## QUIPU AS117

Museum identification:  No. VA47118 (Museum Für Völkerkunde, Berlin)

Main cord:  color AB:W

    $ 1.0 cm:  group of 3 pendant cords (1-3), then space of 4.0 cm.

    6.0 cm:  group of 2 pendant cords (4-5), then space of 0.5 cm.

    7.0 cm:  pendant cord (6), then space of 1.0 cm.

    8.0 cm:  group of 2 pendant cords (7-8), then space of 0.5 cm.

    9.0 cm:  pendant cord (9), then space of 0.5 cm.

    9.5 cm:  pendant cord (10), then space of 0.5 cm.

  10.0 cm:  pendant cord (11), then space of 29.0 cm.

  39.0 cm:  end ¢

| Cord | Knots (no., type, position) | Length | Color | Value | Subsidiaries (no., position) |
|---|---|---|---|---|---|
| 1 | 4s(8.0); 2s(15.0); 9L(21.0) | 43.0¢ | W | 429 | |
| 2 | 1s(9.0); 1s(16.5) | 25.5b | SB | 110 | |
| 3 | 4s(9.0); 2s(15.0); 3s(21.0) | 50.5¢ | AB | 423(?) | |
| 4 | 6L(7.5) | 32.5¢ | AB | 6 | |
| 5 | 1E(6.0) | 34.0¢ | SB | 1 | |
| 6 | 5L(7.5) | 38.0¢ | AB | 5 | |
| 7 | 6L(7.0) | 34.5¢ | AB | 6 | |
| 8 | 1E(6.5) | 42.5¢ | SB | 1 | |
| 9 | 3L(7.0) | 41.0¢ | AB | 3 | |
| 10 | 1E(6.5) | 39.5¢ | AB | 1 | |
| 11 | 1E(6.0) | 39.5¢ | AB | 1 | |

## Observations

1. This is one of several quipus acquired by the Museum in 1907 with provenance Ica. For a list of them, see AS100.

2. Some values on the quipu are sums of values on later consecutive pendants. Namely,

$$P_1 = P_3 + P_4$$

$$P_4 = P_5 + P_6$$

$$P_6 = P_9 + P_{10} + P_{11}$$

$$P_7 = P_8 + P_9 + P_{10} + P_{11}$$

One value is the sum of the squares of values on later consecutive pendants:

$$P_2 = \sum_{i=4}^{11} P_i^2$$