

## QUIPU AS170

Museum identification: VA42554 (Museum für Völkerkunde, W. Berlin)

Main cord: color B

- § 2.0 cm: group of 4 pendant cords (1-4), then space of 1.5 cm.  
 4.5 cm: group of 4 pendant cords (5-8), then space of 1.5 cm.  
 7.0 cm: group of 7 pendant cords (9-15), then space of 1.0 cm.  
 9.5 cm: group of 7 pendant cords (16-22), then space of 0.5 cm.  
 11.5 cm: group of 7 pendant cords (23-29), then space of 0.5 cm.  
 13.5 cm: group of 7 pendant cords (30-36), then space of 0.5 cm.  
 15.5 cm: group of 7 pendant cords (37-43), then space of 0.5 cm.  
 17.5 cm: group of 7 pendant cords (44-50), then space of 0.5 cm.  
 19.5 cm: group of 7 pendant cords (51-57), then marker (M1)  
 21.0 cm: group of 7 pendant cords (58-64), then space of 0.5 cm.  
 23.0 cm: group of 6 pendant cords (65-70), then space of 1.0 cm.  
 25.5 cm: group of 6 pendant cords (71-76), then space of 0.5 cm.  
 27.0 cm: group of 7 pendant cords (77-83),  
 29.0 cm: group of 6 pendant cords (84-89), then space of 0.5 cm.  
 31.0 cm: group of 6 pendant cords (90-95), then space of 1.0 cm.  
 33.0 cm: group of 5 pendant cords (96-100), then space of 29.0 cm.  
 63.0 cm: end ç

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
1	--	52.0ç	B	0	
2	--	55.0ç	B	0	
3	2s(11.0)	47.5ç	B	200	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
4	2s(11.0)	49.0¢	B	200	
5	7s(8.0); 6s(15.5); 2s(20.5)	57.0¢	LC	760+20	
6	6s(3.0); 8s(10.5); 5s(15.5)	43.5¢	BW-W	6850	
7	4s(7.5); 4s(14.0); 5L(26.5)	70.5	LC	440+5	
8	1s(1.0); 1s(3.0); 5s(8.5); 4s(15.5); 4L(22.0)	44.5¢	BS-W	11544	
9	6L(20.0); 3L(24.0)	34.5¢	LC	6+3	1:1.0
9s1	5s(13.5)	35.0¢	B:LC	50	
10	7s(8.5)	38.0¢	BS-W	700	1:0.5
10s1	1s(7.0); 3s(13.0); 7L(17.5)	47.5¢	BS-W	137	
11	3s(8.0); 4s(15.0)	43.5¢	B-W	340	1:1.0
11s1	4s(13.0)	35.0¢	B-W	40	
12	6s(15.5); 7L(21.0)	36.0¢	GØ/BS (12.5/36.0)	67	
13	3s(15.0); 3L(20.0)	49.5¢	MB/W (11.0/49.5)	33	
14	1s(8.5); 3s(14.5); 3L(20.0)	35.0¢	ØD/W (11.5/35.0)	133	
15	1s(9.0); 7L(20.0)	41.5¢	W/ØD (20.0/41.5)	107	
16	8L(20.0)	39.5¢	LC	8	1:1.0
16s1	3s(12.5)	41.5¢	B:LC	30	1:1.0
16s1s1	--	32.0¢	BW:B:LC	0	
17	7s(9.0); 6s(16.5)	43.5¢	BS-W	760	1:0.5

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
17s1	1s(7.0); 2s(14.0)	50.0¢	BS-W	120	
18	3s(8.5); 5s(16.0)	33.0¢	B-W	350	1:1.0
18s1	--	6.5b	B	?	
19	1s(9.0); 5s(15.5)	38.0¢	GØ/BS (10.5/38.0)	150	
20	5s(16.5)	46.0¢	MB/W (10.0/46.0)	50	
21	5s(15.5)	34.5¢	ØD/W (12.5/34.5)	50	
22	1s(9.0); 3s(16.0)	43.5¢	W/ØD (18.5/43.5)	130	
23	9L(21.5)	40.0¢	LC	9	
24	1s(8.0); 4s(15.5)	44.0¢	BS-W	140	
25	--	53.5¢	B-W	0	
26	--	50.5¢	GØ/BS (13.0/50.5)	0	
27	--	57.5¢	MB/W (8.0/57.5)	0	
28	--	46.5¢	ØD/W (12.5/46.5)	0	
29	--	27.0b	W	0	
30	4L(20.0)	46.0¢	LC	4	
31	1s(4.5); 1s(9.5); 1s(15.0); 7L(19.5)	47.0¢	BS-W	1117	1:1.5
31s1	1s(7.0); 5s(13.5)	51.0¢	BS-W	150	
32	--	41.5¢	B-W	0	1:1.0
32s1	2s(8.0); 5s(14.0)	31.5¢	B-W	250	1:0.5

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
32s1s1	1s(13.0); 3L(21.0)	51.0¢	B-W	13	
33	2s(15.5)	37.0¢	GØ/BS (15.5/37.0)	20	1:0.5
33s1	2s(14.0)	43.5¢	DB:W	20	
34	--	55.0¢	MB/W (7.5/55.0)	0	
35	2s(15.0)	42.0¢	ØD/W (12.5/42.0)	20	
36	--	46.0b	W/FB (41.0/46.0)	0	
37	1s(14.0); 9L(20.0); 1s(24.5); 2L(26.5)	36.0¢	LC	19+12	
38	1s(5.0); 1s(9.0); 4s(15.0); 3L(20.0)	38.5¢	BS-W	1143	1:1.0
38s1	1s(8.0); 2s(14.0); 3L(19.5)	58.5¢	BS-W	123	
39	2s(14.0); 3L(20.0)	48.0¢	B-W	23	1:1.5
39s1	2s(12.0)	33.0¢	B-W	20	
40	--	46.5¢	GØ/BS (12.0/46.5)		
41	--	48.5¢	MB/W (7.0/48.5)	0	
42	--	41.0¢	ØD/W (13.0/41.0)	0	
43	--	30.5b	W/FB (30.0/30.5)	0	
44	3L(21.5); 4L(26.5)	34.5¢	LC	3+4	
45	2s(9.0); 4s(13.5)	39.0¢	BS-W	240	
46	--	50.0¢	B-W	0	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
47	--	48.0¢	GØ/BS (11.5/48.0)	0	
48	--	54.0¢	MB/W (6.0/54.0)	0	
49	--	41.5¢	ØD/W (12.0/41.5)	0	
50	--	49.5¢	W/ØD (26.0/49.5)	0	
51	3L(19.5)	42.0¢	LC	3	
52	2s(9.0); 8s(14.5); 1E(19.0)	33.5¢	BS-W	281	1:0.5
52s1	5s(13.0); 2L(17.5)	56.0¢	BS-W	52	
53	6s(15.0)	31.0¢	B-W	60	1:0.5
53s1	4L(19.0)	36.0¢	B-W	4	
54	1s(15.0)	47.5¢	GØ/BS (11.0/47.5)	10	
55	--	45.5¢	MB/W (7.5/45.5)	0	
56	--	41.0¢	ØD/W (12.5/41.0)	0	
57	2s(14.5); 2L(20.5)	21.0b	W/FB (20.5/21.0)	2(2+)?	
M1			YB		
58	5L(18.5); 2L(26.5)	35.0¢	LC	5+2	
59	1s(9.0); 1s(13.5)	42.5¢	BS-W	110	
60	--	42.5¢	B-W	0	
61	--	47.5¢	GØ/BS (12.0/47.5)	0	
62	--	46.0¢	MB/W (9.5/46.0)	0	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
63	--	37.5¢	ØD/W (11.0/37.5)	0	
64	--	30.5b	W/FB (29.0/30.5)	0	
65	5L(18.0)	34.5¢	LC	5	
66	1s(4.0); 3s(9.0); 3s(14.5)	32.5¢	BS-W	1330	
67	--	39.5¢	B-W	0	
68	--	31.0b	GØ/BS (8.0/31.0)	0	
69	--	43.5¢	MB/W (7.0/43.5)	0	
70	--	52.0¢	W/ØD (26.5/52.0)	0	
71	1s(15.5); 1E(19.5); 2L(25.0)	34.5¢	LC	11+2	
72	4s(9.0); 1s(15.5); 5L(20.0)	38.5¢	BS-W	415	
73	7s(16.0); 5L(19.0)	23.0¢	B-W	75	1:1.0
73s1	3s(14.0); 2L(17.5)	25.5¢	B-W	32	
74	2s(16.0)	39.0¢	GØ/BS (12.5/39.0)	20	
75	--	42.0¢	MB/W (6.5/42.0)	0	
76	3s(16.0); 6L(21.0)	41.0¢	W/ØD (21.0/41.0)	36	
77	1s(15.0); 2L(19.0)	38.0¢	LC	12	
78	5s(8.0); 4s(14.5); 8L(20.0)	45.0¢	BS-W	548	1:0.5

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
78s1	5s(15.0); 9L(20.5)	39.0¢	BS-W	59	
79	1s(8.0); 2s(15.0); 5L(20.0)	33.0¢	B-W	125	1:0.5
79s1	3s(14.0); 4L(18.5)	45.0¢	B:W	34	
80	1s(7.5); 8s(15.0); 9L(16.5)	21.0¢	GØ/BS (12.5/21.0)	189	1:0.5
80s1	4s(13.0); 4L(18.5)	36.0¢	DB:W	44	
81	1s(14.0); 2L(19.5)	37.5¢	MB/W (4.0/37.5)	12	1:0.5
81s1	1s(12.5); 7L(17.5)	32.0¢	B-LC	17	
82	--	43.0¢	ØD/W (14.0/43.0)	0	
83	1s(13.5)	53.5¢	W/ØD (27.0/53.5)	10	
84	5L(19.0); 2L(23.0)	33.0¢	LC	5+2	
85	3s(9.5); 5s(15.5); 5L(19.5)	26.0¢	BS-W	355	1:0.5
85s1	6s(14.0); 9L(21.0)	42.5¢	BS-W	69	
86	1s(9.0); 4s(14.0); 6L(18.5)	23.0¢	B-W	146	1:0.5
86s1	2s(13.0); 3L(18.0)	32.5¢	B-W	23	
87	1s(8.5); 5s(13.0)	38.0¢	GØ/BS (8.0/38.0)	150	1:0.5
87s1	1s(8.0); 4s(12.5)	38.5¢	DB:W	140	
88	--	42.5¢	MB/W (3.5/42.5)	0	1:1.0
88s1	2s(11.0); 2L(17.5)	33.5¢	B-LC	22	
89	--	33.5b	W/FB (30.0/33.5)	0	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
90	1E(23.0)	38.0¢	LC	0+1	
91	9s(9.0); 2s(15.5)	33.0¢	BS-W	920	
92	--	36.0¢	B-W	0	
93	--	50.5¢	GØ/BS (7.0/50.5)	0	
94	--	42.5¢	MB/W (4.0/42.5)	0	
95	--	54.5¢	W/FB (28.5/54.5)	0	
96	2L(19.0); 3L(24.5)	35.5¢	LC	2+3	
97	3s(4.0); 1s(8.0); 3s(13.0); 2L(18.5)	36.0¢	BS-W	3132	
98	--	39.0¢	B-W	0	
99	--	48.5¢	GØ/BS (7.5/48.5)	0	
100	--	41.0¢	MB/W (3.5/41.0)	0	

#### Observations

1. This is one of several quipus acquired by the Museum in 1907 with provenance Pachacamac. For a list of these, see AS97.
2. By spacing and a marker, the quipu is separated into 3 parts: the first is 2 groups of 4 pendants each; the second is 7 groups of 7 pendants each; and the third is 7 groups of 5-7 pendants each.
3. In parts 2 and 3, the pendants in all groups have the same color pattern: LB (with B:LC or BS:B:LC subsidiaries); BS-W (with BS-W subsidiaries); B-W (with B-W subsidiaries); GØ/BS (with DB:W subsidiaries); MB/W (with B-LC

subsidiaries);  $\emptyset D/W$ ;  $W/\emptyset D$  or  $W/FB$ . Where there are 6 pendants in a group, it is the 6th position that is non-existent and where there are only 5 pendants, both the 6th and 7th positions are non-existent.

4. In part 1, the first group of pendants are all B. The second group, by color, is 2 pairs of pendants. Each pair is the same colors as the first 2 pendants in each group of parts 2 and 3. The association of the pairs in this second group with the first 2 positions in the groups of parts 2 and 3 is also seen in the knot placement on the cords: double values appear only on first pendant positions (for example, P5 is interpreted as 760 & 20, just as P37 is interpreted as 19 & 12).
5. The values in group 2 of part 1 are related to the sums of the values in parts 2 and 3. Various relationships are plausible but inexact. For example: all pendant values in the second position of the 7 groups in part 2 sum to 6810 and the second value in the first pair is 6850; all pendant values in part 2 sum to 7623 and the sum of the values in the first pair is 7630; and all pendant and subsidiary values in the second position of the 14 groups of parts 1 and 2 sum to 11901 and the sum of the values in the second pair is 11989.