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Language and Region Codes for the Standard Cross-Cultural Sample

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New language and region codes are developed for the Standard Cross-Cultural Sample. The region codes were developed previously with a different sample and tested against social structure data. The language codes incorporate information from recent publications on language history and are presented at multiple levels, providing information about the taxonomic relationships among languages.

Variation by region and language family has been an important topic in cross-cultural research. Regions have been used for replication of cross-cultural findings (Burton & White, 1991) and as the basis for stratified sampling (Murdock, 1967; Murdock & White, 1969), and language codes have been used in studies of Galton's

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Author's Note: In working on this project, I benefited from discussions with and commentary by Cecil Brown, Stanley Witkowski, and Terrence Kaufman. Stanley Witkowski's comments on this project during his participation in the HRAF summer institute in comparative research methods led to the current multilevel coding.

problem (Burton & White, 1984; Dow, Burton, Reitz, & White, 1984; White, Burton, & Dow, 1981).

The most widely used cross-cultural codes for regions and language groups are those developed by Murdock (1967) for the *Ethnographic Atlas.* These are now more than 30 years old. Burton, Moore, Whiting, & Romney (1996) recently have proposed an improved set of regional categories, and there are several new publications in historical linguistics that can be used to formulate language codes (Campbell, 1997; Greenberg, 1987; Kaufman, 1994; Mosely & Asher, 1994; Ruhlen, 1991). Here, I have coded the 186 societies of the Standard Cross-Cultural Sample (Murdock & White, 1969) using the new regions and the various new studies of language families.

The revised regional classification was developed based on concepts of precapitalist world systems. There are two world systems: the Middle Old World in North Africa and Southern Eurasia, and the system of agrarian states in the New World that extended south from Mesoamerica to the Andes. These and the other regions are described briefly below and in more detail in Burton et al. (1996). The classification was tested using Murdock's (1967, 1970) social structure data and found to fit the data much better than Murdock's classification.

Language classifications seem to evoke strong feelings among comparative linguists. In fact, progress on this article was delayed by the process of asking comparative linguists to comment on the language classifications. In short, they do not agree. The problem often is described as the difference between lumpers and splitters, but the difference is better described in terms of methodology because both groups have the same goal—to classify languages into larger groupings. One group (the so-called "lumpers") favors Greenberg's (1963) method of mass comparisons, a statistical approach which, however, does not use particularly powerful methods of statistical analysis. The second group (the "splitters") requires strong evidence for reconstruction of relationships between languages and rejects higher order groupings based on mass comparisons.

The greatest differences between the two approaches occur with classification of American Indian languages. Greenberg's (1987) classification of these languages into three major groups is not widely accepted by specialists on American Indian languages, whereas his earlier (Greenberg, 1963) classification of African languages still is closely followed.

Although I am sympathetic to statistical approaches and a great admirer of Greenberg's work, the lumper approach is less well suited to the purpose of this article, which is to provide information about language groupings upon which most historical linguists would agree. Information about some of the proposals for more macroscopic groupings appears at the end of the article.

A note is required here about the use of language codes to test Galton's problem. A shared language history is a plausible index of shared history, and in many (but not all) cases, language families provide useful information of a taxonomic nature. In working on Galton's problem, we used taxonomic relationships among languages as the basis for computing proximity measures among the various languages (Dow et al., 1984; White et al., 1981). We used these measures in analyses derived from spatial autocorrelation methods that we called language autocorrelation analysis. In studies of the gender division of labor, we found an autocorrelation effect that could be located within the group of societies with Bantu languages—an effect that we could detect but that was too small to affect the validity of the larger research project. As we shall see below, the Bantu languages are very closely related within a larger language family, so the main generalization from this work is that language autocorrelation is likely to occur only among very closely related languages. That would imply that information about very high-level groupings, such as Greenberg's Amerind language phylum (Greenberg, 1987), would have little relevance to testing nomothetic cross-cultural hypotheses even if they were to be more widely accepted by historical linguists.

Previous language codes for cross-cultural research have focused on a single level of multilevel taxonomies. Here, I present several levels of language codes. Doing so provides more information about known relationships among languages and would allow other researchers to replicate the kind of autocorrelation analyses described above, which require the full taxonomic information.

Table 1 provides a brief description of each region and a tabulation of the number of standard sample societies that fall within the region. Table 2 presents the language codebook, with frequency counts for each language group. Following Campbell (1997), I do not use the term *phylum*. The codes are organized by families (the

TABLE 1	
Regions	

	Description of Region	Number of Societies
Subsaharan Africa	Africa south of the Sahara Desert and south of the central highlands of Ethiopia	37 societies
Middle Old World	North Africa, Middle East, South Asia, China, Vietnam	32 societies
Southeast Asia and Insular Pacific	Mainland and Insular Southeast Asia, Micronesia, Polynesia	25 societies
Sahul	Australia, New Guinea, and Melanesia	14 societies
North Eurasia and Circumpolar	Europe, Central Asia, Siberia, Eskimo, and Aleut	15 societies
Northwest coast of North America	Same as in Driver (1961)	6 societies
North and west of North America	California, Great Basin, Plateau, Canada	23 societies
Eastern Americas	Eastern woodlands and plains, Caribbean, lowland South America	28 societies
Mesoamerica and Andes	Pueblos, Mesoamerica, Central America, Andes	13 societies
Far South America	Patagonia and Tierra del Fuego	3 societies

highest level groupings) and two levels of subfamilies.¹ The actual codes are in Table 3.

The three levels coded allow most language families to be divided into small groups of standard sample societies, among which further differentiation should not be necessary. However, there remain two large groupings at the second subfamily level. These fall within two language families—Niger-Congo and Austronesian. Here, I discuss each of these in more detail.

NIGER-CONGO

In some classifications (e.g., Ruhlen, 1991), Niger-Congo and Kordofanian are combined into a larger group called *Niger*-

(text continues on p. 74)

Subfamilies Family Ν 3 Khoisan 1 Southern Khoisan 2 2 Hadza 1 Niger-Congo 23 3 Central 18 A1 North Central 2 A2 South Central 16 4 Mande 2 2 5 West Atlantic 6 Kordofanian 1 Nilo-Saharan 7 6 Songhai 1 7 East Sudanic 3 A4 Nilotic 2 A5 Nubian 1 8 Fur 1 9 Saharan 1 10 Komuz 1 13 Afro-Asiatic 2 11 Berber 12 Chadic 2 13 Omotic 1 14 Cushitic 3 A6 Central 1 A7 Eastern 2 15 Semitic 5 A8 Central 4 A9 Southern 1 Indo-European 12 20 Armenian 1 21 Indo-Iranian 5 M1 Indic 3

TAB	LE 2
Language	Codebook

1

2

3

4

5

6

M2 Iranian

26 African-IE Creole

Central Dravidian

South Dravidian

22 Albanian

25 Balto-Slavic

23 Italic

24 Celtic

Dravidian 28

29

(continued)

2

1

1

1

1

2 2

1

1

-

Family	Subfamilies	Ν
7	Caucasian	1
8	Sino-Tibetan	6
	30 Sinitic	1
	31 Tibeto-Burman	5
	M3 Tibetic	1
	M4 Baric	1
	M5 Burmic	3
9	Austroasiatic	6
	32 Munda	1
	33 Mon-Khmer	5
	M6 North	2
	M7 East	1
	M8 South	2
10	Daic	1
11	Austronesian	25
	34 Atalyic	1
	35 Malayo-Polynesian	24
	P1 Western	11
	P2 Central and Eastern	13
12	Andaman	1
13	Trans New Guinea	4
	36 Main	2
	37 Trans Fly	1
	38 Timor-Alor	1
14	West Papuan	1
15	Sepik-Ramu	1
16	East Papuan	1
17	Australian	2
20	Uralic-Yukaghir	3
	40 Yukaghir	1
	41 Uralic	2
21	Altaic	4
	42 Turkic	2
	43 Mongolian-Tungus	2
22	Chukchi-Kamchatkan	1
30	Eskimo-Aleut	2
	44 Aleut	1
	45 Eskimo	1
31	Na-Dene	6
	50 Haida	1
	51 Athabaskan-Eyak	5
	N1 Eyak	1
	N2 Athabaskan	4

TABLE 2 Continued

_

Family	Subfamilies	Ν
32	Algic	5
	52 Ritwan	1
	53 Algonquian	4
33	Salish	2
34	Siouan	2
35	Iroquian	1
36	Caddoan	1
37	Hokan	2
38	California and plateau Penutian	2
39	Natchez-Muskogean	2
40	Uto-Aztecan	5
	54 Northern	2
	55 Southern	3
	N3 Pimic	1
	N4 Corachol-Aztecan	2
41	Macro-Mayan	2
••	56 Mixe-Zoquean	1
	57 Mayan	1
42	Chibcha-Misumalpan	3
12	58 Misumalpan	1
	59 Chibchan	2
43	Macro-Arawakan	23
10	60 Maipuran (Arawakan)	2
	61 Otomakoan	~ 1
44	Macro-Paezan	2
45	Macro-Panoan	2
10	62 Panoan	~ 1
46	Tupi-Carib	5
10	63 Carib	1
	64 Tupian	4
	S1 Tupi-Guarani	4
	S2 Munduruku	1
47	Tucanoan	1
47 48	Jivaroan	1
48 49		2
49 50	Quechumaran	ے 1
	Nambiquaran Macro Ge	1 4
51		-
	65 Botocudan	1
r 0	66 Ge	3
52	Mascoian	1
53	Guaykuruan	1
54	Araucanian	1
55	Tehuelche	1
99	Isolate	9

TABLE 2 Continued

-

	Langua	ige and l	Region C	Codes	
Identificati	on				
Number	Name	Region	Family	Subfamily 1	Subfamily 2
001	Nama	1	01	01	
002	!Kung	1	01	01	
003	Thonga	1	02	03	A2
004	Lozi	1	02	03	A2
005	Mbundu	1	02	03	A2
006	Suku	1	02	03	A2
007	Bemba	1	02	03	A2
008	Nyakyusa	1	02	03	A2
009	Hadza	1	01	02	
010	Luguru	1	02	03	A2
011	Gikuyu	1	02	03	A2
012	Ganda	1	02	03	A2
013	Mbuti	1	02	03	A2
014	Nkundo Mongo	1	02	03	A2
015	Banen	1	02	03	A2
016	Tiv	1	02	03	A2
017	Ibo	1	02	03	A2
018	Fon	1	02	03	A2
019	Ashanti	1	02	03	A2
020	Mende	1	02	04	112
020	Wolof	1	02	05	
022	Bambara	1	02	04	
022	Tallensi	1	02	03	A1
023	Songhai	1	02	06	AI
024	Wodaabe Fulani	1	03	05	
025		1		05 12	
026 027	Hausa Massa	1	04 04	12	
		1			A 1
028	Azande		02	03	A1
029	Fur	1	03	08	
030	Otoro Nuba	1	02	06	
031	Shilluk	1	03	07	A4
032	Mao	1	03	10	
033	Kaffa	1	04	13	
034	Maasai	1	03	07	A4
035	Konso	1	04	14	A7
036	Somali	1	04	14	A7
037	Amhara	2	04	15	A9
038	Bogo	2	04	14	A6
039	Kenuzi Nubian	2	03	07	A5
040	Teda	2	03	09	
041	Tuareg	2	04	11	
042	Riffian	2	04	11	

TABLE 3

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Identification Number	Name	Region	Family	Subfamily 1	Subfamily 2
043	Egyptian	2	04	15	A8
044	Hebrew	2	04	15	A8
045	Babylonian	2	04	15	A8
046	Rwala Bedouin	2	04	15	A8
047	Turks	2	21	42	
048	Gheg Albanian	5	05	22	
049	Roman	5	05	23	
050	Basque	5	99		
051	Irish	5	05	24	
052	Lapp (Saami)	5	20	41	
053	Nenets (Samoyed)	5	20	41	
054	Russian	5	05	25	
055	Abkhaz	2	07		
056	Armenian	2	05	20	
057	Kurd	2	05	21	M2
058	Basseri	2	05	21	M2
059	West Punjabi	2	05	21	M1
060	Gond	2	06	28	
061	Toda	2	06	29	
062	Santal	2	09	32	
063	Uttar Pradesh	2	05	21	M1
064	Burusho	2	99		
065	Kazak	2	21	42	
066	Khalka Mongols	2	21	43	
067	Lolo	2	08	31	M5
068	Lepcha	2	08	31	M3
069	Garo	2	08	31	M4
070	Lakher	2	08	31	M5
071	Burmese	3	08	31	M5
072	Lamet	3	09	33	M6
073	Vietnamese	2	09	33	M6
074	Rhade	2	11	35	P1
075	Khmer	3	09	33	M7
076	Central Thai	3	10		
077	Semang	3	09	33	M8
078	Nicobarese	3	09	33	M8
079	Andamese	3	12		
080	Vedda	2	05	21	M1
081	Tanala	1	11	35	P1
082	Negri Sembilan	3	11	35	P1
083	Java	3	11	35	P1
084	Bali	3	11	35	P1
		0	**		

TABLE 3 Continued

-

(continued)

-

Identificatio Number	on Name	Region	Family	Subfamily 1	Subfamily 2
085	Iban	3	11	35	 P1
086	Badjau	3	11	35	P1
087	Toradja	3	11	35	P1
088	Tobelorese	3	14		
089	Alorese	3	13	38	
090	Tiwi	4	17	00	
091	Aranda	4	17		
092	Orokaiva	4	13	36	
093	Kimam	4	13	37	
094	Kapauku	4	13	36	
095	Kwoma	4	15	00	
096	Manus	4	11	35	P2
097	New Ireland	4	11	35	P2
098	Trobriand	4	11	35	P2
099	Siuai	4	16	00	1 2
100	Tikopia	4	11	35	P2
101	Pentecost	4	11	35	P2
102	Mbau Fijian	4	11	35	P2
102	Ajie	4	11	35	P2
104	Maori	3	11	35	P2
105	Marquesan	3	11	35	P2
106	Samoan	3	11	35	P2
107	Kiribati	3	11	35	P2
108	Marshallese	3	11	35	P2
109	Chuuk (Truk)	3	11	35	P2
110	Yap	3	11	35	P1
111	Palau	3	11	35	P1
112	Ifugao	3	11	35	P1
113	Atayal	3	11	34	
114	Chinese	2	08	30	
115	Manchu	2	21	43	
116	Korean	2 5	99	10	
117	Japanese	5	99		
118	Ainu	5	99		
119	Gilyak	5	99		
120	Yukaghir	5	20	40	
120	Chukchee	5	22	10	
121	Ingalik	6	31	51	N2
122	Aleut	5	30	44	116
123	Copper Eskimo	5	30	44	
124	Montagnais	5 7	32	43 53	
125	Micmac	7	32	53	

TABLE 3 Continued

Identificati Number	on Name	Region	Family	Subfamily 1	Subfamily 2
		0	5	5	Sublainity 2
127	Salteaux	7	32	53	
128	Slave	7	31	51	N2
129	Kaska	6	31	51	N2
130	Eyak	6	31	51	N1
131	Haida	6	31	50	
132	Bellacoola	6	33		
133	Twana	6	33		
134	Yurok	7	32	52	
135	Pomo	7	37		
136	Yokuts	7	38		
137	Paiute	7	40	54	
138	Klamath	7	38		
139	Kutenai	7	99		
140	Gros Ventre	7	32	53	
141	Hidatsa	8	34		
142	Pawnee	8	36		
143	Omaha	8	34		
144	Huron	8	35		
145	Creek	8	39		
146	Natchez	8	39		
147	Comanche	8	40	54	
148	Chiricahua	7	31	51	N2
149	Zuni	9	99		
150	Havasupai	7	37		
151	Papago	9	40	55	N3
152	Huichol	9	40	55	N4
153	Aztec	9	40	55	N4
154	Sierra Popoluca	9	41	56	
155	Quiche	9	41	57	
156	Miskito	9	42	58	
157	Bribri	9	42	59	
158	Cuna	9	42	59	
159	Goajiro	9	43	60	
160	Haitian	8	05	26	
161	Callinago	8	43	60	
162	Warrau	8	44		
163	Yanomamo	8	45		
164	Barama Carib	8	46	63	
165	Saramacca	8	05	26	
166	Mundurucu	8	46	64	S2
167	Cubeo	8	40	01	5~
168	Сауара	9	44		

TABLE 3 Continued

-

(continued)

Identificati Number	on Name	Region	Family	Subfamily 1	Subfamily 2
		0	5		
169	Jivaro	8	48		
170	Amahuaca	8	45	62	
171	Inca	9	49		
172	Aymara	9	49		
173	Siriono	8	46	64	S1
174	Nambicuara	8	50		
175	Trumai	8	43	61	
176	Ramcocamecra	8	51	66	
177	Tupinamba	8	46	64	S1
178	Botocudo	8	51	65	
179	Shavante	8	51	66	
180	Aweikoma	8	51	66	
181	Cayua	8	46	64	S1
182	Lengua	8	52		
183	Abipon	8	53		
184	Mapuche	0	54		
185	Tehuelche	0	55		
186	Yahghan	0	99		

TABLE 3 Continued

Kordofanian. However, following Wald (1994), I have included Kordofanian as one of the subgroups of Niger-Congo, at the same level as Mande. This produces three main subfamilies that include societies from the Standard Cross-Cultural Sample-Mande, West Atlantic, and Central Niger-Congo. The latter group includes 18 societies from the Standard Cross-Cultural Sample. Figure 1 presents a simplified taxonomy of the Central Niger-Congo family,² listing only those groups that are necessary to distinguish among these 18 languages. Of the 18 languages, 12 are Bantu languages and 13 are in the Bantoid group. It takes seven levels of the taxonomy of Central Niger-Congo languages to get to Bantu and two more to get to Central Bantu (see Figure 1), with 10 members (more than 5% of the standard sample). The depth of this group within the taxonomy shows its relatively shallow time depth. The Bantu languages are the largest group in the sample with such a close historical relationship, so it is not surprising that they were the basis for our finding of language autocorrelation, described above.

1.			entra	al (2)					
	Aza	nde							
	Tal	lensi							
2	Sou	th C	entra	al (16)					
	а	We	stern	ı (2)					
		Asł	nanti						
		For	1						
	b		stern	(14)					
		i		ver N	iger ((1)			
		1	Igb		1801	1)			
		ii		nue Za	amho	si (14	3)		
		11	a	Car		51 (10)		
			b	Nyi					
			D	i	Plat				
				ii	Wel				
				11	1		di-Bo	مارينا	
					2		toid	UKYI	
					2			Do	ntu (1)
						а	Tiv		litu (1)
						1.			(10)
						b	Bro i		antu (12)
							I		ne (1)
								Bar	
							ii		rrow Bantu (11)
								а	Northwest Bantu (1)
									Nkundo Mondo
								b	Central Bantu (10)
									Thonga
									Lozi
									Mbundu
									Suku
									Bemba
									Nyakyusa
									Luguru
									Gikuyu
									Ganda
									Mbuti

Figure 1: Central Niger-Congo Languages (N = 18)

AUSTRONESIAN³

Austronesian (see Figure 2) includes 25 members in the Standard Cross-Cultural Sample. Four levels down, 13 of the languages are in the Oceanic branch of Eastern Malayo-Polynesian, 2

```
1. Ataylic (1)
    Atayal
    Malayo-Polynesian (24)
        Western Malayo-Polynesian (11)
    а
        i
             Sundic (5)
                 Malayic (3)
             а
                  Rhade
                  Negri-Sembilan
                  Iban
                  Java (1)
             b
                  Java
                  Bali-Susak (1)
             С
                  Bali
        ii
             Borneo (1)
             Tanala
        iii
             Samu-Bajaw (1)
             Badjau
             Celebes (1)
        iv
             Toradja
             North Philippines (1)
         v
             Ifugao
        vi
             Yap (1)
             Yap
        vii
             Palau (1)
             Palau
    b
        Central and Eastern Malayo-Polynesian (13)
             Central Malayo-Polynesian (0)
        i
             Eastern Malayo-Polynesian (13)
        ii
                 South Halmahera-Northwest New Guinea (0)
             а
                  Oceanic (13)
             b
                  1
                      Admiralty (1)
                      Manus
                  2
                      New Ireland-Tolai (1)
                      New Ireland
                      Milne Bay (1)
                  3
                      Trobriands
                      New Hebrides (1)
                  4
                      Ajie
                      Remote Oceanic (9)
                  5
                           Micronesian (3)
                      а
                           Kiribati
                           Marshallese
                           Chuuk
                      b
                           Central & New Hebrides (1)
                           Pentecost
```

Figure 2: Austronesian Language Family (N = 25)

с	Cer	ntral	Pacific (5)
	i	Fiji	i de la constante de
		Fiji	
	ii	Pol	ynesian (4)
		а	Samoic (2)
			Tikopia
			Samoa
		b	Eastern Polynesian (2)
			Maori
			Marquesan

Figure 2 Continued

which contains many Pacific Island languages. Here, the situation is similar to that with the Bantu languages, where a relatively cohesive group of people settled a large geographic area. It takes three more levels of the taxonomy to get to the four Polynesian languages.

CREOLE LANGUAGES

Taxonomic trees cannot capture the entire complexity of relationships among languages. For example, a taxonomic tree cannot accurately depict the known relationships of English, a Germanic language, with the Celtic and Romance languages; the relationships of Swahili both to Arabic and to the East African Bantu languages; or the language mixing that has occurred between some Austronesian and non-Austronesian languages in Melanesia. If language is to be used as a proxy for long-term historical relationships, one must be mindful of other kinds of processes that may affect the accuracy of taxonomic representations. For example, the Mbuti speak a Bantu language, but this does not index long-term historical linkages with other Bantu-speaking societies.

Two societies in the Standard Cross-Cultural Sample have Creole languages—the Haitians and the Saramacca. Both have strong influences from Indo-European and African languages. I have added an extra category under Indo-European to include these two.

TABLE 4
Cross-Tabulation of Old World and
Circumpolar Languages and Regions

	Africa	Middle Old World	<i>South East Asia and Insular Pacific</i>	New Guinea, Australia, and Melanesia	North and Circum-Polar
Khoisan	3				
Niger-Congo	23				
Nilo-Saharan	5	2			
Afro-Asiatic	5	8			
Indo-European		6			4
Dravidian		2			
Caucasian		1			
Altaic		4			
Sino-Tibetan		5	1		
Austroasiatic		2	4		
Daic			1		
Austronesian	1	1	16	7	
Andaman			1		
West Papuan			1		
Trans New					
Guinea			1	3	
Sepik-Ramu				1	
East Papuan				1	
Australian				2	
Uralic-Yukaghir					3
Chukchi-					
Kamchatkan					1
Eskimo-Aleut					2

RELATIONSHIPS BETWEEN LANGUAGE GROUPS AND REGIONS

In the Old World (Africa, Eurasia, and the Pacific), there is a strong relationship between regions and language families (see Table 4). This is represented visually in Figure 3 with a correspondence analysis. Here, we can see three lines of language families: (a) African language families, (b) language families of North Eurasia and Circumpolar, and (c) language families of Southeast Asia and the Pacific. The three lines are connected through the Middle Old World, the center of the Old World system.

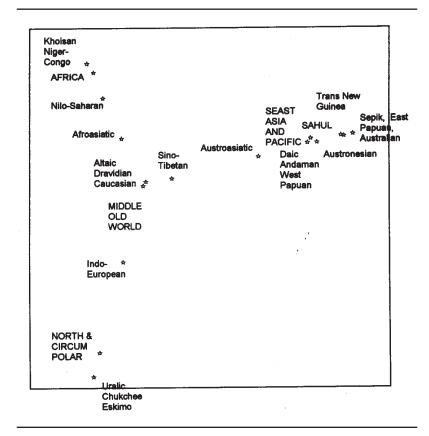


Figure 3: Correspondence Analysis of Old World and Circumpolar Regions and Language Families

Language families of the Americas show a different pattern of correspondence between regions and language families. Table 5 tabulates the many American language families against four American regions.⁴ The correspondence analysis of this table appears in Figure 4. Here, there are two main groupings, the first focussed in the west and northwest, the second including the Eastern Americas and Mesoamerica to the Andes.

	Northwest Coast	North and West	East	Mesoamerica Central America, Andes
Salish	2			
NaDene	~ 4	2		
Algic	-	5		
Hokan		2		
Penutian		2		
Siouan			2	
Iroquian			1	
Caddoan			1	
Natchez			2	
Panoan			2	
Tupian			4	
Tucanoan			2	
Jivaroan			1	
Nambiquara			1	
Macro Ge			4	
Mascoian			1	
IE Creole			2	
Guaykuran			1	
Uto-Aztecan		1	1	3
Paezan			1	1
Arawakan			2	1
Mayan				2
Chibchan				3
Quechumara				2

 TABLE 5

 Cross-Tabulation of American Language Families and Regions

PROPOSALS FOR MACROSCOPIC GROUPINGS

In addition to proposals discussed above, some scholars lump language families 13 to 16 into a single Papuan phylum. Korean and Japanese sometimes are included in a single family, which is often included in the Altaic language family. Although those proposals are open to debate, the earlier proposal for linking Uralic and Altaic has fallen into disuse.

I have included Haida in NaDene, following Campbell (1997), but this is not universally accepted. My usages of Penutian and Hokan follow Campbell's more conservative approach, and these are much smaller groupings than the larger groupings that originally were proposed by Sapir (1921).

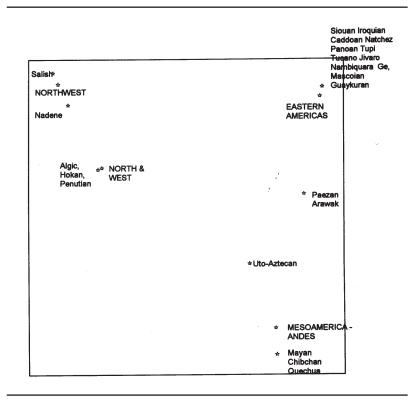


Figure 4: Correspondence Analysis of American Regions and Language Families

Notes

1. The language codes presented here are not the same as the codes published earlier in the electronic journal *World Cultures*. Those codes were based on Voegelin and Voegelin (1977).

2. This and the Austronesian taxonomy below are simplified by deletion of branches that do not contain standard sample societies. The full taxonomies are much more complicated.

3. Benedict (1942, 1975) proposed a link between Austronesian and the Thai (Daic) languages in a group called *Austro-Thai*. This is accepted by many but not all historical linguistics. Less support is given to an even

more macroscopic grouping of Austro-Thai with Austroasiatic in a phylum called *Austric*, described in Ruhlen (1991).

4. Three Far South societies not included.

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