## QUIPU AS15

Museum identification:  No. SA4035 (University Museum, University of Pennsylvania)

Main cord:  color W

$ 6.0 cm:  loop attachment,* then space of 0.5 cm.

6.5 cm:  group of 3 pendant cords (1-3), then space of 1.0 cm.

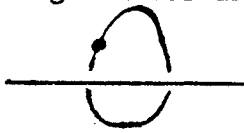8.0 cm:  group of 6 pendant cords (4-9), then space of 1.5 cm.

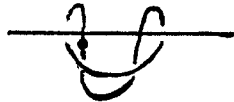11.0 cm:  group of 3 pendant cords (10-12),then space of 23.0 cm.

34.0 cm:  end ¢

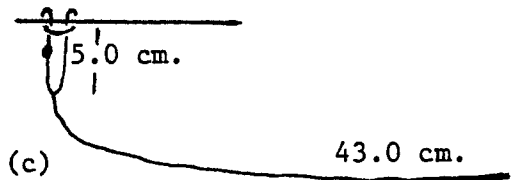| Cord | Knots (no., type, position) | Length | Color | Value | Subsidiaries (no., position) |
|------|------------------------------|--------|-------|-------|------------------------------|
| 1 | 1E(5.0) | 22.0¢ | B | 1 | |
| 2 | 1E(4.5) | 22.5¢ | W | 1 | |
| 3 | 1E(4.5) | 22.5¢ | B | 1 | |
| 4 | 1E(4.0) | 15.0¢ | B | 1 | |
| 5 | 1E(4.0) | 23.0¢ | B | 1 | |
| 6 | 1E(4.0) | 15.0¢ | B | 1 | |
| 7 | 1E(4.0) | 16.0¢ | W | 1 | |
| 8 | 1E(4.0) | 16.0¢ | W | 1 | |
| 9 | 1E(4.0) | 15.0¢ | W | 1 | |
| 10 | -- | 25.0¢ | G:W | 0 | |
| 11 | -- | 29.0¢ | G | 0 | |
| 12 | -- | 29.0¢ | B:W | 0 | |

## Observations

*1. Construction note: (a) A W colored cord of 11.0 cm. was formed into a circle.
(b) This was attached to the main cord by passing it around the main cord and
then through itself. (c) A long W colored cord was then attached to it. The
resultant loop was 5.0 cm. with a 43.0 cm. tail. Spaced along the tail are
single knots and small (c) flags. The flags are short cords, 1.0 cm. to



(a)                          (b)                          (c)

2.5 cm. in length, each with a finished end, attached in the same manner as
+ subsidiaries, colored either B or W. Starting from where the tail is
attached to the loop, it is arranged as follows: 4.0 cm., 1s, 4.0 cm., 1s,
3.0 cm., 1s, 2.0 cm., B flag (1.5 cm.), 1.5 cm., 1s, 1.5 cm., W flag (1.5 cm.),
1.5 cm., B flag (1.0 cm.), 1.0 cm., 1s, 4.0 cm., 1s, 2.0 cm., B flag (1.5 cm.),
2.5 cm., 1s, 2.0 cm., B flag (2.0 cm.), 2.0 cm., B flag (1.0 cm.), 1.5 cm.,
W flag (2.5 cm.), 2.5 cm., 1s, 4.0 cm., 1s, 1.5 cm., W flag (2.0 cm.), 1.0 cm.,
W flag (2.0 cm.), 1.5 cm.

2. The flags can be placed in 1-1 correspondance with the pendants carrying knots.
Pendants 1 to 9 are colored B, W, B, B, B, B, W, W, W. The flags are in the
same color order.

3. Just as there are 9 pendants with knots and 9 flags, there are 9s knots on
the tail. The s knots and flags can be placed in 1-1 correspondance. The s
knots and flags are grouped by being interspersed with each other. The 5 knot
groups are of sizes 3, 1, 2, 1, 2. The 5 flag groups are of size 1, 2, 1, 3, 2.
Hence, flag group 5-i corresponds to knot group i(mod 5) for i=1, 2, 3, 4, 5.

4. See AS25 for similar use of flags and knots.