

## QUIPU AS87/N3

Museum identification: No. G3304 (Museum für Völkerkunde, Munich)

Main cord: color W

\$33.5 cm: pendant cord (1), then space of 1.0 cm.

34.5 cm: group of 88 pendant cords (2-89), then space of 29.0 cm.

86.0 cm: end ç

Cord	Knots (no., type, position)	Length	Color	Value*	Subsidiaries (no., position)
1	2L(15.0); 1s(30.5)	60.5ç	VB:W		
2	1s(12.5); 6s(22.0); 2s(29.5)	49.5ç	W		
3	13L(10.0); 1s(23.5)	53.5ç	W		
4	4L(13.0); 5L(26.0)	52.0ç	AB:W		
5	1s(16.5); 1s(20.5); 1s(24.0)	55.5ç	VB:W		1:1.0
5s1	1s(19.5); 1s(29.5)	51.0ç	W		
6	9L(17.5); 1s(26.5)	58.0ç	W		
7	10L(24.5)	52.0ç	W		1:6.0
7s1	1s(18.0)	42.0ç	BG:W		
8	1s(13.0); 2s(22.0); 1E(31.5)	46.5ç	AB:W		
9	11L(8.5); 1E(20.5)	46.0ç	W		
10	2s(11.5); 2L(19.0)	51.0ç	DB:W		
11	4L(10.5); 2s(17.5)	46.5ç	AB:W		
12	6L(14.5); 1E(28.5)	46.0ç	W		
13	1s(14.0); 1s(16.0)	57.0ç	VB:W		
14	1E(19.5); 1s(30.5)	58.0ç	W		1:5.5

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
14s1	11L(8.0); 2s(24.5)	48.0¢	W		
15	6s(14.0); 1E(30.5)	52.5¢	AB:W		
16	1E(12.5); 1E(27.0)	49.5¢	AB:W		
17	--	67.5¢	AB:W		
18	1s(11.0); 1s(17.0)	39.0¢	W		
19	9L(9.0); 2L(26.0)	51.5¢	W		
20	1s(10.0); 2L(18.5)	50.0¢	AB:W		
21	4s(16.5)	46.5¢	AB:W		
22	11L(11.0); 3L(23.5)	46.5¢	W		
23	9L(14.5); 1s(28.0)	58.0¢	VB		
24	2s(17.0)	58.0¢	DB:W		
25	2L(19.5); 1s(27.0)	51.5¢	W		
26	10L(14.0); 1s(25.0); 7L(34.5)	48.5¢	W		
27	1s(13.5); 1s(23.5)	48.5¢	BG:W		1:5.5
27s1	11L(13.5); 2L(23.0)	42.5¢	W		
28	2s(25.5); 1s(35.0)	59.5¢	W		
29	2L(19.0); 2s(28.5)	48.0¢	AB:W		
30	4s(21.0)	50.0¢	AB:W		
31	5s(18.5)	57.5¢	AB:W		
32	3s(18.0); 1s(23.0)	44.0¢	AB:W		
33	5s(20.0)	57.5¢	W		
34	2L(20.5); 2s(28.5)	53.5¢	AB:W		

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
35	1s(23.0); 2L(36.5)	58.0¢	W		
36	7L(10.5); 2L(25.5)	47.0¢	DB:W		
37	4L(19.0)	58.5¢	W		
38	10L(18.5)	46.0¢	AB:W		
39	3L(8.0); 1s(25.0); 1s(27.5)	56.0¢	VB:W		
40	2s(19.5)	50.0¢	W		
41	2L(13.5); 2L(37.0)	62.5¢	AB:W		
42	2L(20.0); 2s(31.0)	53.0¢	AB:W		
43	1s(19.0); 2L(25.0)	53.5¢	W		
44	2s(27.5); 1s(39.5)	59.0¢	W		
45	3s(14.5)	64.5¢	W		
46	5L(10.0); 1E(20.5)	59.0¢	VB:W		
47	2s(15.0); 2L(19.5)	44.0¢	AB:W		
48	2s(20.0)	52.5¢	W		
49	7L(9.0); 5L(21.0)	45.0¢	DB:W		1:4.0
49s1	9L(6.0); 2L(27.0)	41.5¢	W		
50	9L(12.0); 2L(22.5)	47.5¢	AB:W		
51	1s(19.5); 1s(30.0)	46.5¢	BG:W		
52	2s(14.0); 2s(22.0)	48.5¢	AB:W		
53	10L(20.0); 2L(24.0)	41.0¢	AB:W		
54	2L(14.5); 2s(22.5)	55.5¢	W		
55	2L(23.0); 2L(29.5)	56.0¢	W		
56	9L(17.5); 1s(31.5); 11L (40.5)	50.5¢	W		

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
57	9L(14.5); 9L(25.5)	45.0¢	W		1:9.0
57s1	2L(9.0)	27.5¢	W		
58	9L(13.0); 8L(28.5)	41.0¢	W		
59	2L(16.0); 2L(23.0); 3L(33.5)	55.5¢	W		
60	1s(13.0); 2s(27.0)	54.0¢	W		
61	3s(22.0); 5L(31.5); 1s(34.0)	51.0¢	W		
62	3s(14.5)	59.5¢	W		
63	2L(13.5); 3s(20.0)	55.0¢	VB		
64	1s(12.0); 2L(18.0)	53.0b	DB:W		
65	7s(30.0)	52.0¢	W		
66	3s(16.5); 1s(29.5)	48.5¢	W		
67	6L(10.0); 1E(34.0)	53.0¢	W		
68	4s(16.5)	47.5¢	W		
69	8L(9.5); 4s(18.0)	48.0¢	W		
70	1s(19.5); 1s(29.5)	56.0¢	W		
71	7L(17.5); 2L(37.5)	54.5¢	W		
72	2s(17.0); 2s(28.5)	53.5¢	W		
73	1s(20.5)	54.5¢	W		1:7.5
73s1	10L(17.0); 1s(21.0); 7L(29.5)	41.0¢	W		
74	2s(17.5); 1s(22.5)	50.5¢	VB:W		
75	5L(17.0); 9L(30.0)	55.0¢	W		
76	1s(15.0); 1s(24.5)	57.5¢	W		

Cord	Knots (no., type, position)	Length	Color	Value	Subsidiaries (no., position)
77	10L(13.5); 1E(22.5); 6L(27.5)	46.5¢	W		1:1.5
77s1	1E(18.5)	47.5¢	BG:W		
78	5s(17.5)	58.5¢	W		
79	8L(21.5); 1E(33.0)	59.0¢	W		
80	1s(20.0); 3s(21.5)	63.0¢	W		
81	2L(14.5); 1s(21.5)	56.0¢	VB:W		
82	4L(31.5); 2L(46.0)	59.0¢	W		
83	8L(9.0); 6L(30.0)	52.0¢	W		
84	1s(13.5); 1s(16.5); 1s(17.5); 1s(29.5)	65.5¢	W		
85	1s(11.5); 4L(13.0); 1s(23.0); 1s(25.0); 1E(36.5); 1s(38.0)	58.0¢	W		
86	12L(18.5); 10L(41.5)	57.0¢	W		
87	8L(16.0); 9L(38.0)	55.0¢	W		
88	1s(20.5); 1s(26.0)	59.0¢	W		
89	1s(12.5); 9L(16.5)	45.5¢	DB:W		

#### Observations

- \*1. No numerical interpretation is possible as the knot clusters do not conform to the base ten positional system. Nineteen different knot cluster orders are found on the pendants. These include long knots or figure eight knots followed by single knots, and long knots or single knots followed by long knots. Also, there are 13 knots which contain 10, 11, 12, or 13 knots.

2. Construction note: Several long knots of 2 or 3 are constructed in a reverse manner. (See diagram, AS95 construction note.)
3. AS87, 89, 90, 92, 93, 94 are associated in that the Museum designates them all as donated by Gaffron. Peru is given as the provenance.
4. AS87 is also discussed by Nordenskiöld(see Introduction, Table 3).
5. Comparison of AS87, 89, 90, 92, 93, 94:
  - (i) AS89 and AS92 are similar in colors. Each is basically 8 groups with a uniform number of pendants and a uniform color pattern.
  - (ii) AS93 and AS94 are tied together but otherwise show little similarity.
  - (iii) AS87 differs markedly from the other 5 quipus. All its colors are different and it is the only one where different type knots appear in all different positions on the pendants. It is, however, similar to AS95, also donated by Gaffron.