

QUIPU AS164

Museum identification: No. VA47113 (Museum für Völkerkunde, Berlin)

Main cord: color W

\$ 2.0 cm: group of 4 pendant cords (1-4), then space of 2.0 cm.

6.0 cm: group of 6 pendant cords (5-10), then space of 1.5 cm.

10.0 cm: group of 6 pendant cords (11-16), then space of 2.0 cm.

14.0 cm: group of 6 pendant cords (17-22), then space of 18.0 cm.

34.0 cm: end ç

Cord	Knots (no., type, position)	Length	Color	Value*	Subsidiaries (no., position)
1	2s(11.0);2L(20.0)	32.0ç	W	22	1:0.5
1s1	5s(13.5);9L(22.5)	29.0ç	B	59	
2	3s(14.0);7L(19.5)	28.5ç	W	37	1:0.5
2s1	9s(11.0)	18.5b	LC	9?	
3	5s(9.5);5L(14.5)	27.0ç	W	55	1:0.5
3s1	4s(9.0);7L(13.0)	23.0ç	BS	47	
4	3s(8.0);4L(14.0)	26.5ç	W	34	2:0.0-0.5
4s1	4s(9.5)	28.0ç	LC	40	
4s2	5s(10.0)	35.0ç	DB	50	
5	7L(9.5)	24.0ç	W	7	1:0.5
5s1	9L(8.5)	23.5ç	BS	9	
6	8L(8.5)	23.5ç	W	8	1:0.5
6s1	8L(7.0)	23.5ç	BS	8	
7	8L(8.0)	22.5ç	W	8	1:0.5
7s1	5L(6.5)	22.0ç	BS	5	

Cord	Knots (no., type, position)	Length	Color	Value*	Subsidiaries (no., position)
8	1s(7.0);4L(12.0)	29.5¢	W	14	1:0.5
8s1	1s(7.0);1E(12.5)	24.0¢	BS	11	
9	1s(7.0)	35.5¢	W	10	1:0.5
9s1	8L(7.5)	21.5¢	BS	8	
10	6L(8.0)	26.5¢	W	6	1:0.5
10s1	9L(7.5)	24.0¢	BS	9	
11	9L(8.5)	24.0¢	B	9	
12	7L(8.5)	28.0¢	B	7	
13	3L(9.5)	30.0¢	B	3	
14	8L(10.0)	28.0¢	B	8	
15	8L(10.5)	24.0¢	B	8	
16	5L(11.5)	34.0¢	B	5	
17	2s(9.5);1E(15.5)	34.0¢	W	21	
18	1s(9.0);1EE(13.0)	32.5¢	W	11	
19	1s(9.0)	37.0¢	W	10	
20	2s(9.0)	36.0¢	W	20	
21	1s(8.0);3L(16.0)	32.5¢	W	13	
22	9L(9.5)	26.0¢	W	9	

Observations

- 1.* Construction note: The positioning of the knot clusters is not standard. Rather than having all long knot clusters aligned and all single knot clusters aligned, the first knot cluster used is in the highest position. Values have been assigned assuming that the knot cluster positions are "top justified" rather than the usual which is "bottom justified." For example, we usually write numbers "right justified" but can write them "left justified" also. Thus:

$$\begin{array}{r|l} 541 & \\ 23 & \\ 47 & \end{array} \qquad \begin{array}{l|l} 541 & \\ 23 & \\ 47 & \end{array}$$

right justified left justified

2. This is one of several quipus acquired by the Museum in 1907 with provenance Ica. For a list of them, see AS100.
3. The positioning of knot clusters discussed in #1 above, is also found on AS146. (AS146 has the same Museum acquisition designation.)
4. By spacing, the quipu is separated in 4 groups of 4, 6, 6, 6 pendants respectively. Each group is unified by having all pendants the same color: pendants in groups 1, 2, and 4 are all W; pendants in group 3 are B. There is one BS subsidiary on each pendant in group 2, no subsidiaries in groups 3 and 4, and 1 or 2 subsidiaries on each pendant in group 1.
5. Group 1 differs from the other 3 groups by the number of pendants, the varied colors of subsidiaries, and every pendant value is greater than any value in the other 3 groups. At least 3 of the subsidiary values are sums of values in other groups. Specifically,

$$P_{11}s_1 = \sum_{i=1}^4 P_{i1} \quad \text{--} \quad P_{14}s_1 = \sum_{j=1}^6 P_{3j} \quad \text{--} \quad P_{14}s_2 = \sum_{j=1}^6 P_{2j}s_1$$