

QUIPU AS181

Museum identification: Unnumbered (Museum Für Völkerkunde, Berlin)

Main cord: color B:W

- \$ 1.5 cm: group of 2 pendant cords (1-2), then space of 3.5 cm.
- 5.5 cm: group of 2 pendant cords (3-4); then space of 0.5 cm.
- 6.5 cm: group of 2 pendant cords (5-6), then space of 0.5 cm.
- 7.5 cm: group of 2 pendant cords (7-8), then space of 0.5 cm.
- 8.5 cm: group of 2 pendant cords (9-10), then space of 0.5 cm.
- 9.5 cm: group of 2 pendant cords (11-12), then space of 1.5 cm.
- 11.5 cm: group of 3 pendant cords (13-15), then space of 0.5 cm.
- 12.5 cm: group of 2 pendant cords (16-17), then space of 0.5 cm.
- 13.5 cm: group of 2 pendant cords (18-19), then space of 0.5 cm.
- 14.5 cm: group of 2 pendant cords (20-21), then space of 0.5 cm.
- 15.5 cm: group of 2 pendant cords (22-23), then space of 2.0 cm.
- 18.0 cm: group of 2 pendant cords (24-25), then space of 0.5 cm.
- 19.0 cm: group of 2 pendant cords (26-27), then space of 0.5 cm.
- 20.0 cm: group of 2 pendant cords (28-29), then space of 0.5 cm.
- 21.0 cm: group of 2 pendant cords (30-31), then space of 0.5 cm.
- 22.0 cm: group of 2 pendant cords (32-33), then space of 57.5 cm.
- 80.0 cm: pendant cord (34), then space of 0.5 cm.
- 80.5 cm: group of 2 pendant cords (35-36), then space of 0.5 cm.
- 81.5 cm: group of 2 pendant cords (37-38), then space of 0.5 cm.
- 82.5 cm: group of 3 pendant cords (39-41), then space of 33.0 cm.
- 116.0 cm: end ç

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
1	9s(7.0); 8s(15.5); 9L(18.5)	27.5	DB:B	989	
2	5s(9.0); 6s(19.0); 4L(28.0)	56.0¢	YB	564	3:1.0-1.5
2s1	3s(10.0)	31.5¢	HB:W	30	
2s2	3s(9.5); 8L(18.0)	26.0¢	B	38	1:0.5
2s2s1	2s(10.0); 1EE(17.5)	29.0¢	DB:W	21	
2s3	8L(19.0)	35.5¢	W	8	
3	5s(7.0); 3s(14.0); 3L(17.0)	21.5¢	W	533	2:0.5-1.0
3s1	9L(11.0)	24.5¢	DB:MB	9	1:0.5
3s1s1	1s(10.5)	23.5b	KB	10(?)	4:0.0-1.5, 1:7.5
3s1s1s1	2L(9.0)	25.5¢	W	2	1:0.5
3s1s1s1s1	2L(9.0)	27.0¢	KB:W	2	
3s1s1s2	1s(3.0)	28.0¢	YB	10(?)	
3s1s1s3	1EE(9.0)	40.5¢	MB	1	
3s1s1s4	1EE(8.0)	28.0	G	1	
3s1s1s5	1EE(7.0)	26.5¢	DB:B	1	
3s2	6L(11.5)	31.5¢	W	6	
4	5s(5.5); 3s(12.5); 2L(16.5)	25.0¢	B	532	1:0.5
4s1	3s(5.5); 4s(10.0); 7L(14.5)	21.0¢	DB:B	347	
5	5s(6.0); 1s(11.0); 2L(16.0)	26.0¢	W	512	2:0.5-1.0

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
5s1	6L(11.0)	25.0¢	DB:MB	6	
5s1s1	4L(11.5)	26.0¢	KB	4	5:0.0-2.0
5s1s1s1	1EE(9.5)	24.0¢	W	1	1:0.5
5s1s1s1s1	1EE(9.5)	26.5¢	KB:W	1	
5s1s1s2	--	26.5¢	YB	0	
5s1s1s3	2L(9.5)	31.0¢	MB	2	
5s1s1s4	1EE(9.0)	28.0¢	G	1	
5s1s1s5	2L(9.0)	25.5¢	DB:B	2	
5s2	5L(12.0)	38.5¢	W	5	
6	5s(7.0); 1s(11.5); 3L(16.5)	32.0¢	B	513	1:0.5
6s1	7s(7.0); 8L(13.0)	?	DB:B	78	
7	3s(7.5); 4L(16.5)	27.5¢	W	304	4:0.5-1.5
7s1	6L(12.5)	26.5¢	DB:MB	6	1:0.5
7s1s1	2L(10.5); 3L(14.0)	24.5¢	KB	2+3	4:0.0-2.0
7s1s1s1	2L(9.0)	26.0¢	W	2	1:0.5
7s1s1s1s1	1EE(9.5)	27.0¢	KB:W	1	
7s1s1s2	--	25.0¢	YB	0	
7s1s1s3	2L(7.5)	33.0¢	MB	2	
7s1s1s4	1EE(7.0)	25.0¢	DB:B	1	
7s2	5L(13.0); 2L(18.0)	30.5¢	W	5+2	
7s3	4L(11.5)	31.0¢	DB:W	4	
7s4	7L(10.0)	19.5¢	DB:MB	7	1:0.5
7s4s1	2L(8.5)	32.5¢	G	2	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
8	3s(7.5); 5L(16.0)	20.5¢	B	305	1:0.5
8s1	4s(3.5); 3s(7.0); 7L(12.0)	22.0¢	DB:B	437	
9	4s(7.0)	31.5¢	W	400	2:0.5-1.0
9s1	5L(11.5)	30.0¢	DB:MB	5	1:0.5
9s1s1	1s(6.0)	9.0b	KB	10(?)	4:0.5-1.5, 1:3.5
9s1s1s1	1EE(10.0)	27.5¢	W	1	1:0.5
9s1s1s1s1	--	30.0¢	KB:W	0	
9s1s1s2	4L(9.5)	20.0¢	YB	4	
9s1s1s3	2L(9.0)	38.5¢	MB	2	
9s1s1s4	1EE(8.0)	32.0¢	DB:B	0	
9s1s1s5	--	27.5¢	DB:B	0	
9s2	4L(12.5); 2L(15.5)	37.5¢	W	4+2	
10	3s(8.0); 2L(16.5)	31.0¢	B	302	1:0.5
10s1	6s(7.5); 7L(13.0)	21.5¢	DB:B	67	
11	4s(8.0); 7L(13.0)	23.5	W	47	2:0.5-1.0
11s1	6L(11.5)	27.0¢	DB:MB	6	1:0.5
11s1s1	3L(11.0)	25.5¢	KB	3	5:0.5-2.0
11s1s1s1	2L(9.5)	25.0¢	W	2	1:0.5
11s1s1s1s1	--	31.5¢	KB:W	0	
11s1s1s2	--	30.5¢	W	0	
11s1s1s3	1E(9.0)	29.0¢	MB	1	
11s1s1s4	--	31.5¢	G	0	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
11s1s1s5	--	31.0¢	DB:B	0	
11s2	?	?	W	?	
12	--	36.5¢	B	0	1:0.5
12s1	9s(5.5); 8L(10.0)	22.0¢	DB:B	98	
13	6s(7.5); 2s(15.0); 7L(25.5)	73.0	W	627	3:16.5-17.0
13s1	--	32.5¢	DB:MB	0	
13s2	2s(9.0); 9L(18.0)	32.5¢	DB	29	
13s3	2s(8.5); 2L(17.0)	37.5¢	DB:W	22	
14	1s(5.5); 2L(14.0)	36.0¢	W	12	3:0.5-1.5
14s1	5L(11.5)	24.0¢	KB:W	5	
14s2	1s(5.0)	26.5¢	W	10	
14s3	1EE(12.0)	22.0¢	DB:B	1	1:0.5
14s3s1	5L(12.0)	29.0¢	HB:W	5	
15	1s(5.5); 3L(13.5)	31.0¢	B	13	1:0.5
15s1	--	37.5¢	DB:B	0	
16	3s(12.5); 5L(16.5)	25.0¢	W	35	4:0.5-1.5
16s1	1EE(11.5)	22.5¢	MB	1	
16s2	6L(14.0)	38.0¢	B:W	6	
16s3	--	24.5¢	DB:MB	0	2:0.5,7.0
16s3s1	5L(11.0)	31.0¢	HB:W	5	
16s3s2	5L(5.5)	16.0¢	KB-W	5	
16s4	1s(10.5)	38.5¢	W	10	

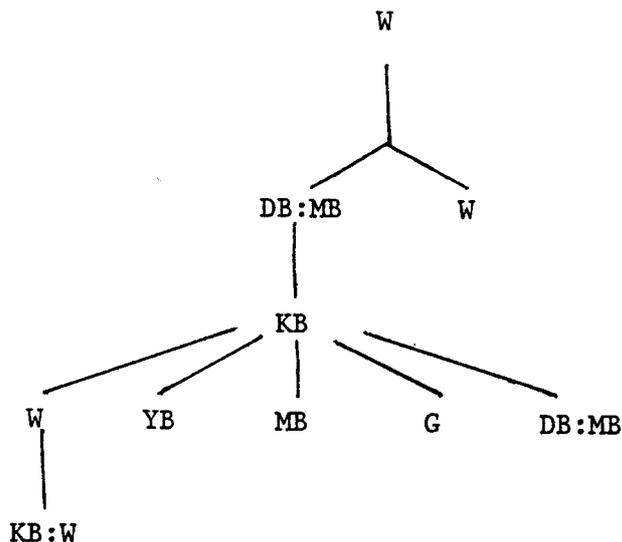
Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
17	1s(5.5); 3L(16.5)	32.0¢	B	13	1:0.5
17s1	3s(5.0); 5s(7.5); 6L(12.5)	20.5¢	KB:W	356	
18	9s(13.0); 2L(17.0)	24.5¢	W	92	3:0.5-1.5
18s1	1EE(12.5)	25.5¢	DB:MB	1	1:0.5
18s1s1	6L(12.5)	27.0¢	HB:W	6	
18s2	7L(11.0)	30.0¢	HB:W	7	
18s3	1s(8.0)	46.5¢	W	10	
19	1s(6.5); 7L(16.5)	33.0¢	B	17	1:0.5
19s1	5s(6.5); 5s(12.5); 8L(16.0)	24.5¢	DB:B	558	
20	2s(11.5); 2L(18.0)	30.5¢	W	22	4:0.5-1.5
20s1	2L(11.0)	25.5¢	DB:B	2	
20s2	6L(10.5)	36.0¢	HB:W	6	
20s3	7L(10.0)	40.0¢	B:W	7	
20s4	1s(10.0)	41.5¢	W	10	
21	2s(11.5); 3L(18.0)	31.5¢	B	23	1:0.5
21s1	4s(6.5); 6s(13.5); 8L(23.0)	44.5¢	DB:B	468	
22	--	28.5¢	W	0	1:0.5
22s1	--	24.5¢	DB:B	0	1:0.5
22s1s1	5L(6.0)	20.0¢	KB:W	5	
23	--	35.0¢	B	0	1:0.5
23s1	3s(6.0); 5s(13.5); 7L(23.0)	39.5¢	DB:B	357	

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
24	1s(8.0); 5L(15.5)	31.5¢	W	15	3:0.5-1.5
24s1	2s(9.0); 3L(20.0)	40.0¢	KB:W	23	
24s2	3L(15.0)	26.0¢	HB:W	3	
24s3	6L(15.0)	27.5¢	W/KB:W (23.0/27.5)	6	
25	2s(8.0); 4L(15.0)	31.0¢	B	24	1:0.5
25s1	3s(2.0); 4s(8.5); 4L(13.5)	25.5¢	DB:B	344	
26	1s(9.5)	44.0¢	W	10	4:0.5-1.5
26s1	2s(9.0); 1E(20.0)	32.0¢	KB:W	21	
26s2	1E(13.5)	28.5¢	RM:DB	1	
26s3	3L(13.5)	28.0¢	HB:W	3	
26s4	6L(13.0)	26.0¢	W/KB:W (20.5/26.0)	6	
27	4L(15.5)	?¢	B	4	1:0.5
27s1	3s(2.5); 5s(9.5); 4L(14.0)	24.0¢	DB:B	354	
28	2s(8.0); 5L(15.0)	26.5¢	W	25	4:0.5-1.5
28s1	2s(9.5); 1E(19.0)	41.0¢	KB:W	21	
28s2	1E(14.0)	32.5¢	RM:DB	1	
28s3	3L(14.0)	27.5¢	HB:W	3	
28s4	5L(14.0)	26.0¢	W/KB:W (21.5/26.0)	5	
29	1s(7.5); 4L(15.0)	26.5¢	B	14	1:0.5
29s1	4s(9.5); 4L(15.0)	29.5¢	DB:B	44	
30	2s(8.0); 4L(14.5)	28.0¢	W	24	4:0.5-1.5

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
30s1	3s(9.0); 2L(18.5)	38.0¢	KB:W	32	
30s2	1E(14.0)	32.0¢	RM:DB	1	
30s3	3L(14.0)	29.5¢	HB:W	3	
30s4	4L(13.5)	28.0¢	W/KB:W (24.0/28.0)	4	
31	1s(8.5); 4L(15.5)	29.0¢	B	14	1:0.5
31s1	3s(2.5); 3s(9.5); 3L(14.5)	22.0¢	DB:B	333	
32	2s(9.5); 4L(17.0)	26.0¢	W	24	3:0.5-1.5
32s1	2s(9.5); 2L(20.0)	48.5¢	KB:W	22	
32s2	2L(15.5)	27.5¢	HB:W	2	
32s3	4L(15.0)	29.0¢	W/KB:W (26.0/29.0)	4	
33	--	34.0¢	B	0	1:0.5
33s1	2s(2.5); 2s(9.5); 4L(14.5)	22.0¢	DB:B	224	
34	1s(7.5); 9L(13.5)	33.0¢	B	19	1:3.0
34s1	5L(10.5)	28.0¢	DB:B	5	
35	6L(12.5)	30.5¢	B	6	
36	1EE(12.5)	38.5¢	B	1	
37	3L(12.5)	35.0¢	B	3	
38	4L(12.5)	40.0¢	B	4	
39	1EE(11.5)	34.0¢	B	1	
40	2L(12.5)	36.5¢	B	2	
41	2L(11.5)	22.5¢	DB:W	2	

Observations

1. By spacing, the quipu is in 5 parts. The first part is 1 pair of pendants; part 2 is 5 pairs of pendants; part 3 is a single pendant followed by 5 pairs of pendants; part 4 is 5 pairs of pendants; and part 5 is a single pendant followed by 3 groups of 2, 2, and 3 pendants respectively.
2. Parts 2, 3, and 4 have 5 pairs of pendants each, and each pair is W, B.
 - a) With one exception, each B has a DB:B subsidiary.
 - b) In part 2, the subsidiaries on the W pendant have a consistent color pattern and hierarchical arrangement. There are four levels of subsidiaries with as many as 5 branches on the third level. The arrangement is diagrammed as follows:



(The subsidiary organization of the W pendant in the 3rd pair varies slightly in that there are 2 more first-level subsidiaries and no G on the 3rd level.)

- c) The subsidiaries on the W pendants in part 4 have a consistent, but different, arrangement. Each has 3 or 4 subsidiaries in the same color order: KB:W; RM:MB; HB:W; W/KB:W. Where there are 3, it is the RM:MB that is non-existent.

3. The first pendant in part 5 has value 19 which is the sum of the remaining 7 pendants in that part.
4. The values of the first 3 pendant pairs in part 2 are numbers that differ by 1. That is; (533, 532), (512, 513), and (304, 305). Curiously, one of each of the values in these pairs is a multiple of 19. In part 3, the first and fourth pairs are also consecutive values: (12, 13) and (22, 23).
5. All of the pendants occur in pairs with the exception of the single first pendant in part 3, the single first pendant in part 5, and the last pendant on the quipu which is third in a group of 3 pendants. The single first pendant in part 3 is W and the single first pendant in part 5 is B with a DB:B subsidiary. Thus, together they have the color pattern of the pairs in parts 2, 3, 4. (Each of these 2 pendants has a value which is a multiple of 19.)