

QUIPU AS126

Museum identification: No. VA47095 (Museum Für Völkerkunde, Berlin)

Main cord: color CB:W

- ç 7.5 cm: group of 10 pendant cords (1-10), then space of 1.0 including marker (M1)
- 13.5 cm: group of 10 pendant cords (11-20), then space of 1.0 including marker (M2)
- 19.5 cm: group of 10 pendant cords (21-30), then space of 1.0 including marker (M3)
- 25.5 cm: group of 10 pendant cords (31-40), then space of 1.0 including marker (M4)
- 31.5 cm: group of 10 pendant cords (41-50), then space of 1.0 including marker (M5)
- 37.0 cm: group of 10 pendant cords (51-60), then space of 4.0 including marker (M6)
- 47.0 cm: group of 4 pendant cords (61-64), then space of 1.0 including marker (M7)
- 50.0 cm: group of 4 pendant cords (65-68), then space of 1.0 including marker (M8)
- 54.5 cm: group of 4 pendant cords (69-72), then space of 1.0 including marker (M9)
- 58.0 cm: group of 4 pendant cords (73-76), then space of 1.0 including marker (M10)
- 61.5 cm: group of 4 pendant cords (77-80), then space of 1.0 including marker (M11)

Main cord: color CB:W

ç 65.0 cm: group of 6 pendant cords (81-86), then space of 29.0 cm.

97.0 cm: group of 6 pendant cords (87-92), then space of 49.5 cm.

147.5 cm: pendant cord (93), then space of 5.5 cm.

153.0 cm: end ç

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
1	2s(19.0); 1E(25.5)	41.0ç	CB-W	21	1:10.0
1s1	1E(15.0)	30.5ç	CB	1	
2	2s(19.0)	40.0ç	CB-W	20	1:0.5
2s1	1E(21.0)	26.5	W/B (18.5/26.5)	1	
3	2s(18.0); 1E(25.0)	42.5ç	CB-B	21	1:0.5
3s1	1E(24.0)	32.0	W/B (17.5/32.0)	1	
4	1s(18.0); 2L(24.5)	35.0ç	CB-W	12	1:0.5
4s1	--	30.0	W/B (14.5/30.0)	0	
5	2s(18.0)	37.5ç	CB-B	20	1:0.5
5s1	--	38.5ç	W/B (21.0/38.5)	0	
6	1s(17.5); 2L(25.0)	41.0ç	CB-B	12	1:0.5
6s1	--	33.5ç	W/B (19.5/33.5)	0	
7	2s(16.5)	37.0ç	CB-B	20	1:0.5
7s1	--	25.0	W/B (12.0/25.0)	0	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
8	1s(15.5); 2L(23.0)	34.5¢	CB-B	12	2:0.0-0.5
8s1	1E(23.5)	34.0¢	W	1	
8s2	--	24.0	W/B (8.5/24.0)	?	
9	2s(17.0)	42.0¢	CB-B	20	1:0.5
9s1	--	26.0	W/B (11.5/26.0)	0	
10	1s(16.0); 2L(24.5)	36.5¢	CB-B	12	1:0.5
10s1	--	24.0	W/B (12.0/24.0)	?	
M1	--	1.0¢	B	0	
11	2s(16.5); 1E(26.5)	33.0¢	DB-W	21	
12	2s(16.5)	36.0¢	DB-W	20	
13	2s(15.5); 1E(25.5)	33.0¢	DB-W	21	
14	1s(15.0); 2L(25.5)	34.5¢	DB-W	12	
15	2s(15.5)	39.0¢	DB-W	20	
16	1s(15.5); 2L(25.5)	40.0¢	DB-W	12	
17	2s(15.0)	35.5¢	DB-W	20	
18	1s(14.5); 2L(25.5)	38.0¢	DB-W	12	
19	2s(15.0)	34.5¢	DB-W	20	
20	1s(14.0); 2L(25.5)	43.5¢	DB-W	12	
M2	--	1.0¢	B	0	
21	2s(15.0); 1E(25.0)	51.5¢	CB-W	21	
22	2s(14.5)	53.5¢	CB-W	20	
23	2s(13.5); 1E(24.0)	53.5¢	GG	21	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
24	1s(12.5); 2L(24.0)	53.5¢	CB-W	12	
25	2s(13.0)	48.5¢	CB-W	20	
26	1s(12.0); 2L(23.0)	36.5¢	CB-W	12	
27	Missing				
28	1s(12.0); 2L(24.0)	40.0¢	CB-W	12	
29	2s(12.0)	57.5¢	CB-W	20	
30	1s(12.0); 2L(23.5)	53.0¢	CB-W	12	
M3	--	1.0¢	B	0	
31	2s(10.5); 1E(23.5)	37.0	CB-W	21	
32	2s(10.5)	39.0¢	CB-W	20	
33	2s(12.0); 1E(25.5)	37.5¢	CB-W	21	
34	1s(11.5); 2L(24.0)	42.5¢	CB-W	12	
35	2s(11.0)	37.5¢	CB-W	20	
36	1s(10.5); 2L(23.5)	38.5¢	CB-W	12	
37	2s(10.0)	39.5¢	CB-W	20	
38	1s(10.5); 2L(22.5)	39.5¢	CB-W	12	
39	2s(10.5)	39.5¢	CB-W	20	
40	1s(10.5); 2L(22.5)	39.0	CB-W	12	
M4	--	1.0¢	B	0	
41	2s(10.0)	32.5¢	CB	20	
42	2s(10.0)	34.5¢	CB	20	
43	2s(10.0)	33.0¢	CB	20	
44	1s(9.5); 2L(21.5)	28.5¢	CB	12	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
45	1s(9.0); 2L(21.0)	31.5¢	CB	12	
46	2s(9.5)	35.5¢	CB	20	
47	1s(9.0); 2L(21.0)	29.5¢	CB	12	
48	1s(8.5); 2L(21.5)	29.0¢	CB	12	
49	1s(10.0); 1E(22.0)	33.0¢	CB	11	
50	1s(9.0); 1E(21.0)	36.5¢	CB	11	
M5	--	1.0¢	B	0	
51	2s(9.0); 1E(21.0)	38.0¢	DB-W	21	
52	2s(9.5); 1E(21.5)	34.0¢	DB-W	21	
53	2s(9.0)	42.5¢	DB-W	20	
54	1s(8.5); 2L(21.5)	35.5¢	DB-W	12	
55	2s(8.5)	42.0¢	DB-W	20	
56	1s(8.5); 2L(21.5)	37.0¢	DB-W	12	
57	2s(9.5)	38.0¢	DB-W	20	
58	1s(9.0); 2L(22.0)	39.5¢	DB-W	12	
59	2s(9.0)	36.0¢	DB-W	20	
60	1s(9.0); 2L(21.0)	32.0¢	DB-W	12	
M6	--	1.0¢	B	0	
61	5s(9.5)	30.0¢	CB-W	50	1:0.5
61s1	9L(11.5); 1E(20.0)	44.5¢	B	9+1	
62	5s(9.5)	32.0¢	CB-W	50	2:0.0-0.5
62s1	2s(8.5)	33.0¢	B-W	20	
62s2	8L(11.0)	15.5¢	BS/W (8.0/15.5)	8	1:0.5

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
62s2s1	7L(9.0)	13.5¢	B:CB/B (9.0/13.5)	7	
63	5s(11.0)	31.0¢	CB-W	50	3:0.0-0.5
63s1	2L(18.0)	33.5¢	W	2	
63s2	2s(8.5)	32.0¢	B-W	20	
63s3	1E(16.0)	29.5¢	DB:GG	1	
64	6s(10.5); 5L(20.5)	25.5¢	CB-W	65	1:0.5
64s1	2s(10.5); 1E(20.5)	32.0	B:CB	21	1:0.5
64s1s1	2L(18.5)	30.0	B	2	
M7	--	1.0¢	B	0	
65	5s(10.0)	29.0	CB-W	50	2:0.0-0.5
65s1	4L(8.0); 2L(12.0)	18.5¢	GG/BS (?/18.5)	4+2	
65s2	2L(9.0)	38.5¢	B-W	2	
66	5s(9.5)	36.0	CB-W	50	2:0.0-0.5
66s1	1s(9.0)	35.5¢	DB:W	10	
66s2	3L(10.0)	16.0¢	BS/W	3	1:0.5
66s2s1	3L(10.5)	17.0¢	B:CB/B (10.5/17.0)	3	
67	5s(9.5)	30.0¢	CB-W	50	1:0.5
67s1	2L(19.0)	43.5¢	W	2	
68	5s(10.0); 2L(24.0)	34.5¢	CB-W	52	1:0.5
68s1	2L(18.0)	45.5¢	DB:CB	2	1:0.5
68s1s1	1E(19.0)	24.5¢	B	1	
M8	--	1.0¢	CB	0	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
69	2s(9.0)	35.5¢	DB-W	20	1:0.5
69s1	2L(14.0); 3L(19.5)	33.0¢	B	2+3	
70	3s(9.5)	36.0¢	DB-W	30	2:0.0-0.5
70s1	1E(21.0)	32.5¢	B/W (16.0/32.5)	.1	1:0.5
70s1s1	1E(19.0)	26.0¢	B:CB/B (14.0/26.0)		
70s2	1s(8.0)	31.5¢	DB:W	10	
71	3s(9.5)	33.0¢	DB-W	30	1:0.5
71s1	2s(8.0)	32.5¢	DB:W	20	
72	2s(10.5); 2L(23.0)	34.5¢	DB-W	22	1:0.5
72s1	2s(11.0)	44.5¢	DB:CB	20	1:0.5
72s1s1	1E(18.5)	29.0¢	B	1	
M9	--	1.0¢	CB	0	
73	4s(10.0)	40.0¢	CB-W	40	2:0.0-0.5
73s1	6L(23.0); 2L(29.0)	38.0¢	DB:W	6+2	
73s2	1s(8.0); 2L(18.5)	35.0¢	B	12	
74	Missing				
75	5s(10.0)	36.5¢	CB-W	50	2:0.0-0.5
75s1	1E(19.0)	35.0¢	W	1	
75s2	1E(17.5)	27.0¢	DB:GG	1	
76	5s(9.5); 3L(26.0)	35.5¢	CB-W	53	1:0.5
76s1	9s(11.5)	26.5¢	DB:CB	90	1:0.5
76s2	1E(19.5)	28.0¢	B	1	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
M10	--	1.0¢	CB	0	
77	3s(9.5)	32.0¢	B-W	30	2:0.0-0.5
77s1	1s(7.5)	31.0¢	DB:W	10	
77s2	2L(17.0)	27.5¢	B	2	
78	4s(9.5)	29.0¢	B-W	40	2:0.0-0.5
78s1	2s(8.0)	31.5¢	DB:W	20	
78s2	1E(18.0)	23.5¢	W/B (15.5/23.5)	1	1:0.5
78s2s1	1E(15.0)	29.5	B:CB/B (15.0/29.5)	1	
79	3s(10.0)	34.5¢	B-W	30	
80	5s(10.5)	29.0¢	B-W	50	1:0.5
80s1	1s(9.0); 5L(18.5)	35.5¢	B:CB	15	
M11	--	1.0¢	CB	0	
81	6s(10.5)	35.0¢	GG-W	60	1:0.5
81s1	3L(8.0); 2L(13.0)	22.0¢	GG/B (12.0/22.0)	3+2	
82	1s(10.0)	30.5¢	DB:W	10	
83	4s(10.0)	36.5¢	GG-W	40	1:0.5
83s1	2L(20.0)	33.5¢	B-W	2	1:0.5
83s1s1	3L(16.5)	19.5¢	B:CB/B (13.5/19.5)	3	
84	2s(10.0)	26.5¢	DB:W	20	
85	4s(10.5)	34.0¢	GG-W	40	1:0.5
85s1	1E(20.5)	37.0¢	W	1	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
86	6s(11.0)	34.5ç	GG-W	60	2:0.0-0.5
86s1	2s(9.0)	16.0b	B:CB	2?	
86s2	--	11.5b	B	?	
87	1s(4.0); 7s(11.5) 4L(21.5)	29.5ç	CB	174	
88	1s(4.0); 1s(11.0); 5L(22.5)	34.0ç	DB-GG	115	
89	1s(4.0); 5s(11.5); 3L(22.0)	35.5ç	DB-GG	153	
90	6s(11.5); 2L(21.5)	35.5ç	DB-GG	62	
91	1s(4.0); 3s(11.0); 4L(21.5)	29.5ç	DB-GG	134	
92	2s(4.5); 1s(11.5); 4L(22.0)	32.0ç	DB-GG	214	
93	1E(20.0)	25.0ç	CB/W/B (12.0/18.0/25.0)	1	

Observations

1. This is one of several quipus acquired by the Museum in 1907 with provance Ica. For a list of them, see AS100.
2. By spacing, the quipu is separated into 3 parts. By spaces smaller than that between the parts and by markers, part 1 is separated into 6 groups of 10 pendants each, and part 2 is 6 groups of 4 pendants each (with 2 additional pendants in the last group). Part 3 is 1 group of 6 pendants.
3. Each group is unified by color. In part 1: group 1 is CB-W or CB-B; groups 2 and 6 are DB-W; groups 3 and 4 are CB-W; and group 5 is CB. The markers between them

are short B cords. In part 2: groups 1, 2, and 4 are CB-W; group 3 is DB-W; and group 5 is B-W. In group 6, 4 of the pendants are GG-W and 2 additional pendants (1 between positions 1 and 2, and the other between positions 2 and 3) are DB:W. In part 3, with the exception of the first pendant, the group is DB-GG.

4. In part 1 (assuming that the missing P27 had value 20):

a) The only pendant values are 11, 12, 20, and 21 and the subsidiary values are 0 or 1.

b) The 60 pendant values sum to 1000.

c) All the values in corresponding positions are the same for groups 1, 2, 3, and 4. With the exception of the interchange of values in positions 2 and 3, the values in group 6 are also the same.

5. In part 2 (assuming that the missing P74 had value 40):

a) The only pendant values in positions 1-3 of all groups are 20, 30, 40, 50, 60.

b) The sum of the values in each of the first 3 positions in the 6 groups is 250.

That is,

$$\sum_{i=1}^6 P_{i1} = \sum_{i=1}^6 P_{i2} = \sum_{i=1}^6 P_{i3} = 250$$