

QUIPU AS212

Museum identification: No. 1958-57 (Joslyn Art Museum, Omaha,
Nebraska)

Main Cord: color W

\$ 5.5 cm: group of 4 pendant cords (1-4), then space of 2.0 cm
 8.0 cm: group of 6 pendant cords (5-10), then space of 1.0 cm
 10.0 cm: group of 5 pendant cords (11-15), then space of 1.0 cm
 12.0 cm: group of 5 pendant cords (16-20), then space of 1.0 cm
 14.0 cm: group of 5 pendant cords (21-25), then space of 1.5 cm
 16.5 cm: group of 6 pendant cords (26-31), then space of 1.5 cm
 19.0 cm: group of 8 pendant cords (32-39), then space of 2.0 cm
 22.5 cm: group of 5 pendant cords (40-44), then space of 1.5 cm
 25.0 cm: group of 6 pendant cords (45-50), then space of 1.5 cm
 28.0 cm: group of 3 top cords (T1-T3), then space of 2.0 cm
 30.5 cm: group of 5 pendant cords (51-55), then space of 1.0 cm
 32.5 cm: group of 6 pendant cords (56-61), then space of 9.5 cm¹
 43.0 cm: group of 4 pendant cords (62-65), then space of 18.0 cm
 61.5 cm: end ϕ^2

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
1	2s(12.0);9L(23.5)	28.5 ϕ	G	29	
2	3s(12.5);3L(22.5)	34.5 ϕ	B	33	
3	1s(12.5);5L(24.5)	38.0 ϕ	B	15	
4	1s(13.0);1E(24.5)	42.5 ϕ	B	11	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
5	1s(10.5);8L(21.0)	39.0¢	W	18	1:14.0
5s1	+3L(7.0)	23.0	B	3	
6	9L(21.5)	35.5¢	CB:B	9	1:17.0
6s1	+--	16.0¢	B	0	
7	3L(20.5)	36.5¢	G	3	
8	7L(21.0)	32.0¢	B	7	
9	4L(21.0)	39.0¢	B	4	
10	5L(22.0)	39.0¢	B	5	
11	1s(10.0);9L(22.0)	37.0¢	W	19	1:13.0
11s1	+7L(8.5)	17.5¢	B	7	
12	8L(22.0)	34.0¢	B:W	8	1:16.0
12s1	+1E(9.0)	19.0¢	B	1	
13	4L(24.0)	41.0¢	B	4	
14	6L(24.0)	37.0¢	G	6	
15	3L(25.0)	37.0¢	B	3	
16	2s(10.0);4L(24.5)	37.0¢	W	24	1:13.5
16s1	+6L(9.5)	19.0¢	B	6	
17	6L(25.0)	37.0¢	B:W	6	1:19.0
17s1	+2L(6.0)	15.0¢	B	2	
18	4L(25.0)	38.0¢	B	4	
19	7L(25.0)	34.0¢	G	7	
20	2L(25.0)	38.0¢	B	2	
21	1s(11.0);2L(26.0)	36.0¢	W	12	1:17.0
21s1	+6L(8.0)	20.0¢	B	6	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
22	6L(26.5)	39.5¢	B:W	6	1:22.5
22s1	+2L(4.0)	11.0	B	2	
23	7L(26.5)	36.5¢	BS:G	7	
24	3L(28.0)	41.0¢	B	3	
25	4L(27.5)	39.5¢	B	4	
26	7L(26.5)	38.0¢	W	7	1:18.5
26s1	+2L(7.5)	23.5¢	B	2	
27	8L(28.5)	38.5¢	B:W	8	1:23.0
27s1	+1E(6.0)	14.0¢	B	1	
28	5L(26.5)	39.0¢	BS:G	5	
29	6L(26.5)	29.5¢	B	6	
30	8L(26.0)	35.0¢	G	8	
31	2L(27.5)	40.5¢	B	2	
32	7s(9.5)	35.0¢	W	70	
33	3s(9.0);2L(23.0)	40.0¢	W	32	
34	3s(9.0);3L(21.0)	39.0¢	W	33	
35	2s(12.5);9L(21.5)	32.5¢	W	29	
36	3s(10.0);1E(21.0)	37.0¢	W	31	
37	3s(9.5);7L(20.5)	34.0¢	W	37	
38	2s(9.5);2L(20.0)	42.0¢	W	22	
39	3s(10.0);9L(19.5)	35.0¢	W	39	
40	4L(25.5)	44.5	MB	4	1:18.5
40s1	+2L(7.0)	25.0¢	W	2	
41	6L(25.0)	37.0¢	CB:B	6	1:20.0

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
41s1	+1E(7.0)	22.0¢	W	1	
42	4L(26.0)	37.5¢	B	4	1:22.0
42s1	+7L(3.5)	16.5¢	B	7	
43	3L(25.0)	40.0¢	G	3	1:22.0
43s1	+2L(3.0)	12.0¢	GY	2	
44	3L(26.0)	37.0¢	CB:B	3	1:21.5
44s1	+2L(3.5)	16.0¢	W	2	
45	1s(8.0);9L(25.0)	28.5¢	W	19	1:20.0
45s1	+1E(4.5)	13.5¢	B	1	
46 ³	9L(16.5)	b30.0¢	MB	9	1:13.0
46s1	+3L(3.0)	13.0¢	W	3	
47	8L(23.5)	36.5¢	MB:W	8	1:19.0
47s1	+7L(7.0)	18.5¢	CB:W	7	
48	6L(24.5)	48.5¢	B	6	1:20.0
48s1	+3L(3.5)	12.0¢	MB	3	
49	1s(8.5);1E(23.5)	39.5	GY	11	1:19.5
49s1	+3L(2.0)	11.0¢	GY	3	
50	--	12.0b	B	?	
T1	5L(26.5)	40.5¢	MB	5	1:22.5
T1s1	+1E(4.0)	14.0¢	W	1	
T2	4L(25.5)	34.5¢	MB:W	4	
T3	2L(25.5)	42.5¢	W	2	1:19.0
T3s1	+1E(6.5)	17.0¢	W	1	
51	4L(23.0)	40.0¢	MB	4	1:21.0

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
51s1	+1E(2.0)	13.0¢	W	1	
52	4L(23.5)	42.0¢	B:W	4	2:20.5-21.0
52s1	+1E(3.5)	8.0	W	1	
52s2	+1E(4.5)	22.5¢	B:W	1	
53	4L(22.0)	37.0¢	B	4	
54	4L(22.5)	38.5¢	GY	4	1:21.0
54s1	+1E(2.0)	12.5¢	GY	1	
55	2L(24.0)	42.0¢	B	2	
56	5L(22.5)	40.5¢	W	5	1:18.5
56s1	+3L(3.5)	13.5¢	B	3	
57	2L(23.5)	41.5	MB	2	1:21.0
57s1	+2L(3.0)	12.5¢	W	2	
58	2L(22.0)	41.0¢	B:W	2	
59	2L(21.5)	41.5¢	B	2	1:18.5
59s1	+1E(3.5)	11.5¢	B	1	
60	2L(23.0)	42.5¢	GY	2	
61	1E(29.0)	37.5¢	B:W	1	1:19.0
61s1	+2L(4.5)	6.5¢	B:W	2	
62	7L(23.0)	36.5	B:W	7	
63	4L(22.5)	35.5¢	MB	4	1:20.0
63s1	+1E(2.5)	11.5¢	GY	1	
64	1E(22.5)	41.5¢	GY	1	1:20.0
64s1	+1E(3.5)	20.5¢	B	1	
65	1E(23.0)	51.5¢	MB	1	

Observations

1. Construction Note: Two cords of 30 cm. and 19 cm. are knotted together and knotted to the main cord within this space. Both cords appear to have been cut. The cords are undyed (W) but have marks of being unravelled from some mottled combination. The cord attachments do not appear to be part of the original quipu construction and there is nowhere on the quipu they seem to have come from.
2. Construction Note: Three cords of color MB are wrapped around the end knot giving the effect of a six strand fringe. The strands of the fringe are 3.0 - 6.0 cm. long. The cords appear to have been cut after being attached.
3. Construction Note: The pendant was tied loosely around the main cord in the space between pendants 44 and 45. This is not an original attachment and the top portion of the pendant is clearly broken. A small space on the main cord between pendants 45 and 47 suggest this as the original place of the pendant. Also, this placement is consistent with the color and subsidiary pattern of Part IV as described in Observation 9. We, therefore, assume this to be the original place of the pendant. Note that the length measurements begin at the broken end of the pendant cord. A piece of about 7.0 cm. is probably missing.
4. By color, group sizes, and spaces along the main cord, the quipu resolves into five parts of 2,4,1,5,1 groups respectively. The groups each contain from 4 to 8 pendant

cords. The parts, alone and in comparison, are discussed in the observations that follow.

5. Part I is two groups of 4 and 6 pendants respectively. The first group shares the color pattern of the last four pendants in the next group so that Part I can be described as

$$P_{1ij} \quad i=1,2; j=1,\dots,6 \\ \text{(with } j \neq 1,2 \text{ for } i=1)$$

with subsidiaries P_{1ijs} for $i=1; j=1,2$.

6. Part II is four groups sharing the six color pattern W, B:W, BS:G, B, G, B. In all four groups the first and second pendant positions have subsidiaries of color B. Although the subsidiaries on both pendant positions are the same color, they differ consistantly in their placement. Part II can be described as:

$$P_{2ij} \quad i=1,\dots,4; j=1,\dots,6 \\ \text{(} j \neq 3 \text{ for } i=1,2 \text{ and } j \neq 5 \text{ for } i=3)$$

with subsidiaries P_{2ijs} for all i and $j=1,2$.

7. Parts I and II: The placement and color of subsidiaries are the same for both parts. Also, the pendant colors are the same in both parts for pendant positions $j = 1,4,6$.
8. Part III is one group of 8 white pendants with no subsidiaries. The color, number of pendants, and values on the pendants distinguish this group from the rest of the quipu. The values on these pendants range from 22 to 70 while only three other values on the entire quipu are larger than 19. (Two of the three are adjacent values in group 1 and are the same as two adjacent values in this group.)

