 0.5 cm.
 13.0 cm: group of 2 pendant cords (17-18), then space of 0.5 cm.
 14.0 cm: group of 2 pendant cords (19-20), then space of 41.5 cm.
 56.0 cm: end ç

| Cord | Knots (no., type, position) | Length | Color | Value | Subsidiaries (no., position) |
|------|------------------------------------|--------|-------------------------|-------|---------------------------------|
| 1 | 1s(5.0);3s(12.0);2s(18.5);7L(24.5) | 37.0 | B | 1327 | |
| 2 | 2s(6.0);6s(19.5) | 23.5b | B | 206? | |
| 3 | 9s(13.0);4s(19.0);1E(25.5) | 39.0ç | B:LC | 941 | |
| 4 | 1s(5.0);8s(13.0);7s(21.5);4L(27.0) | 31.5ç | B | 1874 | |
| 5 | 5s(7.5);6s(15.0);3L(26.0) | 38.0ç | LC | 563 | |
| 6 | 6s(8.0);3s(15.0);8L(25.5) | 63.0ç | B | 638 | |
| 7 | 3s(7.5);7s(18.5);1E(27.0) | 35.0ç | LC | 371 | |
| 8 | 4s(7.0);2s(16.0);8L(25.0) | 38.5ç | B/LB (16.5/ 38.5) | 428 | |

| Cord | Knots (no., type, position) | Length | Color | Value | Subsidiaries (no., position) |
|------|--------------------------------|--------|-------------------------|-------|---------------------------------|
| 9 | 1s(6.5);9s(15.0);8L(26.0) | 39.5ç | LC | 198 | |
| 10 | 5s(7.5);5L(27.5) | 48.0ç | B | 505 | |
| 11 | 1s(6.5);9s(16.5);5L(28.0) | 39.5ç | LB:B | 195 | |
| 12 | 4s(7.0);9s(15.5) | 51.5ç | B/LB (24.5/ 51.5) | 490 | |
| 13 | 3s(7.5) | 17.5b | B | 3?? | |
| 14 | 5s(7.5);3s(19.0);1E(27.5) | 30.5ç | B | 531 | |
| 15 | 2s(7.0);8s(19.5);1E(24.0) | 39.5ç | B | 281 | |
| 16 | 3s(8.0);3s(17.5);2L(23.5) | 26.5ç | B | 332 | |
| 17 | 1s(7.0);5s(18.0);6L(24.5) | 28.5ç | LB:B | 156 | |
| 18 | 4s(7.5);2s(18.0);2L(26.5) | 30.0ç | LC | 422 | |
| 19 | 1s(7.0);2s(15.5);5L(24.0) | 41.5ç | B | 125 | |
| 20 | 5s(7.0);9s(18.0);9L(23.0) | 32.0ç | LC | 599 | |

Observations

1. AS147-AS149 are associated in that they were all designated by the same Museum number. They were acquired by the Museum in 1907 with provenance Ocucaje. For a comparison of them, see AS147.
2. By spacing, the quipu is separated into 3 parts. Part 1 is 2 pairs of pendants and parts 2 and 3 are each 4 pairs of pendants.
3. The values in part 1 are the sums of values in parts 2 and 3. Assuming that the value of P2 is 2061 and the value of P13 is 379, with an exception of 1

in 1 digit, the first pair in part 1 are the sums, position by position, of the pairs in part 2, and the second pair in part 1 are the sums of the pairs in part 3. Namely,

$$\sum_{i=1}^4 P_{2ij} = P_{11j} \quad j=1,2$$

$$\sum_{i=1}^4 P_{3ij} = P_{12j} \quad j=1,2$$

where P_{kij} is the value of the pendant in the j^{th} position of the i^{th} group of the k^{th} part.

4. In all 10 pairs, the value of the second pendant is larger than the first.

It is also larger than the first value in the next pair. Thus,

$$P_{2i} > P_{2i-1} \quad i=1, \dots, 10 \quad \text{and}$$

$$P_{2i} > P_{2i+1} \quad i=1, \dots, 9$$

where P_i is the value of the i^{th} pendant on the quipu.