

# **ANTHROPOLOGICAL RECORDS**

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## **CULTURE ELEMENT DISTRIBUTIONS: XIX CENTRAL CALIFORNIA COAST**

**BY  
JOHN P. HARRINGTON**

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Map 1. Area "N" of the Element Survey, and local groups referred to.

# CULTURE ELEMENT DISTRIBUTIONS: XIX

## CENTRAL CALIFORNIA COAST

BY  
JOHN P. HARRINGTON

### INTRODUCTION

BY A. L. KROEGER

In the spring of 1935, when Drs. Drucker and Driver took the field to collect culture-element data among the Indians of Southern California (area "O") and of the Southern Sierra Nevada region (area "M"), respectively, which were subsequently published as Culture Element Distributions: V and VI, Mr. J. P. Harrington, of the Bureau of American Ethnology, suggested that he could probably furnish more information from his notebooks than could still be secured from living natives of the southern coastal tracts of California.<sup>1</sup>

Inasmuch as Mr. Harrington began collecting data from the few surviving descendants of the missionized Gabrielino, Chumash, and Salinans nearly thirty years before, had repeatedly interviewed probably every such informant, and as most of these old people had since died, I accepted the offer with gratitude. Mr. Harrington merely stipulated that in return we should not worry or upset the very few remaining aged survivors, among groups like the Kitaneuk and Chumash, with whom he enjoyed carefully cultivated relations. This we refrained from doing; and he, in turn, added list data on the Northern and Southern Costano.

The result is a mass of data almost certainly fuller and more authentic than Drs. Drucker and Driver could have secured so late as 1935 from the scattered and thoroughly Mexicanized Indians of the area between Los Angeles and San Francisco; the more so as they would have had first to find the "buried" informants and then to approach them as strangers.

The lists, as is always the case when notebooks instead of personal questioning are used, come out somewhat different. Negative answers especially are proportionally fewer. Nevertheless the returns are much the most valuable that could have been secured, and constitute an integral part of our Element Survey. The gaps and discrepancies in this lot of lists are due chiefly to time. The California missions were

secularized 101 years earlier; and some of them were founded more than a century and a half before 1935. No other investigator has collected one-tenth as much information on the ethnography of the area as has Mr. Harrington: the task is a difficult one and calls for incredible patience and pains.

His list is based mainly on Dr. Driver's, with some supplements from Dr. Drucker's; but in each case it is the prefield list, based partly on Gifford's and Klimek's Pomo list, which was available to him. Both investigators of course subsequently altered their lists in the field to accord with the data encountered; which Mr. Harrington did not feel free to do.

Our genuine thanks are due Mr. Harrington for his coöperation.

### ETHNOGRAPHY

I have extracted from these lists a number of the more important or distinctive features whose distribution is reasonably certain and definite. These yield something of an outline picture of the culture of the area, especially in comparison with the remainder of California.

Features common to all groups in the area are: domed living house thatched, without earth covering; bedrock and portable mortars; slab mortar with basketry hopper asphalted on (!? for Salinan and Costano); paddle for stirring; skins dressed by men, with rib-scraper, on inclined post or pole, brains rubbed in, but no smoking; sinew-backed bow (Fernandeño, but not Gabrielino); slings for birds and small game, but not for war; no shields; no armor; headbands of yellowhammer; rabbit-fur blanket, with string weft; men and children naked; all habitually barefoot; hammock-like carrying net; twined tule mats; string of Apocynum and of Asclepias, rolled on thigh; whole Olivella and Olivella-disk beads as "money"; tobacco gathered wild for smoking, also eaten with lime; cocoon rattle (Costano not certain) and split-stick rattle; bull-roarer as toy; berdaches; chief's rank by inheritance, wealth only incidental (no Costano data); mother warmed or baked in pit after childbirth; weather-control shamans; grizzly-bear shamans, turn into bears, return to life.

<sup>1</sup>Assistance in the preparation of these materials was furnished by the personnel of Work Projects Administration Official Project No. 66-1-08-62, Unit A15.

Common to all groups except the Costano: menstrual hut; grooved steatite arrow straightener; sewn as well as twined tule mats; hand-held feather ornaments for dancing; coiled basketry cap for carrying loads; net-sack carried in hand (Salinan not certain); boiling baskets coiled (Costano twined); mortar hopper coiled; Y-frame cradle (except Gabrielino U-ladder); *Urtica* (nettles) used for string; beads measured around hand.

Other southern traits, which however have failed to penetrate to the Salinan as well as Costano: sudatory built against a bank; curved, flat throwing-club for small game; palut type of feathered net skirt; seed beater with parallel warps; carrying basket flat-bottomed, coiled; deer-hoof rattle; mourning ceremony, with images burned (west only to Ventura Chumash); Wamkish cult.

Features limited to the two northern groups are few. Costano and Salinan: carrying basket conical and twined. Costano only: boiling baskets twined; women shamans prominent. Salinan only: tule mats as house cover, alternative with thatch (Yokuts import to missions?); musical rasp. This short list probably reflects meagerness of Costano-Salinan culture, largely. It may however be partly due to the list being constructed with reference to Yokuts-Chumash-Gabrielino and weighted for elements known to occur there, with nothing to compensate on behalf of the two northern groups.

Chumash specialties: earth-covered assembly house; with ladder; scaffold beds; bird-skin blanket; spear-thrower; tule-mat unroofed ceremonial enclosure.

Chumash and Kitanemuk only: daily sweating; erect headdress of roadrunner tail-feathers; trees or seed-tracts owned by households; also eagle nests; extended burial; grave planks, and grave masts; shell cylinders as treasure (perhaps Salinan also).

Chumash and Gabrielino only: plank boat; double-ended paddle; yellowhammer bands untrimmed (viz. feathers rather than quills); hung on pole as banner (Fernandeño).

Gabrielino, or Gabrielino-Fernandeño, specialties are fewer than Chumash or Chumash-Kitanemuk: U-ladder cradle frame; bull-roarer in initiation ritual; Chungichnich, and Raven his messenger; tobacco not used as offering.

Some limited or irregular distributions: communal dwellings, multiple household, but without separate doors or fires: Salinan, Chumash, Kitanemuk.

Name of dead taboo until regiven to a child: Costano, Chumash, Kitanemuk; taboo indefinitely or permanently: Salinan, Gabrielino (Chumash and Kitanemuk also specified--presumably in case the name was not rebestowed).

When these specific major or diagnostic features are added up, their ethnic frequency is as follows:

Found among:						Traits
C	S	Ch	K	G	.	40
		S	Ch	K	G	11
			Ch	K	G	9
C						2
	S					2
C	S					1
		Ch				6
		Ch	K			8
				G		4
				G		5
43	54	78	68	69	(totals)	

It appears that Chumash culture is the richest; Gabrielino-Fernandeño and Kitanemuk next; Salinan definitely more meager; Costano meagerest of all.

#### INTERTRIBAL STATISTICAL CORRELATIONS

Mr. Harrington's data, being taken from notebooks, contain a smaller percentage of negatives or absences than the answers to list questions put in the field. This has been our universal experience. At that, many of his negatives are universals. That is, they relate to features which do not occur at all in his area and whose significance lies in comparison with other areas.

There are however 115 traits on which his list contains both positive and negative answers: that is, in which there are intertribal differences within the area. The number of unqualified positive or negative answers to these 115 elements is 585, or about five for each element. In this count the several informants from one locality have been treated as a unit: B1 and B2 have been lumped as Ba or Chumash of Santa Barbara. This makes eleven "tribal" groups out of eighteen informants, as follows:

Group	Abbrev.	+	-
Costano, Northern . . . . .	Cn	20	3
Costano, Southern . . . . .	Cs	35	15
Salinan, Antoniano . . . . .	An	24	29
Salinan, Migueleno . . . . .	Mi	17	30
Chumash, Inezeño . . . . .	In	18	43
Chumash, Barbareño . . . . .	Ba	19	42
Chumash, Ventureño . . . . .	Ve	32	54
Chumash, Emigdiano . . . . .	Em	12	20
Shoshonean, Serrano speech group, Kitanemuk . . . . .	Ki	25	59
Shoshonean, Gabrielino speech group, Fernandeño . . . . .	Fe	10	19
Shoshonean, Gabrielino speech group, Gabrielino . . . . .	Ga	21	38

Within the framework of these 115 varying elements, all the groups show an excess of negative entries, as is usual, except the two Costano divisions. The reason for this exception is not clear. The list furnished Mr. Harrington though originally developed among the Pomo, was subsequently given more southerly orientation by Drucker and Driver; so that negatives rather than positives might have been expected to be particularly numerous among the Costano, who lived farthest north. Possibly the cause is greater paucity of surviving information among the Costano, which made Mr. Harrington cautious about entering any but clearly remembered facts, and these would tend to be positive.

The following are the a, b, c, d intertribal values:

Cn-Cs	20	0	0	3
-An	5	5	1	0
-Mi	6	5	1	0
-In	3	14	1	0
-Ba	2	11	1	0
-Ve	4	15	2	0
-Em	1	6	1	0
-Ki	2	17	1	0
-Fe	1	8	1	0
-Ga	1	14	3	0

Cs-An	9	9	5	2
-Mi	8	10	4	0
-In	6	20	4	1
-Ba	4	19	4	0
-Ve	6	27	11	0
-Em	2	9	1	0
-Ki	3	24	9	0
-Fe	1	12	1	0
-Ga	2	21	9	0

An-Mi	25	1	1	32
-In	13	13	8	19
-Ba	10	6	12	18
-Ve	12	19	13	19
-Em	4	5	7	13
-Ki	8	23	12	16
-Fe	2	7	7	6
-Ga	4	23	7	21

Mi-In	14	8	7	21
-Ba	10	7	7	21
-Ve	14	11	11	22
-Em	4	3	7	15
-Ki	9	16	10	18
-Fe	2	5	7	8
-Ga	4	17	20	9

In-Ba	21	1	0	38
-Ve	22	3	0	41
-Em	10	1	1	19
-Ki	15	12	4	36
-Fe	7	4	2	15
-Ga	12	12	13	25

Ba-Ve	21	0	0	40
-Em	10	0	1	20
-Ki	14	6	4	35
-Fe	7	3	2	16
-Ga	12	10	13	25

Ve-Em	11	0	1	20
-Ki	18	9	4	44
-Fe	9	3	1	16
-Ga	17	12	17	27
Em-Ki	9	1	2	18
-Fe	6	2	1	13
-Ga	7	5	6	13
Ki-Fe	8	2	1	16
-Ga	14	5	21	33
Fe-Ga	9	1	1	18

While the absolute values are small--the lowest totals only 8 items--they seem sufficient to operate with. However, of the 55 sets of values, 22 contain a 0: 16 for "d" in Costano-non-Costano comparisons, and 6 for "b" or "c" in intra-Costano and intra-Chumash comparisons. These invalidate the use of the Yule  $Q_2$  formula. I have therefore had  $r_{hk}$  and Z computed (see tables 1 and 2, p. 4). The  $r_{hk}$  values convert into the diagram of figure 1.

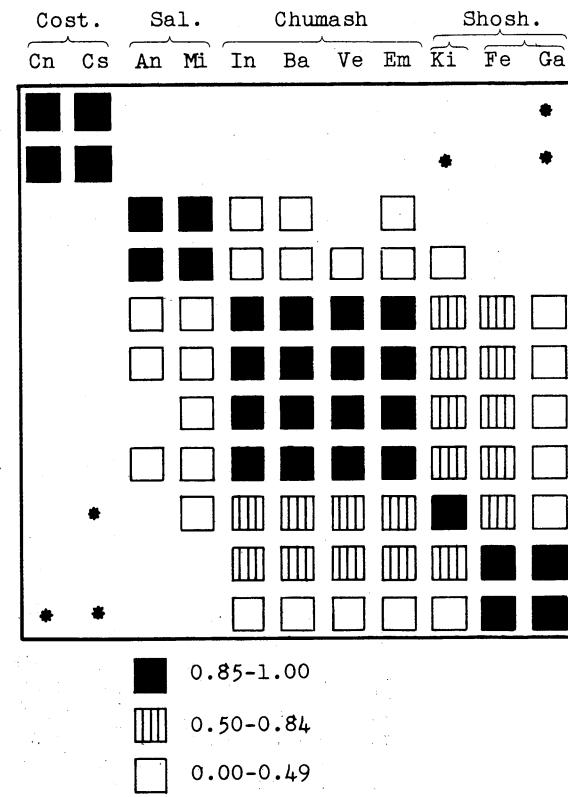


Fig. 1. Graphic presentation of  $r_{hk}$  coefficients.

TABLE 1  
Intertribal Coefficients by Formula  $r_{hk}^*$

	Cn	Cs	An	Mi	In	Ba	Ve	Em	Ki	Fe	Ga
Cn		1.00	-0.29	-0.26	-0.47	-0.55	-0.52	-0.67	-0.55	-0.67	-0.84
Cs	1.00		-0.19	-0.44	-0.45	-0.64	-0.73	-0.53	-0.82	-0.71	-0.87
An	-0.29	-0.19		0.93	0.24	0.21	-0.02	0.09	-0.21	-0.32	-0.13
Mi	-0.26	-0.44	0.93		0.39	0.34	0.23	0.22	0.00	-0.17	-0.49
In	-0.47	-0.45	0.24	0.39		0.97	0.91	0.86	0.50	0.55	0.16
Ba	-0.55	-0.64	0.21	0.34	0.97		1.00	0.94	0.62	0.61	0.20
Ve	-0.52	-0.73	-0.02	0.23	0.91	1.00		0.94	0.62	0.72	0.20
Em	-0.67	-0.53	0.09	0.22	0.86	0.94	0.94		0.78	0.70	0.27
Ki	-0.55	-0.82	-0.21	0.00	0.50	0.62	0.62	0.78		0.76	0.31
Fe	-0.67	-0.71	-0.32	-0.17	0.55	0.61	0.72	0.70	0.76		0.85
Ga	-0.84	-0.87	-0.13	-0.49	0.16	0.20	0.20	0.27	0.31	0.85	

$$r_{hk}^* = (ad-bc)/\sqrt{[(a+c)(b+d)(a+b)(c+d)]}.$$

The following inferences can be drawn from these tabulations.

1. The intergroup relations are regular, and linear according to geography, in order from northwest to southeast.

2. All high coefficients are internal to linguistic groups. For instance, all four Chumash groups are more similar to one another than to any non-Chumash group; this in spite of the fact that the Emigdiano were neighbors of the Kitanemuk, and the Ventureño of the Gabrielino, but that both were some distance east of the Inezéño Chumash. In short, ethnic relationship as evidenced by speech made for closer cultural similarity than did geographical proximity, in this area.

3. With second-rank coefficients also con-

sidered, a block consisting of Chumash, Kitanemuk, and Fernandeño is evident. That the Gabrielino do not adhere to this block is surprising, because of the similarity of their speech to that of the Fernandeño. Evidently their outlook and relations were southward.

4. With medium coefficients included, the Gabrielino as well as the Fernandeño are seen to belong with the Chumash and Kitanemuk; and the Salinan go with the Chumash, but only with them.

5. The Costano have only negative coefficients, except as between their two divisions, and possess much the most divergent culture in the area.

The values for Z come out very close to those for  $r_{hk}$ . In fact all the significant rank orders and groupings are the same.

TABLE 2  
Intertribal Coefficients by Formula Z\*

	Cn	Cs	An	Mi	In	Ba	Ve	Em	Ki	Fe	Ga
Cn		1.00	-0.09	0.00	-0.67	-0.71	-0.62	-0.75	-0.80	-0.80	-0.89
Cs	1.00		-0.12	-0.27	-0.55	-0.70	-0.73	-0.67	-0.83	-0.86	-0.88
An	-0.09	-0.12		0.93	0.21	0.22	-0.02	0.17	-0.19	-0.27	-0.09
Mi	0.00	-0.27	0.93		0.40	0.38	0.24	0.31	0.02	-0.09	-0.48
In	-0.67	-0.55	0.21	0.40		0.97	0.91	0.87	0.52	0.57	0.19
Ba	-0.71	-0.70	0.22	0.38	0.97		1.00	0.94	0.66	0.64	0.23
Ve	-0.62	-0.73	-0.02	0.24	0.91	1.00		0.94	0.65	0.73	0.21
Em	-0.75	-0.67	0.17	0.31	0.87	0.94	0.94		0.80	0.73	0.29
Ki	-0.80	-0.83	-0.19	0.02	0.52	0.66	0.65	0.80		0.78	0.29
Fe	-0.80	-0.86	-0.27	-0.09	0.57	0.64	0.73	0.73	0.78		0.86
Ga	-0.89	-0.88	-0.09	-0.48	0.19	0.23	0.21	0.29	0.29	0.86	

$$Z = (a+d-b-c)/(a+d+b+c).$$

## INFORMANTS AND ABBREVIATIONS

### INFORMANTS

- Costanoan, Northern.--Information from San José Mission and vicinity.
- Costanoan, Southern.--Information from San Juan Bautista, Carmel, and Soledad missions.
- Antoniano Salinan.--Antonio Gomez. Of Antoniano descent.
- Migueleño Salinan.--Pacífico Gallego. Of Migueleño descent.
- Inezemio Chumash.--Maria Solares. Partly of Tulareño (Yokuts) descent. However, her information was checked, and it is pure Inezemio.
- Barbareño Chumash.--(B1) Luisa Ignacio. Of Barbareño and Spanish descent. (B2) Juan de Jesus Justo. Of Barbareño descent. Little information from B2.
- Ventureño Chumash.--(V1) Fernando Librado. Partly of Island Indian descent, but Ventureño information. (V2) Simplicio Pico. Mother Ventureño, father Spanish. (V3) Candelaria Valenzuela. Partly of Fernandeño descent, and had visited among Kitamuk. (V4) José Peregrino Romero. Pure Ventureño descent. Nearly all information from V1 and V3.
- Emigdiano Chumash.--Juan Valdez. Of mixed Chumash and Kern Lake Yokuts descent.

Kitanemuk Serrano.--(K1) Eugenia. Of mixed Kitanemuk and Kawaiisu descent. (K2) José Juan Fustero. Of mixed Kitanemuk and Alliklik descent. Nearly all information from K1.

Fernandeño.--Sétimo Lopez. Of Fernandeño descent.

Gabrielino.--(G1) José Maria Zaldidea. Of mixed Gabrielino and Shoshonean Island descent. (G2) José de los Santos Juncos. Of Juaneño (Ajachme) descent, but reared at San Gabriel. (G3) Felicitas Montaña. Of mixed Gabrielino and Shoshonean Island descent. Information mostly from G3.

### TRIBAL ABBREVIATIONS IN THE ELEMENT LIST

Cn	Costanoan, Northern
Cs	Costanoan, Southern
An	Antoniano Salinan
Mi	Migueleño Salinan
In	Inezemio Chumash
B1, B2	Barbareño Chumash
V1, V2, V3, V4	Ventureño Chumash
Em	Emigdiano Chumash
K1, K2	Kitanemuk Serrano
Fe	Fernandeño
G1, G2, G3	Gabrielino

## CULTURE ELEMENT DISTRIBUTIONS LIST

### SYMBOLS USED IN THE ELEMENT LIST

+ Present - Absent (+) (?) Probably present, or absent, or said to be; doubt on part of ethnographer · Inquired into but uncertain	R Recent * Asterisk indicates that there is a note to the element under "Ethnographic Notes on the Element List."
---	--

ELEMENTS	OCCURRENCE																	
	Cn	Gs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
HUNTING																		
1. Communal drive: with fire . . . . .					-								-					
2. Over cliff, occasionally, by chance													+					
3. Antelopes into enclosure . . . . .													+	+				
4. Rabbits . . . . .																		
5. Rabbits into net . . . . .						-	-						+	+	+		+	+
6. Running down deer . . . . .					+	+	+	+	+				+	+	+			+
7. Individually . . . . .					+	+	+	+	+				+	+	+			
8. In relays, or back and forth . . . . .					-	-	-	-	-				-	-	-			
9. Spring-pole snare: for deer . . . . .										-								
10. For small birds . . . . .						+	+	+										
11. For ducks, trigger under water . . . . .						-	-	-	-									
12. Running noose for deer . . . . .									-									
13. Fences with nooses in gaps for deer, rabbit, quail . . . . .										-								
14. Long nets for: deer . . . . .										-								
15. Rabbits . . . . .											-		+					
16. Quail . . . . .											-							
17. Ducks or geese . . . . .											-							
18. Pocket nets for small game . . . . .										-								
19. Woodpecker net trap . . . . .										-								
20. Basketry trap for quail, long . . . . .										-								
21. Deadfalls: for large game . . . . .										-								
22. For small game . . . . .	*	*					+		+				+					+
23. With acorn "trigger" . . . . .							+		+				+					+
24. Pitfalls for large game . . . . .										-								
25. Booths and blinds* . . . . .							+	+	+	+			+					
26. Live-bird decoys* . . . . .							-	-	-				-					
27. Stuffed bird skins . . . . .							-		-				-					
28. Deer- (antelope-) head disguise . . . . .							+	+	+	+		+	+	+	+	+	(+)	
29. Grass or brush deer-disguise worn . . . . .							+											
30. Bolas, 2 bones on string, for birds . . . . .							+			-								
31. Flares for flying geese, etc. . . . .										-								
32. Dogs for hunting . . . . .							+			-								
33. Rat nests burned . . . . .							+	+	+	+	+		+	+				
34. Fan for blowing smoke into ground-squirrel holes . . . . .							+	+		+	+							
35. Feather fan, brush on occasion . . . . .							+	+		+								
FISHING																		
36. Seine net, dragged or circled . . . . .												+	+	(+)				
37. Gill net*, set . . . . .											-							
38. Dip net* . . . . .											+	+						

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
39. Casting net . . . . .								-	-									
40. Stone sinker: transverse groove . . . . .							(+)	(+)										
41. Longitudinal groove . . . . .							(-)	(-)										
42. Holed sinker . . . . .							(-)	(-)										
43. Net floats . . . . .							(-)	(-)										
44. Long fishtrap twined of slender sticks . . . . .						+												
45. Fishing scaffold . . . . .												-						
46. Harpoon with foreshaft* . . . . .									+	+								
47. Inserted . . . . .									+									
48. Single toggle . . . . .									+									
49. Of bone, pitch, and cord . . . . .									+	+								
50. Quills used in toggle . . . . .									-	-								
51. Toggle barbed . . . . .									+									
52. Fish "spear" with one point . . . . .		+																
53. Bone point, one barb . . . . .		+																
54. Fish "spear" with 2 points, 1 barb each . . . . .		+							-	-								
55. Several prongs spread by ring . . . . .									-	-								
56. Gaff for raking fish . . . . .											-							
57. Double-pointed "hook" (gorget) . . . . .											-							
58. Sharp-angled hook of cactus spine . . . . .											-							
59. Of bone, 2 points . . . . .											+	+						
60. Circular hook . . . . .									+	+	+				+	(+)		
61. Of haliotis . . . . .									+	+	+				+			
62. Of mussel shell . . . . .										+	+							
63. Artificial fly of hair, feathers, etc. . . . .												-						
64. Large fish scoop of sticks . . . . .												-						
65. Catching crawfish with hands . . . . .												+						
66. Fish club . . . . .												-						
67. Neck of fish broken . . . . .												-						
68. Bonfire for night fishing . . . . .					+							-						
69. Fish poisoning . . . . .		+			+							+			+			
ANIMALS EATEN																		
70. Dog . . . . .		+	+					+				+			+		(+)	
71. Wolf . . . . .												+			+			
72. Coyote . . . . .						+						+			+			
73. Fox . . . . .												+			+			
74. Bear . . . . .		+	+					+				+			+			
75. Puma . . . . .		+	+					+				+			+			
76. Wildcat . . . . .		+	+					+				+			+			
77. Skunk . . . . .		+	+		-	+	(+)					+			+			
78. Raccoon . . . . .												+			+			
79. Tree squirrel . . . . .		+	+					+				+			+			
80. Mole . . . . .								+				+			+			
81. Eagle . . . . .								-							+			
82. Buzzard . . . . .								(-)	(-)						(-)			
83. Raven . . . . .								-							(-)			
84. Hawk . . . . .								(+)							+			
85. Owl . . . . .								-	(-)						(-)			
86. Dove . . . . .								(+)							+			
87. Mud hen . . . . .								+	+			+			+			
88. Snake . . . . .								+	+			+			+	(+)		
89. Lizard (guicos) . . . . .		(+)	+							(+)		+						
90. Tortoise . . . . .		+	+									+			+			
91. Frog . . . . .									(-)			(-)			(-)			

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
<b>FOOD PRACTICES AND TABOOS</b>																		
92. Fetuses taboo to young . . . . .	-	-						(+)					(+)					
93. Deer heart taboo to women . . . . .	-	-						(+)					(+)					
94. Quail eggs taboo to young . . . . .	-							-					-					
95. Heavy vague restrictions against a youth eating his kill . . . . .									+					+				
96. Mussels at times poisonous . . . . .		-				-	-	-	-	-	-							
97. Octopus poisonous . . . . .		+																
98. Sex hostile to deer hunting . . . . .	+	+	+	+	+	+	+	+	+	+	+		+	+				
99. To fishing . . . . .	(+)							(+)										+
100. Root incense before hunting . . . . .						-		-						-				
101. Ritual disposal of deer or fish bones. .									-									
102. Game believed immortal . . . . .									-									
103. All-night ceremony for deer hunt . . . .						-	-	-										
104. Singing at home while man hunts deer . .	+																	
105. Bad luck to follow wounded deer . . . .	+																	
106. Hunters should cook and eat game afield on the sly . . . . .									+				+					+
<b>FOOD GATHERING</b>																		
107. Crook for gathering acorns . . . . .		-						-										
108. Straight pole for knocking off . . . . .	+	+						+					+					
109. For live-oaks only . . . . .	+																	
110. Fork-top climbing pole . . . . .								-					-					
111. Cross-stick climbing pole . . . . .								-					-					
112. Sapling for tree climbing . . . . .								-					-					
113. Only men climb . . . . .													(+)					
114. Acorns leached: in sand basin . . . . .	+	+	+	+	+	+	+	+					+	+	+	+	+	+
115. On conifer boughs . . . . .								-	-				-	-	-	-	-	-
116. On fern leaves . . . . .	+																	
117. In openwork basket . . . . .	+	+	+	(+)		(+)							(+)					
118. Buried whole in mud . . . . .	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
119. "Molding" (whole kernel). . . . .	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
120. Acorn bread . . . . .								+	+				+					
121. Dyed red with fungus or earth . . . .	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
122. Cooked in earth oven . . . . .								+	+				+					
123. Acorn "biscuits," i.e., very thick mush . . . . .		+	+					+	+									
124. Mesquite . . . . .	-	-	-	-	-	-	-	-	-	-	-		*	-	-	-	-	-
126. Yucca . . . . .	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
127. Agave . . . . .	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
128. Chia ( <i>Salvia columbariae</i> ). . . . .	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+
129. "Grass" seeds . . . . .	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+
130. Wooden knife for cutting off heads . . . . .		-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
131. Buckeye nuts . . . . .	+	+	+	+									+					
132. Wild-plum-seed meal . . . . .	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+
133. Cactus fruit . . . . .								+	+	+	+			+	+	+	+	+
134. Cactus tongs . . . . .								+	+	+	+			+	+	+	+	+
135. Yellow-jacket larvae eaten . . . . .	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+
136. Grasshoppers . . . . .	+	+	+	+	+	+	+	+	+	+	+							
137. Caught in pits . . . . .								+										
138. Octopus eaten . . . . .	+							+	+	+	+							
139. Angleworms eaten . . . . .								-		(+)			-					
140. Caterpillars (chrysalids) eaten . . . .	+							+					(+)					
141. Salt from mineral . . . . .	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+
142. Seaweed (lettuce) dried and eaten . . .	+	+	+	+	+	+	+						+	+	+	+	+	+

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
143. Salt from burned "grass" . . . . .			-	-	-	-	-	-	-	-	-	-	-					
144. Salt from ocean . . . . .	+	+	(+)															
145. Honeydew . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
146. Digging stick for roots, etc. . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
147. Stone-ring weight . . . . .			-					(+)	(+)									
148. Footrest . . . . .			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
149. Soaproot as fish poison . . . . .	+	+		+	+	+	+	+	+	+	+			+				
150. As food (root). . . . .						+		+										
151. Shoots eaten green . . . . .									-									
152. Adhesive for coating brush . . .								+	+					+				
153. Vegetable chewing gum . . . . .			+	+	+	+	+	+	+	+			+					
154. Asphalt as chewing gum . . . . .		+	+	(+)	+												+	
<b>FOOD PREPARATION AND STORAGE</b>																		
155. Small mammals pulverized . . . . .			+	+	+	+	+	+						+				
156. Dried venison pulverized . . . . .													(+)					
157. Dried fish pulverized . . . . .								-	-									
158. Ground bone cooked . . . . .								-	-									
159. Marrow extraction . . . . .	+	+	+	+	+	+	+	+	+				+					
160. With little stick . . . . .	+	+																
161. Earth oven . . . . .			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
162. For Spanish bayonet cabbages, 4-foot diam. * . . . .						+												
163. For cacomites, diam. 3-4 feet . .							+											
164. Stone boiling in baskets . . . . .			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
165. Blood cooked in paunch or gut . . . .													(+)					
166. Parching, with coals, on basket, tossing 167. In pot, in mission times only . . .	+	+	+	+	+	+	+	+	+	+	+	+	+					
168. Sun drying of food . . . . .			+	+									R					
169. Smoke drying . . . . .			+	+									R					
170. Granaries, outdoors, on platform . . .													R					
171. With flat tule roof . . . . .													R					
172. Roughly coiled ("bird's nest") granary on ground . . . . .						+	+											
173. Roofed with grass . . . . .						+	+											
174. Storage indoors in large coiled baskets *													+	+	+	+	+	
175. Irrigation of wild crops . . . . .													-	-	-	-	-	
176. Burning for better wild crop . . . . .													-	-	-	-	-	
177. Agriculture . . . . .													-	-	-	-	-	
<b>HOUSES</b>																		
178. Ceremonial "sweat house," large, circular * . . . . .													+	(+)				
179. Ceremonial "sweat house" (like 178) plus small sweat house . . . . .													+	+	+	+	+	
180. Small sweat house only, semicircular * .													+	+	+	+	+	
181. Conical * . . . . .													-					
182. Domed (See 245-247) . . . . .													-					
183. Large sweat house: door at top . . . .														+	+			
184. Small sweat house: door at side . . . .														+	+			
185. Center posts. . . . .													-					
186. Medial posts . . . . .													-					
187. Many peripheral posts . . . . .													+					
188. Built in pit against bank, earth thrown against lower half of "temescal" . . . . .													+					

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
189. Door on level of ground, facing water . . . . .																		
190. No smoke hole . . . . .																		
191. Entrance rectangular . . . . .																		
192. Door of weeds . . . . .				(+)														
193. Stone platform outside door . . . . .				-														
194. Fireplace near center . . . . .				+														
195. On surface of ground, no pit . . . . .				+														
196. Large sweat house earth-covered all over												+	+					
197. Fireplace in center, or nearly. . . . .												+	+					
198. Posts of different heights set contiguous . . . . .												+						
199. Dwelling domed (See 204 f.) . . . . .	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+
200. Dwelling conical . . . . .	+	+																
201. Dwelling gabled, only from mission times			R	R		R										R		
202. 2-pitch roof . . . . .			R	R		R										R		
203. Nearly flat roof . . . . .			R	R		R										R		
204. Domed dwelling circular . . . . .	+	+	+	+	+	+	+	+	+	+	+		+			+		
205. Peripheral posts a step apart, no. varying, no central posts .			+	+	+	+	+	+	+	+	+		+			+		
206. Thatch of tule, wild alfalfa, fern, carrizo . . . . .			+	+	+	+	+	+	+	+	+		+			+		
207. Pole binders for thatch . . . . .			+	-	-	-	-	-	-	-	-							
208. Mats as covering . . . . .			+	-	-	-	-	-	-	-	-					-		
209. Of tule . . . . .			+	-	-	-	-	-	-	-	-					-		
210. Earth cover all over . . . . .			-	-	-	-	-	-	-	-	-					-		
211. Skins for cover . . . . .			-	-	-	-	-	-	-	-	-					-		
212. Entrance faces "street" or beach, so would not face N wind . . . . .						+	+	+					+			+		
213. Smoke hole the main entrance . . . . .						-	-	-	-	-	-		-	-	-	-	-	-
214. Second side or back entrance . . . . .						-	-	-	-	-	-		-	-	-	-	-	-
215. Entrance rectangular or nearly so			+	+	+	+	+	+	+	+	+		+					
216. Entrance covered with mat of tule	*		+	+	+	+	+	+	+	+	+		+					
217. Entrance flush with wall, no tunnel . . . . .			+															
218. Stone platform outside door . . . . .			-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
219. Fireplace in center, or nearly so			+	+	+	+	+	+	+	+	+		+			+		
220. Fireplace on surface or slight hollow from throwing out ashes.												+				+		
221. Communal house *			+	+	+	+	+	+	+	+	+		+					
222. Separate entrances . . . . .												-	-			-		
223. Separate fires . . . . .												-	-			-		
224. Separate allotments of space . . . . .												+	+			+		
225. Partitions mere tule mats . . . . .												+	+					
226. Families related . . . . .												+	+					
227. Beds on raised scaffold *												+	+	+	+			
228. Mats for bedding *												+	+	+	+	+		
229. Skins for bedding, esp. bearskins												+	+	+	+			
230. Whale-vertebra stool . . . . .												+	+	+	+	+		
231. Ladder (only in large sweat house) . . . . .												+						
232. Earth oven inside house, separate from fire . . . . .												*	-	-		-		
233. Houses in single or double row *												+	+	+	+	+		
234. Brush-fence ceremonial structure . . . . .												+	+	+	+	+	+	
235. Of tule mats . . . . .												+	+	+	+	+	+	
236. Only in summer . . . . .													-			-		
237. Primarily for mourning ceremony .												*				-		
238. Circular. . . . .												+	+	+		-		
239. Center post . . . . .												-	-	-		-		
240. Direction of entrance fixed *												.	.	.		.		

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
241. Roofed . . . . .					-	-	-						-	-	-	-	-	-
242. Screen in rear for performers . .					-	-	-	-	-	-	-		-	-	-	-	-	-
243. Sides and seat allotment . . . .					-	-	-	-	-	-	-		-	-	-	-	-	-
244. Near chief's house . . . . .													+	+	+	+	+	+
245. Small (steam-heated ?) sweat house, domed (see no. 182) . . . . .					+	+												
246. Built against bank (see no. 182) .							+		+				+	+	+	(+)		
247. Covering of brush (see no. 182) .							+		+									
248. Menstrual hut * . . . . .					+	+			+				+			(+)		
249. Dog hut . . . . .							-	-	-				-					
250. Drying house for fish or meat . . . .									-									
251. House or shade for grinding . . . . .					-	-	-	-	-				-					
252. Sweating by direct fire heat (see nos. 178-198) . . . . .					+ +			+	+	+			+ +			(+)		
253. Sweat-house singing . . . . .										+								
254. Competitive sweat groups * . . . .										+								
255. Sweating daily . . . . .							+	+	+	+	+	+	+ + +					
256. Sweat-house fuel-gathering ritual										-								

## NAVIGATION

257. Simple dug-out boats . . . . .																		+ +
258. Hollowed by burning . . . . .													(+)	(+)				
259. Plank boat *													+ +	+ + + +				+ + +
260. Planks drilled, lashed, calked with asphalt . . . . .													+ +	+ + + +				+ +
261. Large stone for anchor . . . . .													+ +					
262. Balsa (tule-rush raft boat). . . . .					+ +								+ +					
263. Prow curved up . . . . .													+ +					
264. Three bundles . . . . .													+ +					
265. Lashed together . . . . .													+ -	+ +				
266. Pinned together with sticks . . . .													- -					
267. One or two passengers . . . . .													+ +					
268. Usable on ocean . . . . .													+ +					
269. Paddle double-ended . . . . .													+ +					
270. Log raft . . . . .													- -	- -	- -	- -	- -	- -
271. Ferriage in baskets . . . . .													- -	- -	- -	- -	- -	- -
272. Ferriage in pots . . . . .													- -	- -	- -	- -	- -	- -

## GRINDING UTENSILS

273. Stone mortars: bedrock . . . . .													+ +	+ + + +				
274. Portable. . . . .													+ +	+ + + +				
275. Hollowed, spheroid, out- side ground . . . . .													+ +	+ + + +				
276. Hollowed, outside rough hewn . . . . .													+ +	+ + + +				
277. Slab (?) . . . . .													+ +	+ + + +				
278. Squared . . . . .													- (-)	(-)				(-)
279. Special, small, for paint, medi- cine, tobacco, etc. . . . .													+ +	+ + + +				
280. Used by poisoner only . . . . .													- (-)	(-)	(-)	(-)	(-)	(-)
281. Sunk in ground (sometimes). . . .													+ (+)	+ +				+
282. Made by Coyote or myth people . .													- -	- -	- -	- -	- -	- -
283. Made by recent humans . . . . .													+ +	+ + + +				
284. Wood mortars, hollowed . . . . .													+ (+)	(-)				(-)
285. In end of log . . . . .													- (-)					
286. In side of log . . . . .													+ (+)					

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
287. Sunk in ground . . . . .		*	(+)															
288. Pounding slab . . . . .		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
289. Hopper basket: set on . . . . .			(-)	(-)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
290. Asphalted on . . . . .			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
291. Pestles of wood . . . . .			(+)		(-)	-	-	-	-	-	-	-	-	-	-	-	-	-
292. Pestles of stone . . . . .		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
293. Natural . . . . .			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
294. Shaped . . . . .			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
295. Ring near top (?) . . . . .			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
296. Ring near bottom . . . . .																		+
297. With bulb end . . . . .																		
298. Long, slender (ca. 2 ft.), for deep stone mortar. . . . .																		
299. Metates or grinding slab, more or less oval (?) . . . . .			(+)	(+)	(+)	+	+						(+)					+
300. Used on one side . . . . .						+	+											
301. Used on both sides . . . . .								+										+
302. Sunk in ground . . . . .						+	+											+
303. Mullers: oval . . . . .						(+)	(+)	+	+	+	+	+	(+)	+	+	+	+	+
304. Squared, Mexican style . . . . .		+	+		(-)	(-)	-	-	-	-	-	-	(-)	-	-	-	-	-
305. Looped . . . . .						-	-	-	-	-	-	-	-	-	-	-	-	-
306. 2-horned . . . . .													(-)					
307. Back and forth motion, Mexican style . . . . .		+	+															
308. Round or elliptical motion . . . . .						(+)	(+)	+	+	+	+	+	+	+	+	+	+	+
HOUSEHOLD IMPLEMENTS																		
309. Brushes: soaproot . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
310. Hair . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
311. Mealing . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
312. Agave fiber . . . . .													(-)					-
313. Other fiber . . . . .													(-)					(-)
314. Roots for hair . . . . .													(-)					(-)
315. Pine burr for hair . . . . .													-					-
316. Porcupine tail for hair . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317. Swab for sipping . . . . .	-		(-)	(-)		(-)						(-)		(-)				
318. Food stirrer: 1-stick . . . . .			(-)	(-)		(-)							(-)					(-)
319. 3-stick . . . . .			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320. Paddle . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
321. Looped stick . . . . .			(-)	(-)	(-)	(-)							(-)					-
322. Stone lifter: looped stick . . . . .			(-)	(-)	(-)	(-)							(-)					
323. 2-sticks . . . . .			(-)	(-)	(-)	(-)							(-)					(-)
324. Split stick . . . . .			(-)	(-)	(-)	(-)							(-)					
325. Spoons: horn . . . . .			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326. Shell, natural . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
327. Wood . . . . .			(-)	(-)	(-)	(-)							(-)					(-)
328. Pottery . . . . .			-	-	-	-							-					
329. Gourd (dipper)* . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
330. Bark platter for meat . . . . .			(+)	(+)									(+)					+
331. Wood platter for meat . . . . .			(-)	(-)	(-)	(-)							(-)					-
332. Wood bowls . . . . .			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
333. Cylindrical box with lid . . . . .			(-)	(-)	(-)	(-)							(-)					-
334. Steatite fry-pan . . . . .			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
335. Trapezoidal, holed . . . . .			(+)	(+)	+	+	+	+	+	+	+	+	(+)	(+)	+	+	+	+
336. Small-mouthed vessels, spheroid (olla) .			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
337. Open cooking vessel, directly over fire.			(+)	(+)	+	+	+	+	+	+	+	+	+	+	+	+	+	+
338. Flat bottom . . . . .			(-)	(-)	-	-												-
339. Rounded bottom . . . . .			(+)	(+)	+	+	+	+	+	+	+	(+)	(+)	+	+	+	+	+





## BODY ADORNMENT--HABITUAL \*

## Hair

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
495. With tweezers . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+	+	
496. Shaving with obsidian flake . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
497. Depilation of body hair . . . . .	-	(+)	(+)	(+)	(+)	(+)	(+)	(+)	(+)	(+)	(+)	(+)	-	-	(+)	-	-	
498. Depilation of eyebrows . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
499. Coiffure: loose, m,f . . . . .	*+	(+)	(+)	+	+	+	+	+	+	+	+	+	+	(+)	(+)	(+)	(+)	
500. Parted in middle, m,f . . . . .					(+)	(+)	(+)	(+)	(+)	(+)	(+)	(+)						
501. Part painted red . . . . .					-	-	-	-	-	-	-	-						
502. Knotted in back, m,f . . . . .						+	+	+	+	+	+	+						
503. One tie at neck with string, m,f.					+ +	(+)	(+)	(+)	(+)	(+)	(+)	(+)	*+					
504. In pencils *	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
505. One braid down back, m,f . . . . .						+	+	+	+	+	+	+	+	+	+	+	+	
506. Two braids front of shoulders, m,f	+												*R	*R				
507. Doubled back or tied on top of head, m,f . . . . .	*+	*	*															
508. Clay hair washing against lice, m,f . . .						+	+	+	+	+	+	+	+	+	+	+	+	
509. Mesquite hair dye in mud plaster . . . . .						-	-	-	-	-	-	-	-	-	-	-	-	
510. Other hair dye . . . . .						-	-	-	-	-	-	-	-	-	-	-	-	
511. Oil or marrow hair-oil, m,f . . . . .						+	+	+	+	+	+	+	+					
<u>Mutilations</u>																		
512. Ear lobe bored, m,f . . . . .	*+	*	+	+	+	+	+	+	+	+	+	+	+			+	+	
513. Nasal septum bored, men . . . . .	*+	*	+	+	+	+	+	+	+	+	+	+	(+)	(+)	(+)			
514. Intentional head deformation, fronto- occipital . . . . .			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
515. By manipulation, with hands only.																		
516. Tattooing, m,f . . . . .	*+	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
517. Face . . . . .			+	+														
518. Chin nearly solid . . . . .					(+)	(+)	(+)	(+)	-	-	-	-	-	-	-	-	-	
519. Chin, vertical lines . . . . .					(+)	(+)	(+)	(+)	-	-	-	-	(+)	-	-	-	-	
520. Horizontal or radiatory across cheeks . . . . .					-	-	-	-	-	-	-	-	-	-	-	-	-	
521. On forehead . . . . .																		
522. Arms . . . . .																		
523. Thighs . . . . .																		
524. Special fate of soul of untattooed . . . . .						-	-	-	-	-	-	-	-	-	-	-	-	
<u>Ornaments</u>																		
525. Necklaces: clamshell beads, m,f . . . . .																		
526. Whole olivella shells, m,f . . . . .																		
527. Olivella beads, m,f . . . . .																		
528. Squared, m,f . . . . .																		
529. Dentalia . . . . .																		
530. Bear claws . . . . .																		
531. Eagle claws . . . . .																		
532. Deer hoofs . . . . .																		
533. Belts, clamshell beads or human hair . . .																		
534. Woodpecker scalp . . . . .																		
535. String, of Indian hemp *																		
536. Ear ornaments: elder or Carrizo tube for tobacco; men . . . . .																		
537. Others . . . . .																		
538. Nose ornaments: "nose-stick"; men . . . . .																		
539. Shell . . . . .																		
540. Bone, bipointed . . . . .																		
541. Feather . . . . .																		
542. Pendant, shell or string of beads													(+)	(+)	(+)	(+)	(+)	(+)

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
<u>Nonritual Paint</u>																		
543. Pigments: red spruce fungus . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
544. Red mineral (from ground) * . . . . .	+	+						(-)	(-)	(-)	(-)	(-)						
545. Red mineral (scum off pools) . . . . .	-	-						*										
546. White mineral * . . . . .	+	+																
547. Applied to: face . . . . .	+	+						+										
548. Body . . . . .	+	+																
549. Applied by: roller printing . . . . .	-	-																
550. Fingers . . . . .	+	+																
551. Brush . . . . .																		
552. Cosmetic: mud . . . . .	+	+																
<u>Miscellaneous</u>																		
553. Flowers in hair or ear . . . . .	+	+	+	+	+	+	+	+	+	+	+	+					+	
554. Around necks of little girls . . . . .								+									+	
555. Haliotis pendants and ornaments . . . . .	+	+			+	+	+	+	+	+	+	+						
556. Powdered steatite to prevent chafing . . . . .							(-)	(-)										
BODY ADORNMENT--RITUAL AND FESTIVAL																		
<u>Head</u>																		
557. Topknot type, bunched in center (Hdbk, 508) . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	(+)	
558. Base of various feathers . . . . .																		
559. Magpie-feather bunch . . . . .	+							(+)										
560. Roadrunner-tail-feather bunch . . . . .																		
561. Bunches of owl feathers (S. Cal. type) . . . . .	-	-																
562. 2 feathered sticks, 1 each side . . . . .																		
563. Spliced condor feather, trimmed with woodpecker scalps . . . . .	-	-	-	-	-	-	-	-	-	-	-	-						
564. 3 rods, woodpecker covered . . . . .	-	-	-	-	-	-	-	-	-	-	-	-						
565. Feather "forks and darts" (cf. Dixon, Maidu), flicker-quill attachment . . . . .	-	-	-	-	-	-	-	-	-	-	-	-						
566. Yellowhammer-quill bands . . . . .	+	+	(+)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
567. All trimmed, edge even . . . . .								-	-	-	-							
568. Feather tips at intervals . . . . .								-	-	-	-							
569. Feathers untrimmed (Luiseño type) . . . . .								+	+	+	+							
570. Other than yellowhammer . . . . .																		
571. Worn on forehead . . . . .								+	+	+	+							
572. Worn down back . . . . .									(+)									
573. Worn as bandolier . . . . .									(+)									
574. Hung on pole as banner . . . . .										+	+						+	
575. Woodpecker scalp . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
576. Fur . . . . .	(-)	(-)																
577. Sea-lion tooth . . . . .																	(+)	
578. Haliotis-shell rim "horns" . . . . .																		
579. Headdress of human hair . . . . .	-	-	-	-	-		(+)	-	-	-	-	-	-	-	-	-	-	
580. Other than headband . . . . .	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	
581. "Big head," radiating feather-tipped sticks or similar for bole dance . . . . .	(+)	-	-	-	-			-	-	-	-	-	-	-	-	-	-	
582. Head hoop of woodpecker scalps . . . . .	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	
583. Feather visors . . . . .	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	
584. Flat "wand" on forehead, snake rattles attached, painted red . . . . .	-	-	-	-	-			-	-	-	-	-			(+)			
585. Flint or crystal on end . . . . .	-	-	-	-	-			-	-	-	-	-			(+)			
586. "Masks" (face covering) . . . . .	-	-	-	-	-			-	-	-	-	-						



	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
CLOTHING																		
622. Headgear: basketry cap, for carrying only *					+	+	+	+	+	+	+		+	+	+	+	+	
623. Cap of animal fur, pre-Caucasian.					-	-	-	-	-	-		( )						
624. Hair net . . . . .					-	-	-	-	-	-		-						
625. Eyeshade . . . . .					-	-	-	-	-	-	-	-	-	-	-	-	-	
626. Robes and capes: of hide (hair on), bear *						+												
627. Sea-otter (probably sewed together). . . . .							+	+										
628. Buffalo (imported) . . . . .					-	-	-	-	-	-	-	-						
629. Deer, single skin . . . . .								+					+		+	+	+	
630. Deer, double skin, painted								-					-					
631. Buckskin (dehaired), with quail tops, single, painted . . . . .								-	-	-								
632. Feather robes, double warp of cords with feather insertions .								+	+									
633. Warps of bird skin twisted with cords . . . . .								-	-									
634. Woven rabbitskins (technique under Textiles) . . . . .	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	
635. Vegetable fiber . . . . .						-	-	-	-	-	-	-	-					
636. Buckskin shirts and gowns . . . . .					-	-	-	-	-	-	-	-	-	-	-	-	-	
637. Cougar or deerskin around middle of body					( )	( )	-	-	-	-	-	-	-	-	-	-	-	
638. Breechclout (between legs) . . . . .					-	-	-	-	-	-	-	-	-	-	-	-	-	
639. Small front apron: of unfringed buckskin *						+												
640. Of slit (fringed) buckskin, larger. . . . .														+				
641. Of shredded inner bark of cotton- wood or willow . . . . .							( )						-					
642. Of "grass" . . . . .							-											
643. Of network . . . . .					+			-	-	-								
644. Of seeds, strung . . . . .							-											
645. Worn alone, sometimes . . . . .								+										
646. Worn with back apron . . . . .								+						+				
647. Large back apron: of buckskin . . . . .	+							+	+	+	+							
648. Of sewed sea-otter skins . . . . .								+	+	+	+							
649. Of fringed buckskin . . . . .								+	+	+	+							
650. Of tules . . . . .								-										
651. Of shredded inner bark of cotton- wood or willow . . . . .								( )					-					
652. Of braids or cords . . . . .								-					-					
653. Back apron merely an animal skin with hair on . . . . .															+			
654. One-piece skirt . . . . .								-	-	-	-							
655. Two-piece skirt, sewn both sides . . . . .								-	-	-	-							
656. Mittens, of animal skin . . . . .								-	-	-	-							
657. Leggings, buckskin, short (to knee). . . . .					( )	( )		-	-	-	-	+	+					
658. Footgear: snowshoe of circular type . . . . .					-	-		-	-	-	-	-	-	-	-	-	-	
659. Tule moccasin . . . . .								-	-	-	-							
660. Yucca-fiber sandal . . . . .															+	+	+	
661. Imported . . . . .																		
662. Leather sandal (pre-Caucasian?) . . . . .	+	+	+	+		+	+	+	+	+	+		+	+	+	+	+	
663. Separate sole (pre- Caucasian) . . . . .								-	-	-	-							
664. High moccasin, hard sole . . . . .								-	-	-	-			( )		( )		
665. Habitually barefoot . . . . .	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	
666. Naked (men, boys, girls) . . . . .	*	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	
667. Body coated with mud or clay, for warmth												+						

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
668. For coolness . . . . .		-						+										
669. Buckskin bandolier across shoulders . . .					-	-	-	-										
670. Bandolier as regalia . . . . .								(+)										
POSTURES																		
671. Sitting: crosslegged (Turkish) . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+				+	
672. On knees and toes, buttocks on heels, feet crossed * . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+				+	
673. Feet drawn back, both same side .	+	+	+	+	+	+	+	+	+	+	+	+	+				+	
674. One leg drawn back, as above, other stretched out . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+				+	
675. One leg drawn back, as above, other knee up . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+				+	
676. Knees drawn up, clasped . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+				+	
677. Both legs stretched out in front. 678. Feet crossed (occasionally)	+	+	+	+	+	+	+	+	+	+	+	+	+				+	
679. Squatting more frequent than sitting . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+				+	
683. Sexual: girl scratches at first inter- course . . . . .			+	+														
684. Hymen, no word obtainable *	-	+	+			+		+				+	+				+	
685. Foreskin habitually retractive, probably in certain individuals												+						
686. Foreskin habitually covering glans . . . . .	+											+						
BURDENS																		
(Carrying Baskets under Basketry)																		
688. Pack strap: skin . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+				(+)	
689. Woven . . . . .			(+)	+	+			(+)										
690. Spreading . . . . .			(-)	(-)	-													
691. Across head . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
692. Across shoulder-chest . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
693. Pack string for bringing home wood . . . . .						+	+						+					
694. Small net sack, often in hand . . . . .			(+)	(+)	+	+	+	+	+	+	+	+	+				+	
695. Trapezoidal . . . . .			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
696. Large back net ("hammock") . . . . .	+	+	+	+	+	+	+	+	+	+	+	+				+	+	
697. Adjustable loop . . . . .													+					
698. Large back net sack . . . . .						+	(+)	(+)	(+)	(+)								
699. Frames on back . . . . .						-	-	-	-	-	-	-	-	-	-	-	-	
700. "Coolie yoke" . . . . .																		
701. For hoops of fish . . . . .																		
702. Rolled case of twined stems . . . . .						+	+	+	+	+	+	+	+		+	+	+	
703. Folded case of skin . . . . .						-	-	-	-	-	-	-	-	-	-	-	-	
704. Whole cased skin "bag," deer . . . . .						-	-	-	-	-	-	-						
705. Loads on head, willowbark or rag rings .	+	+															+	
706. Litter, for sick . . . . .													(+)	(+)	(+)			
707. For dead . . . . .	+	+											+	+	+	+	+	
BASKETRY																		
708. Coiling: clockwise (when looking into basket) . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+				+	
709. Counterclockwise . . . . .			-	-	-	-	-	-	-	-	-	-	-				-	

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
710. To left of worker . . . . .			- -		- -			-		-			-			-		
711. To right of worker . . . . .			+ +		+ +			+ +		+ +			+			+		
712. Awl enters inside of basket . . .			+ +		+ +			+ +		+ +			+			+		
713. Awl enters outside of basket . . .			- -		- -			-		-			-			-		
714. Foundation: bundle . . . . .			+ +				(+)		+ +				+			+	+	
715. Single-rod . . . . .			- -		- -			-		-			-			-	-	
716. Multiple-rod . . . . .					+ +			+ +		+ +			(+)		(+)	(+)		
717. Bottom: coiled . . . . .			+ +		+ +			+ +		+ +			+			+		
718. Checker . . . . .			(+) (++)		- -			-		-			-			-		
719. Solid piece of wood . . . . .			- -		- -			- -		- -			- -		- -	- -	- -	
720. Twining: clockwise (when looking into basket) . . . . .			+ +				+ +		+ +									
721. Counterclockwise . . . . .								-		-								
722. To left of worker . . . . .								-		-								
723. To right of worker . . . . .							+ +		+ +									
724. Downward lean (\) of outer weft, basket upright . . . . .							(+)											
725. Upward lean (/) of same . . . . .							(+)											
726. Weft: plain 2-strand . . . . .			+ +				+											
727. Wrapped (1-weft around slat). . . . .								-		-								
728. Lattice (2-wefts and slat) . . . . .							-		-									
729. Diagonal . . . . .							-		-									
730. 3-strand in courses only . . . . .							+		+									
731. Overlay . . . . .			- -		- -		- -	- -	- -	- -	- -		- -	- -	- -	- -	- -	
732. Closework . . . . .			+ +		+ +		+ +	+ +	+ +	+ +	+ +		+ +	+ +	+ +	+ +	+ +	
733. Openwork . . . . .			+ +															
734. Cross warp . . . . .							- -	-	-									
735. Bottom (starting knot) 4 warps (2 pairs)* . . . . .			+ +	(+) (+)	+ +		+ +		+ +				+				+	
736. Checker or wicker . . . . .					- -		- -	- -	- -	- -	- -		- -	- -	- -	- -	- -	
737. Cap: round top * . . . . .					(+) (+)	(+) (+)	(+) (+)	(+) (+)	+ +	+ +	+ +		+ +	+ +	+ +	(+)		
738. Flat top . . . . .					(+)	+ +	+ +	+ +	+ +	+ +	+ +		+ +	+ +	+ +	+ +	+ +	
739. Twine, plain or diagonal . . . . .						- -	- -	-	-	-	-		-	-	-	-	-	
740. Coiled . . . . .					+ +	+ +	+ +	+ +	+ +	+ +	+ +		+ +	+ +	+ +	+ +	+ +	
741. Decorated . . . . .					(+)	(+)	+ +		+ +		+ +		+ +	+ +	+ +	(+)		
742. Woven on . . . . .								+ +		+ +			+ +	+ +	+ +	+ +	+ +	
743. Painted on . . . . .								-		-								
744. Seed beater: oval with handle, simple twined . . . . .			+ +	- -	- -	- -	- -	- -	- -	- -	- -		- -	- -	- -	- -	- -	
745. Circular . . . . .					- -	- -	- -	- -	- -	- -	- -		- -	- -	- -	- -	- -	
746. Twined: "parallel" warp with hoop and handle . . . . .							+ +	+ +	+ +	+ +	+ +		+ +	+ +	+ +	+ +	+ +	
747. Spoke warp* . . . . .					- -	- -	- -	- -	- -	- -	- -		- -	- -	- -	- -	- -	
748. Wicker . . . . .					- -	- -	- -	- -	- -	- -	- -		- -	- -	- -	- -	- -	
749. Stick with loop . . . . .					+ +													
750. Winnowing and sifting basket: triangular *			+ +	(+)	(+)	- -	- -	-	-	-	-		-					
751. Diagonally twined . . . . .					(+)	(+)	- -	- -	-	-	-							
752. Circular (coiled) . . . . .					(+)	(+)	+ +	+ +	+ +	+ +	+ +		+ +	+ +	+ +	+ +	+ +	
753. Oval . . . . .							- -	- -	-	-	-		-	-	-	-	-	
754. Plain twining . . . . .			+ +			- -	- -	-	-	-	-		-	-	-	-	-	
755. "Parallel" warp* . . . . .			+ +			- -	- -	-	-	-	-		-	-	-	-	-	
756. Close . . . . .			+ +			- -	- -	-	-	-	-		-	-	-	-	-	
757. Coiled (circular) . . . . .					(+)	(+)	+ +	+ +	+ +	+ +	+ +		+ +	+ +	+ +	+ +	+ +	
758. Decorated . . . . .					+ +	(+)	+ +	+ +	+ +	+ +	+ +		+ +	+ +	+ +	+ +	+ +	
759. Bone tapper when sifting . . . . .					- -	- -	- -	- -	-	-	-		-	-	-	-	-	
760. Leaching basket (if distinct): twined openwork . . . . .			+ +															
761. Gambling tray . . . . .					(+)	+ +	+ +	+ +	+ +	+ +	+ +		-					
762. Coiled . . . . .					(+)	+ +	+ +	+ +	+ +	+ +	+ +		-					





	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
868. Bird-skin blankets, double-stringed quill-wrapped warp and double-stringed weft . . . . .						+ +												
869. Mat of tule, twined, whole stems . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
870. Tule skin . . . . .	+	+			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
871. Sewn, whole stems pierced . . . . .	(+)	(+)	+	+				+	+			+		+				
872. Checker . . . . .			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
873. Mats of ropes of mescal (?) fiber . . . . .			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
874. Nets: mesh spacer of elkhorn . . . . .			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
875. Wooden mesh spacer . . . . .												(+)						
876. Net shuttle of wood (Yurok type) . . . . .												(+)						
877. 2-piece net shuttle . . . . .			- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
CRADLES																		
878. Sitting cradles . . . . .					- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
879. Lying cradles: board . . . . .					- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
880. Y frame * . . . . .	(+)	+	+	+				+	+	+	+	+	+	+	+	+	+	+
881. Kite frame * . . . . .	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
882. Y-kite frame * . . . . .	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
883. Hooked-ladder frame * . . . . .	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
884. Soft tule . . . . .	(+)	(+)	(+)										(+)					(+)
885. Basketry, vertical or horizontal warps * . . . . .	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
886. U ladder * . . . . .	(+)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+
887. Oval ladder . . . . .	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
888. U frame, vertical warp * . . . . .	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
889. Hood . . . . .	(+)																	-
890. Skin for hood . . . . .												(+)						+
891. Pendants . . . . .												(+)						
892. Belt (lashing): skin strip . . . . .																		+
893. Vegetable fiber . . . . .												+						
894. Braided strands (no.) . . . . .													(3)					3
895. Woven (on frame) . . . . .												+						
896. Method of carrying: cradle strap across breast . . . . .												+	+	+				+
897. Cradle strap across forehead . . . . .												+	+	+				+
898. Cradle held on hip . . . . .													+					+
899. Child held on lower back . . . . .												+	+	+				+
900. Child held on hip . . . . .												+	+	+				+
901. Child held under arm head forward . . . . .												+	+	+				+
902. Child in carrying net . . . . .																		+
903. Skin toe or covering . . . . .												- -	- -	- -	- -	- -	- -	- -
904. Cradles made by men . . . . .													+					+
905. Sex of child indicated by hood or belt design, or cradle shape . . . . .												- -	- -	- -	- -	- -	- -	- -
CORDAGE																		
906. Materials: Indian hemp ( <i>Apocynum</i> ) . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
907. Milkweed ( <i>Asclepias</i> ) . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
908. Iris . . . . .	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
909. Reed ( <i>Phragmites</i> ) . . . . .	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
910. Nettle ( <i>Urtica</i> ), 2 species . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
911. Human hair used . . . . .												(+)						(+)
912. 2-ply string . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
913. 3-ply string . . . . .												+		+				(+)
914. 4-ply string . . . . .												+						+

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
915. For heavier rope, several strands of 2-ply . . . . .								+ . . . .					+ . . . .			+ . . . .		
916. Manufacture: rolled on thigh . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
917. Spinning stick with crosspiece . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
918. Spindle whorl . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
919. Made by both sexes . . . . .	+	+	+	+	+	+	+	+					+					+
920. Braided rope, but learned from mission times * . . . . .								R . . . . .										
921. Ropes of withes of grapevine, etc. (e.g., for bringing home wood) . . . . .	+	+	(+)	(+)	+	+	+					+	+					
922. Thumb guard of mussel for fiber drawing.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POTTERY																		
923. Coiled with paddle and cobble . . . . .														(+)	(+)	(+)		
924. Temper: none (already in clay) . . . . .																		+
925. Rim bound with fiber . . . . .														-				-
926. Firing in open bark fire . . . . .																		(+)
927. Shape: spheroid (max. diam. 8 in. at belly) . . . . .																		+
928. Pot rests: of pottery . . . . .														-	-	-	-	-
929. Of stone . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
930. Three . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
GAMES																		
931. Ball race, each side a ball, kicked in same direction . . . . .																		
932. Field: definite . . . . .	-	-	-	-	-	-	-	-	-	-	-	-						
933. Along a course and return (usually)* . . . . .	+	+	+	+	+	+	+	+	+	+	+	+						
934. Puck: wood ball (a little bigger than a baseball) . . . . .	+	+	+	+	+	+	+	+	+	+	+	+						
935. Stuffed buckskin ball, stone, stick, hoop . . .								-										
936-8. Propulsion: with curved, straight, or looped stick . .														-				
939. With bare feet* . . . . .	+	+	+	+	+	+	+	+	+	+	+	+						
940. Goal: hole . . . . .														-				
941. Paired posts, at one end of field . . . . .														+				
942. Single post for each side at same end of field . .														+				
943. Any set place . . . . .								+	+	+	+	+						
944. Speed wins . . . . .								+						+				
945. Fewest number of strokes wins . .														-				
946. Number on a side 1 or 2 . . . . .	+	+	+	+	+	+	+	+	+	+	+	+		+				
947. Betting . . . . .	+	+	*	*	*	*	*	*	*	*	*	*		*				
948. Two umpires . . . . .								+						+				
949. Umpires on horseback sometimes..								R						R				
950. Shinny: 1 puck, each side a different direction, on a definite field . . . .								+	+	+	+	+		+		+		
951. Puck: wood ball . . . . .	+	+	+	+	+	+	+	+	+	+	+	+		+		+		
952. Elk astragalus or other bone . . . . .														-		-		
953. 2 sticks tied to ends of buckskin cord . . . . .														-				



	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
1000. Six dice . . . . .				+														
1001. Burnt for ornamentation . . . . .																		
1002. Painted, flat side white, round side black . . . . .				+														
1003. All white up or all black up scores . . . . .				+														
1004. Mixed white and black up does not score . . . . .				+														
1005. All in neutral pile first . . . . .				+														
1006. Dice--disk type: half walnuts . . . . .						+	+					+						
1007. Asphalt filled . . . . .						+	+					+						
1008. Shell inlay . . . . .						+						+						
1009. Eight dice . . . . .						+						+						
1010. Points for all up . . . . .						+						+						
1011. Points for all down . . . . .						+						+						
1012. Played on basket . . . . .						+						+						
1013. Foot-bone dice: cow (calf) . . . . .	+	+		+	+							+		-			+	
1014. Pre-Caucasian . . . . .				(-)	(-)							(-)						
1015. Games, toys: jacks with stones . . . . .	+	+										-						
1016. Acorn top (stick handle) . . . . .						+						-						
1017. Acorn buzzer (on string) . . . . .			+	+				+				+						
1018. Cat's cradle . . . . .	+	+		+	+		+					+						
1019. Static figures . . . . .				+	+		+					+						
1020. Played by women . . . . .				+	+	+						+						
1021. Juggling . . . . .				-								-						
1022. Archery: stationary mark . . . . .	+	+																
1023. Mark thrown (little tule bundle) . . . . .		-										+					+	
1024. For distance . . . . .			(+)	(+)								+						+
MONEY																		
1025. Dentalia. . . . .						-	-	-	-	-	-	-	-	-	-	-	-	-
1026. Olivella: whole shell as bead . . . . .	+	+		+	+		+	+				+						+
1027. Whole shell double strings . . .																		
1028. Shell disk money . . . . .	+	+		+	+		+	+				+	+		+	+	+	+
1029. Shells squared . . . . .						-	-	-	-			-						
1030. String of human hair . . . . .						-	-	-	-			-						
1031. Clam shell: disk money. . . . .	+	+		(+)	(+)		+	+				+						
1032. Cheapest form of money . . . . .												-						
1033. Magnesite cylinders as treasure . . . . .						-	-	-	-			-	-	-	-	-	-	-
1034. Shell cylinders as treasure . . . . .						(+)	(+)	+	+			+					(+)	
1035. Human-hair string . . . . .												-						
1036. Loans at interest . . . . .							+											
1037. 4-fathom string (Cah. witcat) . . . . .																	(+)	
1038. Methods of measure: around hand . . . . .						+	+	+	+			+			+		+	
1039. Breast nipple to end of opposite arm . . . . .						-	-					-						
1040. Sternum to end of arm . . . . .						-	-					-						
1041. True fathom . . . . .						-	-					(+)						
PIPES																		
1042. L-shaped: stone . . . . .						-	-	-	-	-	-	-	-	-	-	-	-	-
1043. Obtuse angled: stone . . . . .							+	+				+	+		(+)		(+)	
1044. Pottery . . . . .						-	-	-	-	-	-	-	-	-	-	-	-	-
1045. Tubular: cane . . . . .	+	+				+	+	+	+			+	+		+	+	+	+
1046. Elder . . . . .												(+)						



	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
1090. Private by shaman . . . . .								-	-									
1091. Produces wind, rain, health, etc. . . . .								-	-									
1092. Musical bow . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
1093. With finger . . . . .	+	+	+	+	+	+	+	+					+				+	
1094. With stick . . . . .	-	-	-	-	-	-	-	-					-				-	
1095. With arrow . . . . .	-	-	-	-	-	-	-	-					-				-	
1096. Modern, with peg . . . . .	+	+	*	+				*	+									
1097. Also without peg . . . . .	+	+																
1098. Hunting bow . . . . .								+					+					
1099. Separate instrument . . . . .	+	+	+					+					+				+	
1100. Whistles: bone . . . . .	+	+	(+)	+	+	+	+	+	+	+	+	+			+	+	+	
1101. Single . . . . .	+	+																
1102. Double . . . . .																		
1103. Bird bone . . . . .	+	+		+	+	+	+	+	+	+	+	+			+	+	+	
1104. Animal bone . . . . .																		
1105. Wood (cane or elder), mere tube, 1 end closed . . . . .								+	+								+	
1106. Stop of gum or pitch. . . . .								-	-	-	-	-					-	
1107. Stop of asphalt . . . . .								+	+	+	+	+			+	+	+	
1108. Flutes (without reed) . . . . .								+	+	+	+	+	+	+	+	+	+	
1109. Four holes . . . . .	(+)	(+)	(+)	(+)									+		+	+	+	
1110. Or six holes . . . . .															+	+	+	
1111. End blown . . . . .	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	
1112. Side blown . . . . .				-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1113. Mouth blown . . . . .	+	+						+	+	+								
1114. Flattened around hole . . . . .	-	-						-	-									
1115. Of wood . . . . .	+	+																
1116. Elder . . . . .	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
1117. Of cane . . . . .													(-)				-	
1118. Of bone . . . . .	-	-											+	+	+	(+)		
1119. Flageolet (with reed) . . . . .																		

## CALENDARS AND COUNTING

1120. Descriptive calendar . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+
1121. Seasonally named moon calendar . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1122. Numeral or finger-name calendar . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1123. 2-solstice calendar . . . . .																	+
1124. Winter solstice observed in calendar. .	+	+		+	+		+	+	+								+
1125. Summer solstice observed in calendar. .																	+
1126. Stars as month markers . . . . .	+	+	+	+	+		+	+	+				+		+	+	+
1127. Numeral system: counting by sixteens. .	+	+	+	+	+		+	+	+								
1128. Decimal . . . . .	+	+											+	+	+	+	+

## ASTRONOMY, ETC.

1129. Moons in year (no.) . . . . .	?	?	?	?	?	?	?	?	?	?	?	*12	?	?	*10	*10	
1130. Star or constellation names for:																	
Orion (3 in row) . . . . .												+					
Pleiades (bunch of little ones shaking) . . . . .												+					
Maidens . . . . .												+					
Polaris (star never moves). . . .												+					
1131. Constellation (or star) named: hand or arm . . . . .												-	-	-	-	(+)	
1132. Buzzard . . . . .												-	-	-	-	(+)	
1133. Gathering pole or crook . . . .												-	-	-	-	-	-

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
1137. Coyote . . . . .								(+)					+				+	
1138. Mountain sheep . . . . .			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1139. Lazy star . . . . .			-	-	-	-	-	-	-	-	-	-	-	-		(+)		
1140. Milky Way: ghosts' road . . . . .			(+)	(+)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1141. Antelope's (deer's) road . . . . .			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1142. Dust (ashes) road . . . . .			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1143. Night's backbone . . . . .					+	+												
1144. Road of the piñon gatherers . . . . .								+	+	+	+	+	+					
1145. Rainbow: good . . . . .					(+)	+		(+)					+					+
1146. Coyote's penis . . . . .			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1147. Falling stars: bad . . . . .	+	+																
1148. Indifferent . . . . .					+	+	+	+	+				+					
1149. Indicate death . . . . .					+	+											+	+
1150. Comet bad . . . . .			+	+														
1151. Ball lightning dangerous . . . . .								+	+				+	+				
1152. Cannibal . . . . .																+	+	+
1153. Thunder: male . . . . .			(+)	(+)		+		+					+					
1154. Bird or "dragon" . . . . .			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1155. Lightning from eye . . . . .	+	+				+		+	+	+	+	+	+			(+)		
MARRIAGE																		
1156. Negotiated marriage price . . . . .			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1157. Presents (indeterminate amount for bride) . . . . .	+	+			+	+	+	+	+	+	+	+	+		+	+	+	(+)
1158. Service for bride . . . . .								(+)										
1159. Exchange of presents . . . . .			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1160. "Half-marriage" . . . . .			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1161. Polygamy optional . . . . .			-	-	-	-	-	-	-	-	-	-	-	-		(+)		
1162. Usually chiefs only . . . . .					+	+		+	+	+	+	+	+					(+)
1163. Separate houses for wives . . . . .						(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)					
1164. Informal polyandry * . . . . .						(+)	(+)	(+)	(+)	(+)	(+)	(+)	(+)					
1165. Husband's younger brother . . . . .																		
1166. Wife shaving by male namesakes . . . . .																		
1167. Sororate . . . . .													(+)					
1168. Simultaneous . . . . .								-	-				-					
1169. Successive . . . . .								+					+					
1170. Optional . . . . .								+					+					
1171. Sister of barren wife . . . . .								(+)	(+)				+					
1172. Levirate * . . . . .								-	-				-					
1173. Optional . . . . .													(+)					
1174. Preferential or permitted marriage: man to wife's daughter * . . . . .								(+)	(+)									
1175. Child betrothal, with exchange of presents (occasional) . . . . .								+								(+)	(+)	
1176. Rare . . . . .								-	-				-			-	-	-
1177. Exogamy: local village endogamy permitted if no kinship * . . . . .	+	+	+	+				+					+					+
1178. Marriage to other tribes . . . . .	+	+	+	+				+					+					+
1179. Residence: first residence matrilocal .																+	+	+
1180. Wife's mother's house . . . . .													+			+	+	+
1181. Final residence patrilocal . . . . .													+		+			+
1182. Husband's father's house . . . . .													+		+			+
1183. Final residence matrilocal . . . . .													-		-			-
1184. Alternating, no definite rule . . . . .													-		-			-

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
<b>ADULTERY, DIVORCE, REMARRIAGE, VARIOUS</b>																		
1185. Suspected wife tortured . . . . .												+						
1186. Paramour killed . . . . .												+			-			-
1187. Must be paid for . . . . .												(+)	(+)	(+)			-	-
1188. Compensation for adultery . . . . .															+			
1189. Fine for constructive adultery, or for seduction . . . . .																		
1190. Unchaste girl killed . . . . .												-	-	-				-
1191. Divorce for: infidelity . . . . .												+			+			+
1192. Barrenness . . . . .												+	+		+			+
1193. Incompatibility . . . . .												+			+			+
1194. Laziness . . . . .												+			(+)			
1195. Repayment on divorce . . . . .												-	-		-			
1196. Remarriage of divorcee . . . . .												+	+		+			+
1197. Her parents paid, husband paid.												-	-		-			
1198. Remarriage of widow (not levirate). . .												+	+		+			+
1199. Her parents paid, husband's side paid . . . . .												-	-		-			
1200. Marriage feast for girl . . . . .												+	+	+	+		+	+
1201. Given by groom's side . . . . .												+	+	+	+		+	+
1202. Prostitution: private, irregular . . .												+	+	+	+			+
1203. Pay given * . . . . .												+	+	+	+			+
1204. At initiation or rituals . . . . .												+						+
1205. War captives . . . . .												(+)						
<b>KINSHIP USAGES</b>																		
1206. Avoidances: mother-in-law son-in-law * .												(+)	(+)					
1207. Not laugh . . . . .												(-)	(-)					
1208. Mother-in-law daughter-in-law . . . . .												(-)	(-)					
1209. Father-in-law son-in-law . . . . .												(-)	(-)					
1210. Father-in-law daughter-in-law . . . . .												+	+					
1211. Not laugh . . . . .												(-)	(-)					
1212. Brother sister . . . . .												(-)	(-)					
1213. Joking relationship: with paternal blood kin--man with father's sister, woman with brother's son . . . . .																		
1214. With maternal kin--man with mother's brother and sister's son . . . . .															+			
1215. With in-laws--man with wife's brother and sister's husband.															+			
1216. Adoption (of non-kin) rare . . . . .												-	-	-				-
1217. Address (habitual): personal name . . .												+	+					+
1218. Kinship term if relative . . . . .												+	+					+
1219. Teknomy . . . . .												-	-		-			-
<b>SOCIAL STATUS</b>																		
1220. Rank: social rating by wealth . . . . .												-	-	-	-	-	-	-
1221. Social rating by blood . . . . .												+	+	+	+	+	+	+
1222. Wealth incidental to rank . . . . .												+	+	+	+	+	+	+
1223. Generosity with property a virtue . . . .												+	+	+	+	+	+	+
1224. Slavery: debt or prisoner . . . . .												-	-	-	-	-	-	-
1225. Ostracism of bastards . . . . .												-	-	-	-	-	-	-

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
BERDACHES																		
1226. Berdaches ostracized . . . . .		+	+															
1227. Not in sweat house . . . . .						-		-					-					
1228. Not in dances . . . . .						(+)		(+)					(+)					
1229. Not initiated . . . . .						+		+					+					
1231. Berdaches live with men . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+				+	
1232. Berdache-making ritual * . . . . .		+	+	+	+	+	+	+	+	+	+	+	+			+		
1233. Female berdaches . . . . .					(+)	(+)	(+)	(+)	(+)	(+)	(+)	(+)	(+)			(+)		
1235. Special functions at burial, mourning, shamanism . . . . .					-	-	-	-	-	-	-	-	-			-		
1236. Accompanied women seed-gathering . . . . .						+		+	+	+	+	+	+			+		
SOCIOPOLITICAL ORGANIZATION																		
1237. "Tribes" are dialectic divisions only .	+	+	+	+	+	+	+	+	+	+	+	+	+			+		
1238. Villages and village groups																		
the unit . . . . .						+	+	+	+	+	+	+	+			+		
1239. Dialectically separate.						+	+	+	+	+	+	+	+			+		
1240. Centralized authority * .																		
1241. Lineages or villages political unit or basis of same . . . . .			(+)	(+)	(+)											(+)		
1242. Moieties: but names no longer obtainable						+	+	+	+	+	+	+	+	+		+		
1243. Wildcat-Coyote moieties . . . .			*	+	(+)											(+)	(+)	
1244. Possibly Bear-Deer moieties . . . .																		
1245. Moiety names of totemic implication *																		
1246. Apparently southern Yokuts system with lack of moieties . . .																		
1247. Clans (nonlocalized): patrilineal chief and family descent . . . . *						+	+	+	+	+	+	+	+			+	+	
1248. Totemic names, etc. * . . . .																		
1249. Women carry clan names . . . . .						-	-	-	-	-	-	-	-			-	-	
1250. Ritual functions of clans, or clan tales of war and migration unobtainable . . . . .						+	+	+	+	+	+	+	+					
1251. Names of totemic reference, one uncertain one obtained . . . . .							*											
1252. Single totem, killed, eaten . . .							(+)											
1253. Exogamous, presumably . . . . .							(+)											
1254. Patrilocal lineages ("clans"): only village chiefs remembered . . . . .						+	+	+	+	+	+	+	+			+		
1255. Fetish, house, territory, migration tales not remembered.						+	+	+	+	+	+	+	+			+		
1256. Single totem: not remembered. .						+	+	+	+	+	+	+	+			+		
1257. Killed, eaten . . . . .								(+)										
1258. Exogamous, presumably . . . . .							(+)											
1259. Lineage-owned names, names of totemic reference, ceremonies conducted by lineages not remembered . . . . .						+	+	+	+	+	+	+	+			+		
1260. Ceremonial parties not remembered . . .						+	+	+	+	+	+	+	+			+		
1261. Villages autonomous . . . . .						+	+	+	+	+	+	+	+			+		
1262. Multiple-clan villages . . . . .	(+)	(+)	(+)	(+)	(+)								(+)			(+)		
1263. Multiple-lineage villages . . . . .	(+)	(+)	(+)	(+)	(+)								(+)			(+)		

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
CHIEFS AND OFFICIALS																		
1264. Hereditary chiefs: to son . . . . .		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
1265. Primogeniture probably most common . . . . .					+	+	+	+	+	+	+	+	+	+	+	+	+	+
1266. To brother . . . . .					-	-	-	-	-	-	-	-	-	-	-	-	-	-
1267. To sister's son . . . . .					-	-	-	-	-	-	-	-	-	-	-	-	-	-
1268. Female chiefs occur . . . . .		+	+	(+)	+	+	+	+	+	+	+	+	+	+	+	+	+	+
1269. Sister or daughter (not wife) . . . . .		+	+	(+)	+	+	+	+	+	+	+	+	+	+	+	+	+	+
1270. Called manisar . . . . .					(+)	+	+	+	+	+	+	+	+	+	+	+	+	+
1271. Called woman-chief . . .					(+)	+	+	+	+	+	+	+	-	-	-	-	-	-
1272. Chiefs with individual titles .					(-)	-	-	-	-	-	-	-	-	-	-	-	-	-
1273. Separate titles for chief's kin					(+)	+	+	+	+	+	+	+	+	+	+	+	+	+
1274. Separate title for chief's wife					(-)	-	-	-	-	-	-	-	-	-	-	-	-	-
1275. Same title for chief and his kin					-	-	-	-	-	-	-	-	-	-	-	-	-	-
1276. Chief's son and especially daughter can be called chief, woman-chief . . . . .					(+)	+	+	+	+	+	+	+	+	+	+	+	+	+
1277. New chief requires community approval . . . . .		+	+	(+)	+	+	+	+	+	+	+	+	+	+	+	+	+	+
1278. Wealth influence only . . . . .					-	-	-	-	-	-	-	-	-	-	-	-	-	-
1279. Chief was rich man . . .					+	+	+	+	+	+	+	+	-	-	-	-	-	-
1280. Multiple chiefs of about equal status . . . . .					(-)	(-)	-	-	-	-	-	-	-	-	-	-	-	-
1281. Chiefs equated to birds . . . . .					(-)	(-)	-	-	-	-	-	-	-	-	-	-	-	-
1282. Chiefs for: tribe . . . . .																		
1283. Moiety * . . . . .							(+)		(+)									
1284. Village * . . . . .						+	+	+	+	+	+	+	+	+	+	+	+	+
1284a. Groups of villages * . . . . .						+	+	+	+	+	+	+	-	-	-	-	-	-
1285. Ceremonial party . . . . .						-	-	-	-	-	-	-	-		(+)			
1286. Prerogatives and duties of chiefs: food furnished to . . . . .													+	+				+
1287. Fed visitors, impoverished, etc.		+	+										+	+				+
1288. Custodian of regalia of self and others . . . . .													+	+				+
1289. Owned eagles and aeries . . . . .													+	+				+
1290. Eagle or hawk rearing . . . . .													+	+				+
1291. Provided property for ceremonies		+	+										+	+				+
1292. Approval necessary for everyday ceremony . . . . .		+	+										+	+				+
1293. Other officers: assistant chief for administration (other than paha) . . .					(-)	(-)	-	-	-	-	-	-	-	-	-	-	-	-
1294. Kohota type festival chiefs . . .					-	-	-	-	-	-	-	-	-	-	-	-	-	-
1295. Assistant cult chief (paha) for each "clan" or village . . .					-	-	+	+	+	+	+	+						
1296. Functions: announcer, treasurer, general assistant . . . . .																		
1297. Divider of food (takwa) . . . .													(-)					
1297a. Functions: official for memorial ceremonies for the dead . . . . .													(-)					
1298. Rabbit-drive official . . . . .													-					
1299. Separate war chief . . . . .													(-)					
1300. Orators . . . . .		+	+															
1301. Orations from housetop by paha . . . . .													(-)					
1302. Moral lectures to children by "old men," chief, paha . . .													+	+	+	+	+	+

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
1303. Is chief . . . . .		+																
1304. Chief at times orated . . .												+			+			
1305. Speaker for chief (e.g. Luiseño paha) . . . .				(+)								+					+ +	
1306. Herald or messenger: each chief has 2 messengers . . . . .			(+)	(+)		+	+	+	+	+	+	+	(+)	+	-	-	-	-
1307. Messengers carry money, assist chief in put- ting on ceremonies, invite other villages			(+)	(+)		+	+	+	+	+	+	+	(+)	+	-	-	-	-
1308. Firetender at rituals . . . . .						+	+	+	+	+	+	+	(+)	+	-	-	-	-
1309. Singer (hauinik): sings crea- tion song . . . . .						-		-										-
1310. Manet official distinct from paha. . . . .													(+)	(+)	(+)	(+)	(+)	
1311. Paha conducts manet ceremony together with manet official .													(+)	(+)	(+)	(+)	(+)	
PROPERTY AND INHERITANCE																		
1312. Land tribal, everything in commonalty .					-	-	-	-	-	-	-	-		-				-
1313. Privately (household) owned: seeds, acorns, trees *						+	+		+					+				
1314. Eagles or eagle nests . . . . .									+					+	+			
1315. Boundaries recognized by natural land- marks . . . . .					+										+			
1316. Inheritance of property by sons . . . .		+	+	+	+	+	+	+	+	+	+	+		+				+
1317. Partly to daughters . . . . .			+	+	+				+						+			
WAR																		
1318. Wars to avenge witchcraft . . . . .															+	+		
1319. Between villages only . . . . .															+	+		
1320. For adventure . . . . .															-	-		
1321. Surprise attacks . . . . .															+	+		
1322. War-chief office . . . . .															-	-		
1323. Chiefs make peace . . . . .															+			
1324. Scalps or heads taken . . . . .					+	+												
BIRTH																		
1325. Special hut at childbirth . . . . .					-	+	+					+			+			
1326. Mother sits at delivery . . . . .							+							+				+
1327. Holds to cord from roof, or to stake.							+											
1328. Midwife assists . . . . .					+	+	+	+	+	+	+	+			+			+
1329. Shaman assists . . . . .						-	-	-							-			
1329a. In some births only . . . . .									+									
1330. Goes outside somewhere for birth, bringing child home few hours later (occasionally) . . . . .									+									
1331. Baking in pit after birth . . . . .					+	+	+	+	+	+	+	+			+			+
1332. Pit plant-lined . . . . .						+	+	+	+	+	+	+			+			+
1333. Delivery in pit . . . . .						-	-	-										-
1334. Childbirth drink for mother: warm water						+												
1335. Thin acorn mush . . . . .									+			+			+			+



	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
1392. Boys tattooed before puberty . . . . .		+																
1393. Some tattooed selves . . . . .		+																
1394. Milk teeth lost: thrown toward sun. . .				+														+
1395. Put in gopher's hole . . . . .		+	+															
1396. Sometimes burned . . . . .		+																
GIRLS' PUBERTY																		
1397. Meat taboo . . . . .												+		+			+	
1398. Fresh meat only . . . . .		+	+									-		-			-	
1399. Fish taboo . . . . .		+	+															
1400. Salt taboo . . . . .			(+)															
1401. Grease taboo . . . . .												+		+				
1402. Fat taboo . . . . .		+	+															
1403. Cold water taboo . . . . .		+	+									+		+				
1404. Girl confined in menstrual hut . . . . .												(+)	(+)					
1405. In house . . . . .		+	+															
1406. Duration of confinement 3-5 days . . . . .												+						
1407. Wears basket, hopper, or skin on head when going outside . . . . .												-		-				
1408. Wears feather visor . . . . .												-		-				
1409. Scratching stick: wood . . . . .												(+)						
1410. Haliotis rim . . . . .												+		+				
1411. Duration of full restrictions: no fixed time . . . . .												+		+				
1412. About a "week" . . . . .												+						
1413. Supposed to observe every menstruation.												+		+				
1414. Must never gaze at fire . . . . .												+		+				
1415. Girl's hair cut . . . . .												-		-				
1416. Girl takes toloache . . . . .												-		-				
1417. Public recognition: Gabrielino-Luiseño type girl-roasting ceremony* . . . . .														+				
1418. Certain girls only . . . . .														+				
1419. Coincides (in time) with boys' initiation . . . . .														(+)				
1420. Dancing, outdoors (sic, cf. next) . . . . .														+				
1421. Singing, no dancing (sic, cf. last) . . . . .														+				
1422. Deer-hoof rattle . . . . .																		
1423. Three days in roasting-pit . . . . .																		
1424. Trench at girl's rite . . . . .														+				
1425. Rite conducted by paha . . . . .														+				
MENSTRUAL CUSTOMS (MATURE WOMEN)																		
1426. Seclusion: anywhere in dwelling house, but not to be obtrusive . . . . .												+						
1427. Corner of dwelling house . . . . .		+	+															
1428. Scratching stick . . . . .												(+)						
1429. Meat taboo . . . . .		+	+									+		+				
1430. Fresh meat only . . . . .												-		-				
1431. Grease . . . . .												+		+				
1432. Fish . . . . .		+	+															
1433. Cold water taboo . . . . .		+	+									+		+				
1434. Salt taboo . . . . .												(+)						
1435. Cooking for others taboo . . . . .												-						

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
1436. Duration of restrictions: during menstruation . . . . .								+										
1437. Indefinite . . . . .			+ +															
1438. Husband cannot hunt . . . . .								+ +					+ +					
1439. Cannot fish . . . . .								(+)	+ +				(+)			(+)		
BOYS' PUBERTY																		
1440. Old men had boys out in night, gave them pounded toloache root mixed with water . . . . .																		
1441. Toloache given to boys after which they danced . . . . .							+ +											
1442. Vision quest: toloache taken (with society)* . . . . .							(+) (+)											
1443. Toloache initiation of Luiseño type *																	+	
1444. Sand-painting altar . . . . .																+		
1445. Moral discourses. . . . .																+		
1446. HorLoi ("war dance"): initiates en masse. . . . .																+		
DEATH																		
1447. Corpse kept in house overnight . . . . .							+ +	+ +	+ +	+ +	+ +	+ +					+	
1448. Taken out of house before death . . . . .							- -	- -	- -	- -	- -	- -					-	
1449. Corpse taken immediately out of house .							- -	- -	- -	- -	- -	- -					-	
1450. Buried same day as death. . . . .							+ +										-	
1451. Corpse left in house until interment. .							- -	- -	- -	- -	- -	- -					-	
1452. Corpse washed . . . . .							- -	- -	(+)	-	-	-					-	
1453. Buried as died, clean or dirty, naked or clothed . . . . .							- -	- -	-	-	-	-					-	
1454. Corpse painted . . . . .							-	-	(+)								-	
1455. Corpse passed through wall . . . . .							- -	- -	-	-	-	-					-	
1456. Interment of dead . . . . .							+ -	- -	+ +	+ +	+ +	+ +					*	
1457. Flexed . . . . .							+ -											
1458. Extended, wrapped in tule mat or blanket * . . . . .									+ +	+ +	+ +	+ +						
1459. Grave planks . . . . .								+ +	+ +	+ +	+ +	+ +						
1460. Grave masts . . . . .								+ +	+ +	+ +	+ +	+ +						
1461. Cemeteries outside town, but near . . . . .							+ +		+ +	+ +	+ +	+ +						
1462. Cemeteries within town . . . . .								- -	- -	-	-	-					-	
1463. Sand in grave . . . . .																		
1464. String from grave . . . . .																		
1465. Cremation . . . . .																		
1466. Sometimes, if had not wherewith to burn, buried . . . . .							+ +									+	+	
1467. Destruction of property (at funeral). .								+ +		+ +							+	
1468. Even pulled up crops, burned house, moved away . . . . .							+ +											
1469. Undertaker: 1 man or woman who carries corpse on back to grave followed by mourners . . . . .								+ +	+ +	+ +	+ +	+ +						
1470. Purification by washing . . . . .								+ +	+ +	+ +	+ +	+ +						
1471. Mourners: widow's hair cropped . . . . .							+ +		+ +	+ +	+ +	+ +						
1472. Burned . . . . .							+ +											
1473. Head pitched . . . . .								-		-								
1474. Face pitched . . . . .								+ +		(+)								

	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
1475. Asphalted . . . . .		+																
1476. Widow confined 1 year . . . . .		+																
1477. No meat, salt, or grease for a year . . . . .								+						+				
1478. Family (close kin) cut hair . . .								+										
1479. Scratch faces, bodies . . . . .								-						-				
1480. Taboo on name of dead . . . . .	+	+	+	+	+	+	+	+	+	+	+		+		+	+	+	
1481. Indefinitely (permanent). . . . .			+	+	+	+	+	+	+	+	+		+		+	+	+	
1482. Till formally regiven . . . . .	+	+				+	+	+	+	+	+		+					
1483. Alter kin terms after death . . .	+	+			+	+	+	+	+	+	+		+				+	
MOURNING CEREMONY																		
1486. Annually, for all year's dead . . . . .	(+)	(+)	+	+														+
1487. Every 2 or 3 years, barely remembered .								+	+	+	+	+						
1488. For prominent men only . . . . .								+	+	+	+	+						
1489. For warriors only . . . . .								-	-	-	-	-						
1490. Late summer . . . . .								+	+	+	+	+						+
1491. At any season . . . . .								-	-	-	-	-						-
1492. Held under ramada . . . . .								+	+	+	+	+						+
1493. Song cycles used in mourning . . . . .								+	+	+	+	+						+
1494. S. Calif. type ceremony with: retreat of clan-priest . . . . .																		(+)
1495. Bundle opened . . . . .																		(+)
1496. Shaman sanctions performance. .																		-
1497. Invited clans paid ceremonially																		(+)
1498. Covering tracks of dead . . . . .																		-
1499. Clothes-washing . . . . .																		(+)
1500. Clothes-burning . . . . .																		(+)
1501. Eagle sacrifice . . . . .																		+
1502. For dead clan leader. . . . .																		-
1503. For eagle itself . . . . .																		+
1504. Eagle given by opposite moiety . . . . .																		(+)
1505. Feathers for images . . . . .																		-
1506. Feathers kept in bundle . . . . .																		+
1507. Feathers for regalia. . . . .																		+
1508. HorLoi type dance . . . . .																+	+	+
1509. For general good luck only . . . . .																		+
1510. Fire dance, fire stamped out. . .																		(+)
1511. Tatahuila dance . . . . .													+	+	+	+	+	+
1512. Images made . . . . .													+	+	+	+	+	+
1513. Image carrier shot at . . . . .													-					-
1514. Images burned with offerings . . .													+	+	+	+	+	+
1515. Special ceremony for toloache initiates . . . . .	(+)	+	+															+
1516. Regalia buried in sand painting . . . . .																		(+)
1517. Hut or poles for offerings . . . . .	-	-	-	-	-			-	-	-								-
1518. Pole mourning ceremonies, offerings at foot . . . . .	-	-	-	-	-			-										-
1519. "Pota" type ceremony, with images and enemy . . . . .	-	-	-	-	-			-	-	-	-	-						-
1520. Eagle feathers abode for souls during ceremony. . . . .	-	-	-	-	-			-	-	-	-	-						-
1521. Mock battle . . . . .	-	-	-	-	-			-	-	-	-	-						-
1522. Professional (paid) mourners . . . . .	-	-	-	-	-			-	-	-	-	-						-
1523. Owl feather ropes or bands draped around house . . . . .	-	-	-	-	-			-	-	-	-	-						-



	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
1568. Goes to war . . . . .					-			-					-					
1569. Conducts rituals . . . . .			+	+	+	+	+	+					+					
1570. Public competitions . . . . .					-	-	-	-	-				-					
1571. Sanctions ceremonies . . . . .								-								(+)		
1572. Brings game . . . . .								+					+			+		
1573. Shamans' society . . . . .								-	-									
1574. Divination by their "power" . . . . .									+				+					
1575. Methods and equipment: disease object sucked out . . . . .			+	+	+	+	+	+	+	+	+		+		+			
1576. Through pipe . . . . .					-	-	-	-	-	-	-		-		-			
1577. Always exhibited by shaman. . . . .			+	+	+	+	+	+	+	+	+		+		+			
1578. Spirit tells location of object . . . . .									-									
1579. Diagnosing by singing or dancing . . . . .			+	+														
1580. Sing and dance not to diagnose but as part of the "hechiceria" .								+		+								
1581. Brushes away disease, presses ashes on patient . . . . .									-									
1582. Rub ashes on painning part . . . . .					+													
1583. Sprays water with mouth . . . . .								-	-				-					
1584. Uses quartz crystal . . . . .									-				+					
1585. Uses portable mortar . . . . .																(+)		
1586. Uses charmstone, or fetish sacks (outfit) . . . . .								-	-				-					
1587. Feather kaku fetish (described by Pit River data) . . . . .					-	-	-	-	-	-	-		-	-	-	-	-	-
1588. Round cross charm . . . . .					-	-	-	-	-	-	-		-	-	-	-	-	-
1589. Pyre used . . . . .					-	-	-	-	-	-	-		-	-	-	-	-	-
1590. Recovery of lost soul . . . . .					-	-	-	-	-	-	-		-	-	-	-	-	-
1591. Sucking doctor drinks through bark tube . . . . .					-	-	-	-	-	-	-		-	-	-	-	-	-
1592. Elat (Luis.) board with snake rattles worn on head . . . . .																(+)	(+)	
1593. Liability of shaman declining case * . . . . .										-			-					
1594. Unsuccessful shaman killed . . . . .	+	+				-			-				-					
1595. Brush dance for curing . . . . .					-	-	-	-	-	-	-		-	-	-	-	-	-
1596. Sweating for minor curing . . . . .								-					-					
1597. Blood-letting without sweating . . . . .	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
1598. Black magic by shamans. . . . .			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
1599. "Shooting" poisonous object into victim . . . . .			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
1600. Shaman's assistant . . . . .					-	-	-	-	-	-	-		-					
1601. Fee returned if unsuccessful . . . . .	*	*	*	*				-					-					
1602. Possessional shamanism . . . . .									+	+	+		+			+		
PRIESTS																		
1603. Source of power: hereditary . . . . .					-	-	-	-	-	-	-		-					
1604. Formulas . . . . .								-					-					
1605. Trained by older priests . . . . .					-	-	-	-	-	-	-		-					
1606. Functions: conduct rituals . . . . .					-	-	-	-	-	-	-		-					
1607. Guard sacred objects: "clan" fetish-bundle . . . . .					-	-	-	-	-	-	-		-			(+)		
1608. Sacred sweat house . . . . .								-	-	-	-		-					





	Cn	Cs	An	Mi	In	B1	B2	V1	V2	V3	V4	Em	K1	K2	Fe	G1	G2	G3
1690. Bird hovering in one's path bad	+	+																
1691. Dog howling near house bad . . .	+	+																
<u>Various Items</u>																		
1692. Bad to point at rainbow . . . . .						-		-										
1693. Special ancient dog names distinct from human personal names . . . . .						+	+	+	+				+			(+)		
1694. Dogs named with hereditary dog names . . . . .						+												
1695. Dogs talked to . . . . .						+	+	+	+	+			+					
1696. Wells . . . . .						-	-	-	-	-	-	-	-	-	-	-	-	
1697. Very slight speech differences for sex.								+					+					
1698. Swimming: classic (breast stroke), dog fashion . . . . .								+		+			+					
1699. On back (frog) . . . . .										+								
1700. Crawl . . . . .											(+)							
1701. Mole's front feet bitten for toothache..						-	-	-	-	-	-	-	-	-	-	-	-	
1702. Males micturate squatting . . . . .							-		-				-					
1703. Toilet: various soft plants for wiping self . . . . .						+	+	+	+	+			+					
1704. Slain bear switched on belly for luck .											-		-					
1705. School for boys . . . . .											-		-					
1706. Animals changed to men * . . . . .						+	+	+	+	+			+					

## ETHNOGRAPHIC NOTES ON THE ELEMENT LIST

### REFERENCES CITED

#### Abbreviations:

- AMNH-B American Museum of Natural History, Bulletin.  
BAE-B Bureau of American Ethnology, Bulletin.  
UC-PAAE University of California Publications in American Archaeology and Ethnology.
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- Beals, Ralph L.  
1933. Ethnology of the Nisenan. UC-PAAE 31:335-414.
- Dixon, R. B.  
The Northern Maidu. AMNH-B 17:119-346.
- Gifford, E. W.  
1932. The Northfork Mono. UC-PAAE 31:15-66.  
[Handbook. See Kroeber.]
- Kroeber, A. L.  
1925. Handbook of the Indians of California.  
BAE-B 78. Cited as Handbook.
- Steward, J. H.  
1933. Ethnography of the Owens Valley Paiute. UC-PAAE 33:233-350.

### HUNTING; FISHING

22. Cn, Cs: Heavy board, one end propped, for mice; or twig cage, one end propped, for quail.  
25. No details remembered.  
26, 27. Not remembered.  
38. No details remembered. The dip net may have been mounted on semicircular or circular hoop.  
46. Harpoon described by Luisa Ignacio (Bl) as "like an arrow."

### FOOD GATHERING, PREPARATION, STORAGE

124. Kl: Occurs, but scarce.  
162. Spanish bayonet is Yucca, the species presumably whipplei. Entries for element 126 give it as not used. The "cabbage cooking" is typical of SW Agave treatment. (Ed.)  
170. Cs: "Like little square house."  
174. See Handbook, pl. 54.

### HOUSES; NAVIGATION

178. No details obtainable.  
180-181. Small sweat house often built onto an earth bank. Both kinds said to be for sweating only, details hazy.  
216. Cs: Thatch also of grass.  
221. Communal house claimed to be nothing more

than large dome-shaped "jacal," in spite of historical sources.

227. Beds made of crotched willow posts and cross poles, possibly dating from mission times only.  
228. Mat bedding, whether on scaffold "cuatres" or on ground.  
232. Cs: For woman and baby after childbirth.  
233. Houses more commonly in single crude row, than in double row with street between.  
238. Cs: Like windbreak; boughs piled and leaned together; for fiestas.  
240. Not remembered which direction entrance faced.  
248. No details remembered.  
254. No details remembered.  
259. 16-26 ft. long, sometimes wing boards at sides, little skeleton, depending on keel (?) for strength; 1 to 8 passengers; for ocean.

### GRINDING UTENSILS; HOUSEHOLD IMPLEMENTS; WEAPONS

287. Cs: Can be sunk, but not necessarily.  
329. Costano, in Mexican times.  
430. See Steward, 251.  
431. Archaeological specimens more dependable than informants' statements.  
446. But possibly heard of this through immigrant Indians in mission times.

### BODY ADORNMENT--HABITUAL

- 488-540. Wherever description of the element is followed by "m, f," the entry + means that the item applies to both males and females, except as may be otherwise stated in these notes.  
488. Some women had it to knee.  
499. Cs: Women only.  
503. In, Kl: Men only.  
504. The hair pencils of the Buena Vista Lake burials must be Mohave.  
506. Vl, V3: Women in mission times. Cs: Alleged for men.  
507. Cn, Cs: Women only.  
512-513. Cn, Cs: Sex not specified.  
516. There was evidently quite a little tattooing throughout the region. Cn, Cs: Sex not specified.  
517. Details and sex not remembered.  
525. Men thought to have worn necklaces, too.  
525-527. An, Mi: Sex not specified.  
535. Indian hemp not specified for Costano.  
544. Red ocher remembered as ritual paint only, aside from Costano.  
546. Bl: Heard of a boy who daubed his buttocks white.

## BODY ADORNMENT--RITUAL AND FESTIVAL

593. See everyday dress (536) for elderwood (?) and carizo ear tubes, not regarded as regalia. No regalia ear sticks or tubes remembered.
595. Heard mentioned, never seen by informants.
600. No specimens preserved. Possibly the informants remembered San Fernando style.
- 607, 608. But confused with hairpins.

## CLOTHING; POSTURES

622. Technique under Basketry.
626. Mentioned in a historical source.
639. Details not remembered, probably unfringed.
666. Cs: Men only specified.
672. Not specified for Costano whether feet crossed.
684. To break a maidenhead is rendered "to break a girl."

BURDENS; BASKETRY; WEAVING, NETTING;  
CRADLES; CORDAGE

702. Of Juncus or tule, "Indian trunk." Not recognized as clan fetish container.
705. Also used by Mexican women at the missions.
735. See Barrett, pl. 15.
737. See Handbook, pls. 53, 73.
747. See Handbook, pl. 29.
- 750, 755. See Handbook, pl. 50e.
771. See Handbook, pl. 55e.
777. See Handbook, pl. 44.
- 880, 881. See Handbook, pl. 40m.
882. See Handbook, pl. 40o.
883. See Handbook, pl. 39f.
885. See Handbook, pls. 39, 40, 40k.
886. See Handbook, pl. 39b.
888. See Beals, 411.
889. No details remembered.
920. See Gifford, 28.

## GAMES; MUSICAL INSTRUMENTS; PIPES; ASTRONOMY

933. Costano courses often many miles.
939. Turn toes in a little so they go squarely against the ball.
947. An, Vl: Betting sometimes. There is no remembrance in the area whether or not the sides represented moieties or "clans."
980. An: Three Olivella shells strung together.
988. Cs: 24. An: 12. Vl, Kl: 15.
993. But two on a side can play; and Cs specified two, not four.
1055. Presumably on stone (or cane ?) pipe.
1096. An, Vl: But replacing older usage.
1129. Kl, G2, G3: Questionable entries.

## MARRIAGE, ETC.

1164. Details forgotten.
1172. Denied or forgotten.
1174. Pre-Caucasian customs forgotten.
1177. But not sure of pre-Caucasian custom.
1203. At least in mission times.

## KINSHIP USAGES; BERDACHES

1206. Details not remembered.
1232. Forgotten.

## SOCIOPOLITICAL ORGANIZATION

1240. Possibly there were allied village groups under a "big chief."
1244. Indications in a fragment of myth of bear and deer moieties for Costano.
- 1245, 1248. Name of white goose remembered as lineage or individual pet, implying Yokuts-like system.

## CHIEFS AND OFFICIALS; PROPERTY AND INHERITANCE

1284. Clan and lineage identified with village chief.
- 1284a. Called "big chief."
1313. For example, an old woman would own a certain oak.

## BIRTH

1338. Warm water specified for Cs.
1362. In, G3: Occasionally.
1388. In mission times.

## GIRLS' PUBERTY; BOYS' PUBERTY

1417. Practiced at San Fernando and sporadically in adjacent parts of Ventura County.
1418. In mission times.

## DEATH; MOURNING CEREMONY

1442. Details forgotten.
1443. Remembered to have existed.
- 1456, 1465. Coast Gabrielino both buried and burned the dead as far south as mouth of Santa Ana River.
1458. In mission times. Aboriginal body position and orientation not remembered.

## SHAMANISM

- 1528-1530. But not known to be a special class.
1593. Nothing remembered.

1594. Among groups for which minus entered,  
nothing is remembered.
1601. Cn, Cs: Shaman paid or given presents  
either before or after curing or even if unsuc-  
cessful or has refused case.

- MISCELLANEOUS RELIGIOUS TRAITS; VARIOUS ITEMS
1647. Some chiefs become stars.  
1706. No examples remembered.

#### CHUNGICHNISH CULT RELIGION

1612. Evidently penetrated from south  
into Chumash area.