



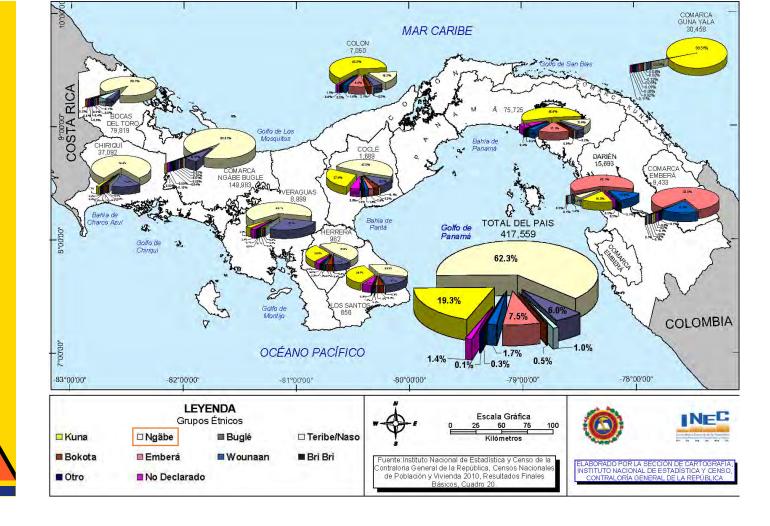
Who are de Ngäbe, formerly known as Guaymi?





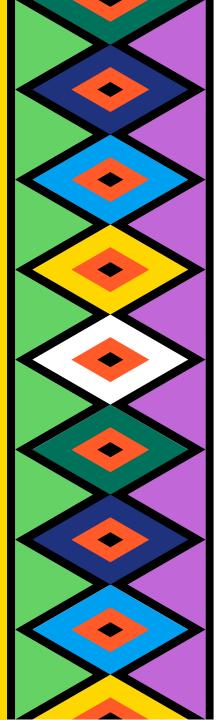
Distribution of Ngäbe

according to the 2010 census of population and residence by self identificación.



Article 13 of the United Nations
Declaration of Rights or the Indigenous
People, approved by the General
Assambly, in it's 107th plenary sesion on 13 of september of 2007*

*First draft received in 1990 in the Direction of Indigenous Politics, Ministry of Government, when I vas the Director, was sent to all the Indigenous General Congresses, that immediately changed the name that imperialistic governments had assigned them, and then they decided to use the names by wich they call themselves.



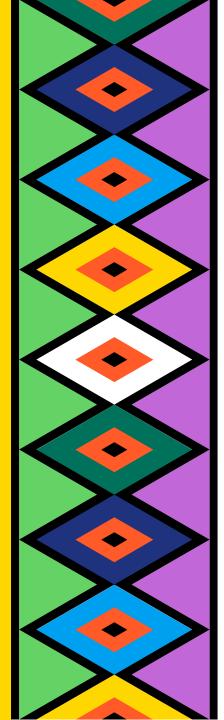
the change

from Guaymi to Ngäbe

- The indigenous people have the right to revitalize, utilize, foment, and transmit to their future generations their histories, languages, oral traditions, philosophies, systems of writing and literature, and attribute names to their communities, places and persons, as well as to maintain them.
- The States will adopt effective measures to ensure the protection opf this right and also to ensure that the indigenous people can understand and make themselves undestood in their political, judiciary, and administrative actions, giving them for that, when necessary, interpretation services or other adecuate means.

Article 13 of the United Nations
Declaration of Rights or the Indigenous
People, approved by the General
Assambly, in it's 107th plenary sesion on 13 of september of 2007*

*First draft received in 1990 in the Direction of Indigenous Politics, Ministry of Government, when I vas the Director, was sent to all the Indigenous General Congresses, that immediately changed the name that imperialistic governments had assigned them, and then they decided to use the names by wich they call themselves.



the change

from Guaymi to Ngäbe

Ngäbe derives from Ngöbö = God

and classifies them as children of God.

Guaymi in kichwa = My Woman

in Andean countries.

The DNA analysis of the frozen mummy of the "Maiden of the Andes" revealed that her paternal genes were Ngäbe.



What does the DNAmt revealed of 46 Ngäbe and 63 Guna women?

1998 Batista, Oriana I; Connie J.
Kolman, Tomás D. Arias, Francoise
Guionneau-Sinclair, Evelia Quiroz,
Eldredge Berminghan. Variación en el
ADNmt de dos Tribus Amerindias
Chibchas, los Ngobe y Guna de
Panamá. In Primer Congreso Científico
sobre Pueblos Indígenas de Costa Rica
v sus fronteras MEMORA. Compiladores:

María Eugenia Bozzoli, Ramiro Barrantes, Dinorah Obando y Mirna Rojas. Costa Rica: UNICEF, Universidad de Costa Rica (UCR), Universidad Estatal a Distancia (UNED), Editorial Universidad Estatal a Distantica (EUNED) Expansion 84,000 – 56,000 years, ocurred presumably in Mongolia, Asia

Mongol spot = "jagua" (Genipa americana) around buttocks

Joints of elbows & knees

Metabolism of alcohol

By the gums of the upper jaw, and not by the liver like blacks and whites. CHIBCHA

Expansion 9,300 – 10,000 years approx. ocurred in lower Central America

Languages of chibcha origin:

- Ngäbe (in Panama)
- Guna (in Panama)
- · Cabecar (in Costa Rica)

Oriana I. Batista, Autonomous Univesity of Chiriquí

Connie J. Kolman and Elredge Bermingham, Smithsonian Tropical Research Institute

Tomás Arias, Institute of Human Genome Universidad de Panamá

Francoise Guionneau-Sinclair, Department of Anthropology, University of Panama

Evelia Quiroz, Departament of Virología, Gorgas Memorial Center

1998 Primer Congreso Científico sobre Pueblos Indígenas de Costa Rica y sus Fronteras. Memoria. María Eugenia Bozzoli, Ramiro Barrantes, Dinorah Obando y Mirna Rojas, Compiladores. San José, Costa Rica: Fondo de las Naciones Unidas para la Infancia (UNICED); Universidad Estatal a Distancia (UNED); Universidad de Costa Rica (UCR)

GenBank data base, cuna L39319-L39326; ngöbé L39327-L39356

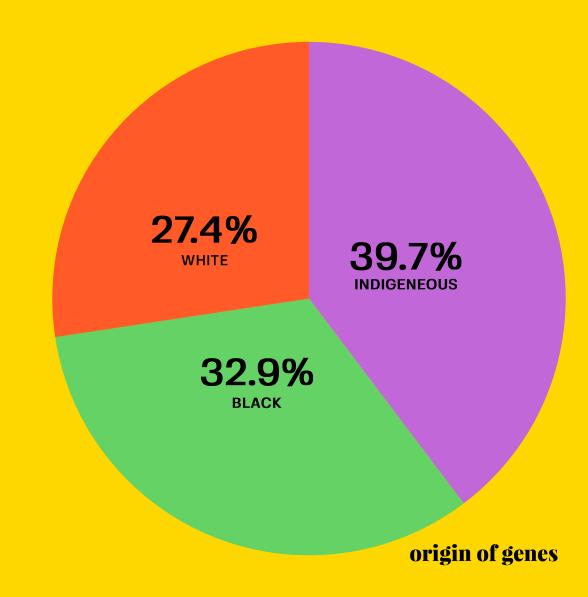


overall genetic composition

for the Republic of Panama

The provinces of **Chiriquí**, **Coclé**, and **Veraguas** have the highest composition of genes of indigenous origin.

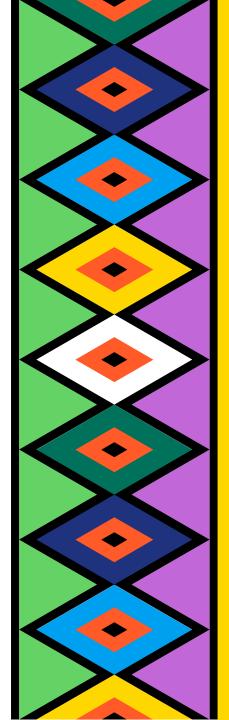
2003 Tomás Arias. Panamá: Un País Indígena Mestizado. In Caminos de Maíz. Agosto / Septiembre, páginas 41 a 43. Tomas Arias was the founder and Director of the Institute of Human Genome, University of Panamá



Using texts of written languages, linguists have calculated that every 1,000 years, 19% of a language base vocabulary changes.



1985 Ember, Carol R. and Melvin Ember. Anthropology. 4th Edition. Englewood Cliffs, New Jersey, Prentice Hall, Inc.



glotochronology

is the linguistic-mathemathical process

chrono = time
logia = knowledge / study of

A base vocabulary is formed by words common to the human experience on Earth, or in a region of the Earth.

A comparison is made of the sounds of languages in a same linguistic family:

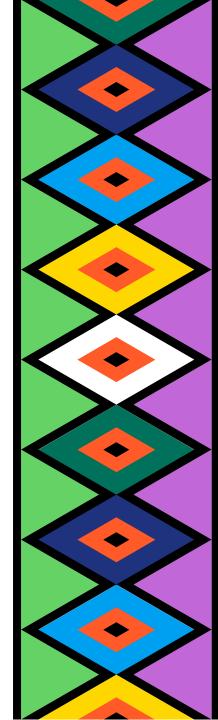
- 1. Count how many words have changed.
- 2. Calculate 19% of the base vocabulary being used.
- 3. Compare that percentage with the number of words that have changed to determine how much time those languages have been separated.

1968 Wilbert, Johannes, Editor. South American Indian Languages by Cestmir Loukotka. Prague: Institute of Ethnology and Folklore, Czechoslovakian Academy of Science. Los Angeles: Latin American Center, University of California.

1979 Javilla, Luciano S./ Töti Döbaribo y Melquiades Arosemena. Kukwe Ngäbere: Breve Diccionario Guaymí-Español. Panamá: Dirección Nacional de Patrimonio Histórico, Instituto Nacional de Cultura e Instituto Lingüistico de Verano.

1997 Diccionario Bilingüe Ngäbe-Español. Panamá: UNESCO, Red Nacional de Pueblos Indígenas de Panamá (REDNAEPIP) y Centro Indígena para el Desarrollo y la Conservación Ambiental (CIDCA)

1985 Erice, Jesús, c.m.f. Diccionario de la Lengua Kuna. Panamá: Impresora de la Nación/Instituto Nacional de Cultura.



glotochronology

comparison between **ngäbere** and guna, of the macrochibcha linguistic family

On the basis of 45 words of the base vocabulary of the Czechoslovakian linguist Cestmir Loukota

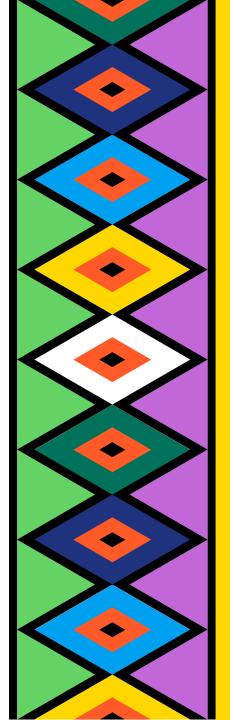
plus four words of the British linguist Brinton presented by Wilbert (1968), the Diccionario Bilingüe Ngäbe-Español (Javilla y Arosemena, 1997), the Diccionario De la Lengua Kuna (Erice, 1985) and Diccionario de la Lengua Caribe Cuna (Puig 1944).

*phonological & phonemic similarities

**BT = Bocas del Toro;

Ch = Chiriquí

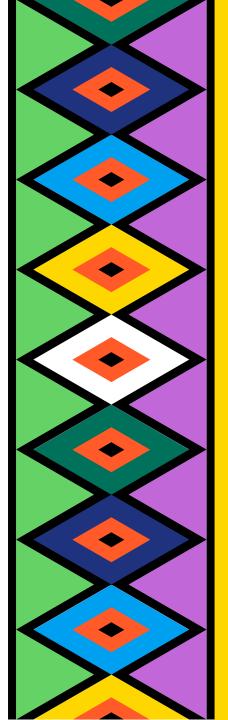
2005 Joly Adames, Luz Graciela. Lenguaje y Literatura Ngöbe/Ngäbe . David, Panamá: Rapi Impresos



glotochronology

comparison between **ngäbere** and guna, of the macrochibcha linguistic family

English	Ngäbere	Guna
PARTS OF THE HUMAN BODY		
Mouth (brinton)	Kada*	Kaka*; Kaya*
Foot	Ngoto*	Naga *
ELEMENTS OF NATURE		
Stone	Jäkwata *	Akua*
SOCIOCULTURAL ARTIFACTS / INSTRUMENTS		
CANOE	RU*; DU* (COAST)	ULU*; UR*
ANIMALS		
tapir	Molö*	Moli*
snake	Icha* (BT**); Isa* (Ch**)	Ichakua* (not poisonus)
fish	Gwa*	Ua*
NUMBERS		
two	Bobo* (doble fruit)	Po*; Bo*

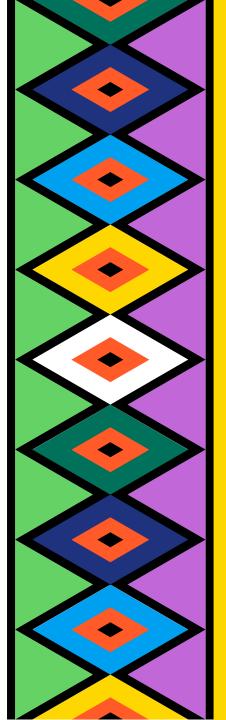


glotochronology

comparison between **ngäbere** and guna, of the macrochibcha linguistic family

When we compare these two languages, we discover that they have 8 sounds that are similar and that have the same meaning, of the 49 words of the base vocabulary.

- 1. When we subract 8 from 49, the result is that 41 words have changed.
- 2. When we divide 41 by 9.3 which is 19% of 49, the result is 4,409 years of linguistic separation.
- 3. When we divide 41 by 9.3 which is 19% of 49, the result is 4,409 years of linguistic separation.



glotochronology

comparison between **ngäbere** and guna, of the macrochibcha linguistic family

If the genetists inferred that the ngäbe and the guna have been 9,300 years in the lower part of Central America; and the glotochronological calculation revealed a linguistic separation of 4,409 years.

Then; 9,300 minus 4,409 is

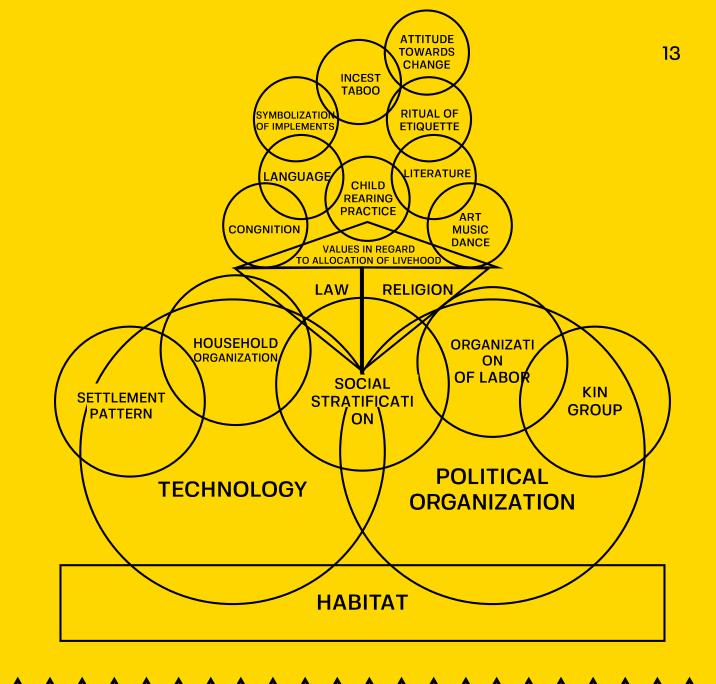
4,891 years of geographical separation.

The ngäbe West and the guna East of what is now the Panama Canal.



Holistic Sociocultural System

Culture as Adaptation. Yehudi A. Cohen. pp. 40-60. In Man in Adaptation: The Cultural Present. Edited by Yehudi A. Cohen. Chicago: Aldine Publishing Company



Adaptation to lowland rain forests under aboriginal conditions involves a broad spectrum of practices.



1979, 1982 Moran, Emilio F.

Human Adaptability: An Introduction to Ecological Anthropology. Boulder, Colorado: Westview Press



Habitat

Tropical Rainforest



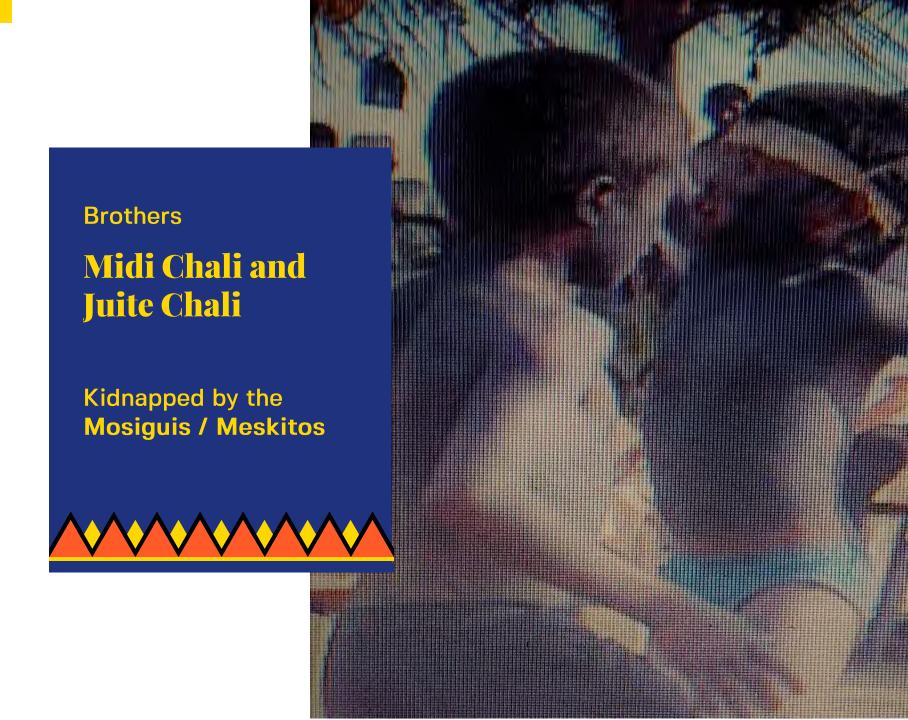
Practices that may be related to the characteristics of a diverse ecosystem.

Whenever possible, low population densities are maintained by practices that include:

- warfare,
- female infanticide, and
- village fissioning.



Midi Chali



2020-2021 Ing. Agr. Roger Séptimo Jiménez y Luz Graciela Joly Adames, Antropóloga, Ph.D.

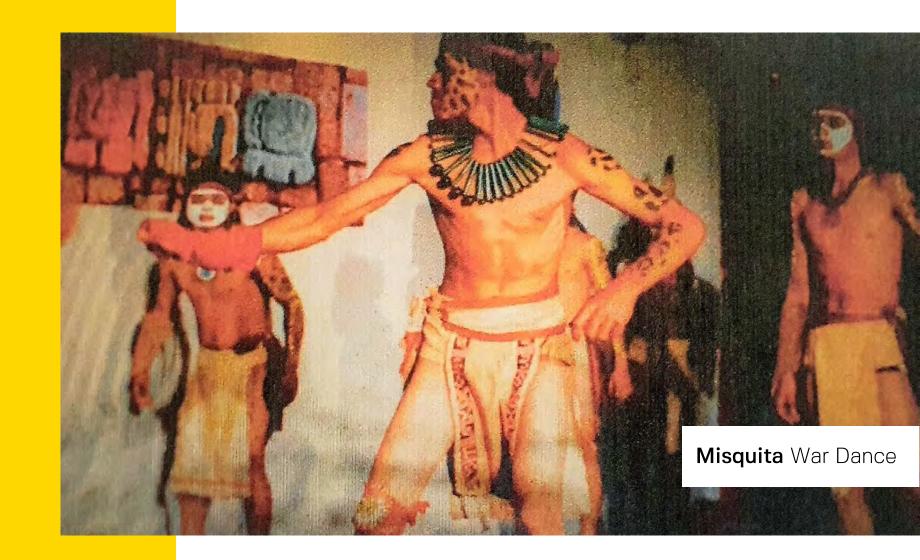


Midi Chali





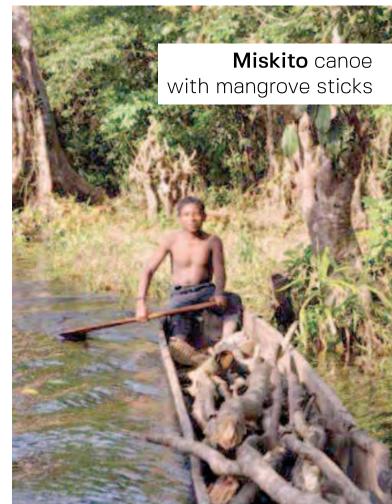
Midi Chali



Midi Chali









Midi Chali

It is remembered that this was the biggest massacre and defeat of the same dimension that the Mosiguis had. After this killing, the dead Mosiguis were picked up, their bellies were opened, and, with the same guts of the Mosiguis, Midi Chali was bathed. Then they gave him a sovereign lashing for his noxious militancy with the Mosiguis, against the Guaymi (Ngäbe). It seems that he did not intent to inform the Mosiguis anymore and decided to live with his group. Afterwards, he made or organized a battle that assalted Tolé, since he knew the method of attack and combat of the Mosiguis, which he imitated to do the heroic feat in Tolé, that is attributed to the Mosiguis, because it was a commando in a Mosigui style, but were Guaymies (Ngäbe). (1)

(1) The Miskitos penetrated the Isthmus, by the Atlantic side, coming from Nicaragua, in the year 1727. In 1732, they invaded the Villa of David, and in 1788 destroyed Bugaba, Tolé, and Cañazas. In the dawn of the 8th of September of 1788, they fell upon the missionaries in the reduction of Saint Joseph of Tolé, burned the convent, stole the sacred vessels, and badly injured Father Ramón Rabago, as is affirmed by the witness Fraile Diego Montes (General Archives of the Indies, Panama, Foil 265, Report of the Governor of Veraguas about the aggressions of the Miskitos in Tolé, Bugaba, and Cañazas, year 1788).



other territorial expansionist

1998 Joly, Luz Graciela. La etnohistoria oral Ngöbe. pp. 198-204 In Pueblos Indígenas de Panamá: Hacedores de historia y de cultura. Panamá: Proyecto UNESCO-DANIDA "Educación en Derechos Humanos en el Istmo Centroamericano" Decenio para la Educación sobre Derechos Humanos 1995-2004

Aside from the Mosigui (Meskitos), the Neguide Nag and the Neguide;

Roguin are described as territorial expansionists who invade the Ngäbe.

The suffix "de" in ngäbere means "among" or "in";

While the suffix "bo" means "site" or "place", in reference to ngäbe social groups like the Metobos, Mironombos, and Cronombos, who lived in ngäbe territory.



female infanticide

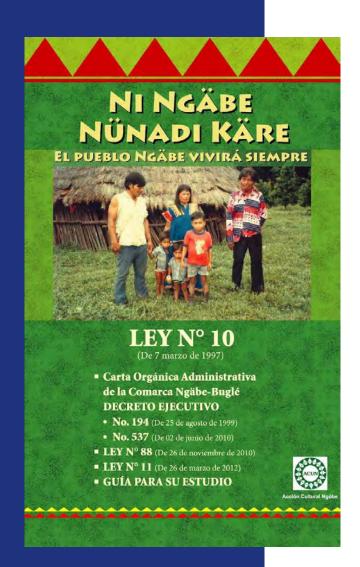
Ngäbe

Female of heterocygot twin is killed by midwife at birth.

Guna

Albino female child

is killed by midwife at birth.

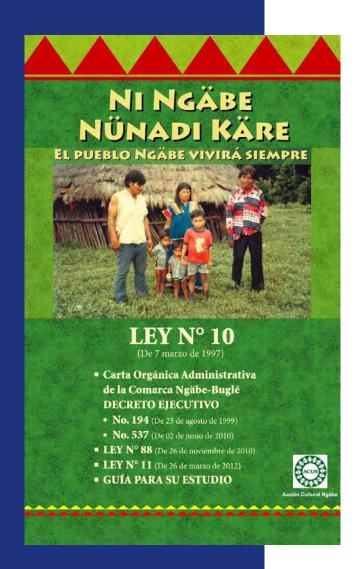


Political organization of the Comarca Ngäbe Bugle

- Law N° 10 (of 7 March 1997) "By which is created the Comarca Ngäbe Bugle and other measures are taken."
- Organic Administrative Chart of the Comarca Ngäbe Bugle: Executive Decree No 194 (of 25 August 1999) "By which is adopted the Organic Administrative Chart of the Comarca Ngäbe Bugle."







Political organization of the Comarca Ngäbe Bugle

- Law N° 88 (of 26 November 2010) "Which recognizes the languages and alphabets of the indigenous people of Panama and dictates norms for the intercultural bilingual education".
- Law Nº 11 (of 26 March 2012) "Which establishes a special regime for the protection of the mineral, hydric, and environmental resources in the Comarca Ngäbe Bugle".
- Guide for its study.





Traditional Indigenous Political Organization

The State recognizes the existence of the:

- General Congress of the Comarca as the maximum organism of ethnic and cultural expression and decision of the Ngäbe Bugle.
- Regional Congresses (Three regions: Nö Kribo, Nidrini, and Kädriri, divided into districts, corregimientos, and regimientos)
- Local Congresses (communities)





Traditional Indigenous Political Organization

The Organic Chart establishes how these congresses will function and be organized, as well as the form of electing their traditional authorities:

- General Cacique (Chief) salary by the Ministry of Government of Panama
- Regional Cacique (Chief) salary by the Ministry of Government of Panama
- Local Cacique (Chief) salary by the Ministry of Government of Panama
- Jefe Inmediato (Immediate Boss of a Corregimiento appointed by the Local Chief)
- Vocero de la Comunidad (Community Advocate elected by the community and can be designated by the Local Boss to serve as regidores)

Likewise, the **Organic Chart** establishes the duties, functions, and rights of the traditional authorities according to the **Constitution and Laws of the Republic of Panama**.





Political Government of the Republic of Panama

There will be a **Comarcal Governor**, of free appointment and removal by the President of the Republic, who **will represent the President**, with the same functions as the governors of the provinces now and in the future, as long as they are compatible with the present law.

Each comarcal district will have a **Comarcal Mayor**, head of the municipal administration of the Comarca, who will be elected by direct popular vote, for a period of five years, and the State will give the Mayor technical assistance by the **National Direction of Local Governments of the Ministry of Government**.

Each comarcal corregimiento can elect by direct popular vote a **Representative**, for a period of five years, and will be a **member of the municipal council of the Mayor**.









a socio-religious-political movement

On 22 September 1962, Adelia Bejerano Atencio, or **Besigó in ngäbere**, in Boca de Balsa, **Kruningotde in ngäbere**, had a visión of **Mama Kri** (the Virgin Mary) and **Tada Dios Jesus Christ**, who gave her the following messages:

- Keep apart from the latinos.
- Do not buy wire nor zinc, do not buy anything from latinos.
- Do not register children in the Civil Registry.
- Do not go to school. Do not marry latinos.
- Do not communicate these messages to latinos.
- Do not celebrate anymore balserias, chicherías, gwro, jiraka.
- Do not get drunk. Do not fight.
- Do not beat a woman.



1998 Quintero Sanchez, Blas. Mama Chi, el despertar Ngöbe. pp. 82-89 In Pueblos Indígenas de Panamá: Hacedores de cultura y de historia. Panamá: UNESCO-Panamá Proyectos Movilizador de Educación en Panamá



Religion: Mama Chi

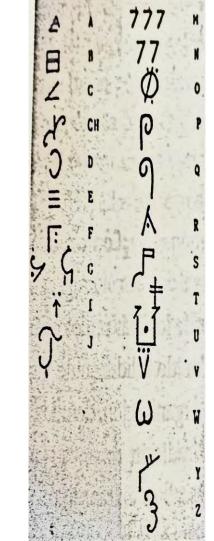
a socio-religious-political movement



- Get marry with the consent of your parents.
- Do not speak obscenities
- Work from Monday to Friday.
- Rest and pray on Saturday and Sunday.
- Have self education.
- Talk in your own language **ngäbere**.
- Learn to write with these glyphs and pictograms.
- Love, respect, and be tolerant among yourselves.



1998 Quintero Sanchez, Blas. Mama Chi, el despertar Ngöbe. pp. 82-89 In Pueblos Indígenas de Panamá: Hacedores de cultura y de historia. Panamá: UNESCO-Panamá Proyectos Movilizador de Educación en Panamá





comparison of

social stratification in prehispanic times

with changes in hispanic colonialism as reflected in oral ngäbe ethnohistory

1998 Joly, Luz Graciela. "La etnohistoria oral Ngobe". In Pueblos Indígenas de Panamá: Hacedores de cultura y de historia". Panamá: UNESCO.

Prehispanic

Suguiá / Sukia = Diviner

consultant, by physical and behavioral signs at birth and during physical growth.

Security force:

firstborn men, orphans of father and mother, children of unknown parents, pregnant women.

Physical trainers

Observers / informants

sent in groups of four to observe and inform of activities of other groups and persons.

Consuetudinary laws

like the prohibition of incest of a mother with her sons.

Colonial Period

Store owners in ports

where the Spanish ships arrived with imported merchandise.

"Patronos"

owners of cattle and pigs who had **ngäbe** "peasant slaves" who worked for them.

Ngäbe rebels

like Rogara Meto / Gö Caballero who burned the stores in Remedios and threw himself into the ocean, from the Rogatu / Pan de Azúcar hill, and became a giant fish that would swallow the Spanish ships.

Suguiás

who became traitors and allied with the store owners.

Ngäbe people

who became acculturated and dependant of the merchandise sold in the stores. "By political economy is understood the relations of power and control that determine the use of natural resources within a social formation of a group through time and space. It is the product of diverse interactions that symetrical."

entities and interests; have not always been

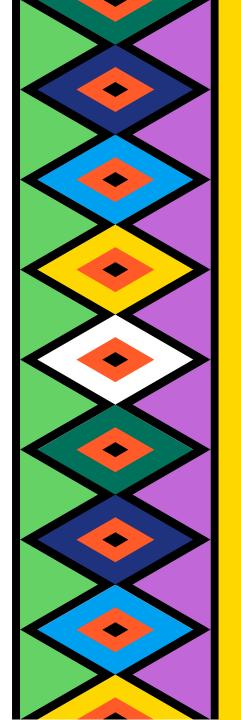
Political Economy of the Guaymi Groups

Historical Contrast with the Kuna

"The current practices of production, commerce, and exchange among panamanian indigenous groups were structured within the frame of confrontation, accomodation, or rejection of external forces. Besides, these foreign influences have not been homogenous. Very unequal historical processes have determined in great part the degree of control that nowadays the Guaymi and Kuna of Panama have over their own resources. The anthropological experience has demonstrated that the groups that have better managed their natural resources are those who, for diverse reasons, have managed to maintain, or have achieved, a high degree of territorial independence."

1987 Linares, Olga F. pp.10-39 In REVISTA PANAMENA DE ANTROPOLOGIA Nº3

"By political economy is understood the relations of power and control that determine the use of natural resources within a social formation of a group through time and space. It is the product of diverse entities and interests; interactions that have not always been symetrical."



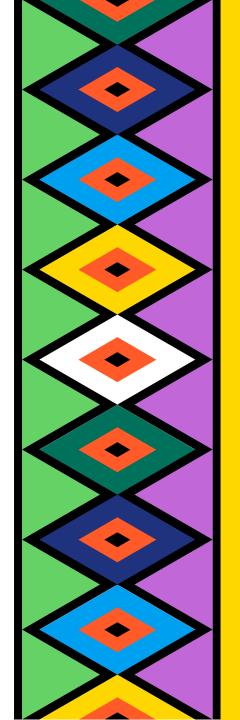
Political Economy of the Guaymí Groups

Historical Contrast with the Kuna

Extensive pastures introduced by the Spaniards for raising bovine cattle pushed the Guaymi from the Pacific lowlands to the highlands; and, ironically, induced the Guaymi to raise bovine cattle in the same way, causing deforestation and erosion in the highlands. Slash and burn agriculture is practiced to initially produce mainly native corn and manioc, plus rice introduced by the Spaniards, but after to plant grasses for cattle.



1987 Linares, Olga F. pp.10-39 In REVISTA PANAMENA DE ANTROPOLOGIA N°3 "By political economy is understood the relations of power and control that determine the use of natural resources within a social formation of a group through time and space. It is the product of diverse entities and interests: interactions that have not always been symetrical."



Political Economy of the Guaymí Groups

Historical Contrast with the Kuna

On the other hand, the Kuna rejected Spanish colonialism, both religiously and economically, especially cattle raising in extensive pastures, and relied mostly on fishing in the sea and rivers, and hunting in the rainforest.





Ngäbe oral ethnohistory

Human Differentiation

Human differentiation is described according to body height.

The **Metobos** are big and tall, while the **Mironombos** and **Cronombos** are small.

These groups have access to, use, and control different natural resources, with which they do different economic activities. The **Metobos** make salt*; the **Mironombos** and **Cronombos** hunt and fish.

*Salinas (salt sites) is a common surname among the Ngäbe. Many of them go every dry season to the Playa Zapotal** to make salt, that they mix with dried pulverized fish, crabs, and to take back home to make soup. Salt is also burned and darkened.

**This area, in the district of San Lorenzo, province of Chiriquí, was annexed to the Comarca Ngäbe Bugle, in Chapter III, Article 15, of the Organic Chart.

1998 Joly, Luz Graciela. La etnohistoria oral Ngöbe. pp. 198-204 In Pueblos Indígenas de Panamá: Hacedores de cultura y de historia

Ngäbe oral ethnohistory

Human Differentiation

These groups are organized in bands with different leaders. For example, the **Metobos** had leaders like **Ore Meto**, **Dego Meto**, and **Rogara Meto**.

Is this the etymology of the chiricano expression *Meto*?

The **Metobos** are also described as cruel usurpers, who did not allow the **Mironombos** and **Cronombos** to hunt and fish near the salt making sites.

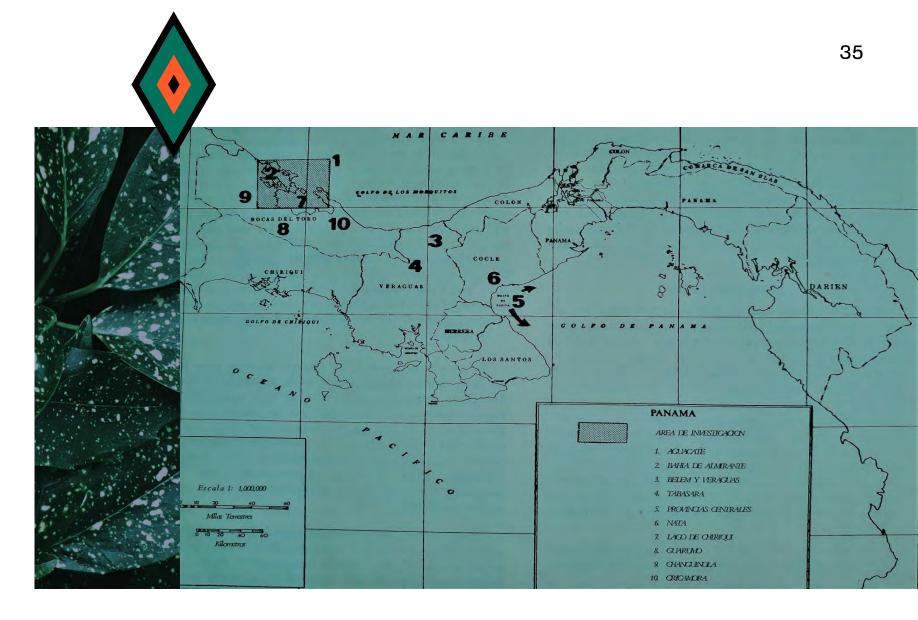
*Salinas (salt sites) is a common surname among the Ngäbe. Many of them go every dry season to the Playa Zapotal** to make salt, that they mix with dried pulverized fish, crabs, and to take back home to make soup. Salt is also burned and darkened.

**This area, in the district of San Lorenzo, province of Chiriquí, was annexed to the Comarca Ngäbe Bugle, in Chapter III, Article 15, of the Organic Chart.



Technology related to habitat:

'Garden Hunting' in the American Tropics





Technology related to habitat:

'Garden Hunting' in the American Tropics

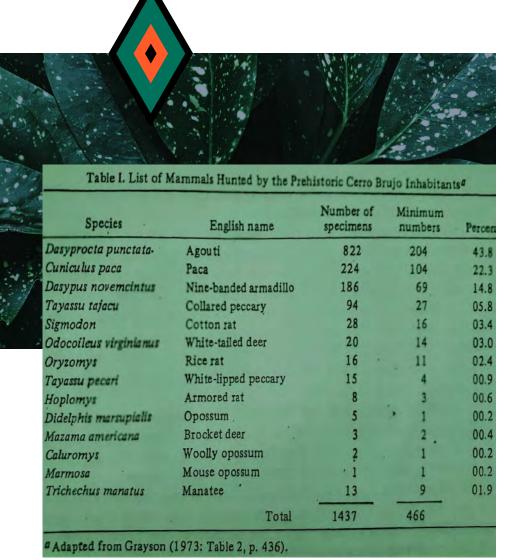
View of Almirante Bay, Bocas del Toro, from the Cerro Brujo hill where **Olga Linares dug.**



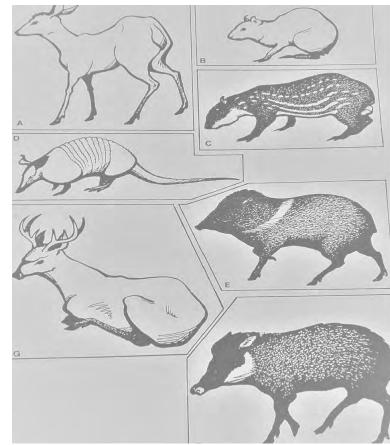


Technology related to habitat:

'Garden Hunting' in the American Tropics



Based on bones found in the excavation sites, which are similar to what **ngäbe** family in **Cerro Brujo** were hunting.



Animals that come to eat what people have planted.



Ñurum / Bötda









Chamadorea tepejelote
= Nurum / Botda with
"bichowatda" boiled
green fourfile banana



Ñurum / Bötda







Male inflorescence "Indigenous spaguetti"



Ñurum / Bötda

Composition

the edible portion of bodá is made up mainly of protein, minerals and fiber; which is established in this bromatological analysis

Nutrients	Composition
Raw protein	32.75 %
Calcium	6.87 %
Phosphorus	1.38 %
Copper	23.67 mg / Kg
Zinc	72.18 mg / Kg
Iron	716.29 mg / Kg
Raw fiber	8.76 %



Nutritional analysis of male inflorescence of *Chamadorea tepejelote* (IDIAP. 2013)



Carludovica **palmata**Ruiz & Pav.





- Cuna/Guna: Sabalet; Soso; Kuskin
- Choco/Embera: Gropo; Naguala
- Ngäbere: kimo; kimonga (the leaf)
- Colombia: Iraca; Lucatero; Lucua; Sombonaza
- Ecuador: Panama Hat Palm; Sombrero de Panamá
- Panamá: Atadero; Jipijapa; Guachivan; Porto Rico; Toquillo



Duke, James A. Isthmian Ethnobotanical Dictionary. Fulton, Maryland. 1972:20





Carludovica
palmata
Ruiz & Pav.



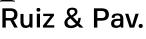








Carludovica **palmata**Ruiz & Pav.





Edible stamens of *Carludovica palmata* Ruiz & Pav. in breakfast with fruits, juice, oats, dark choclate





Carludovica **palmata**Ruiz & Pav.







Artesanal fibre of new leaf of Carludovica palmata Ruiz & Pav.



Pita / kiga

in ngäbere = Ananas magdalenae (Aechmea magdalenae André)

pp. 108 1928 Standley, Paul C. Flora of the Panama Canal Zone,
United States Herbarium, Volume 27. Washington, D.C.: United
States Government Printing Office. 1996 Schulz, Carsten y Gallego,
Aquilina. La Chácara-Arte Vivo de la Mujer Ngöbe: Mitología,
Costumbres, Plantas, Fa- bricación. Estudio Etnobotánico
Participativo. Documento Ngöbe, Tomo XII. San Félix: Instituto
Nacional de Recursos Naturales Renovables. Agencia Alemana de
Cooperación Ténica-GTZ, Proyecto Agroforestal Ngöbe



The long leaves contain a tough fiber of superior quality used in Central America for making rope and twine.



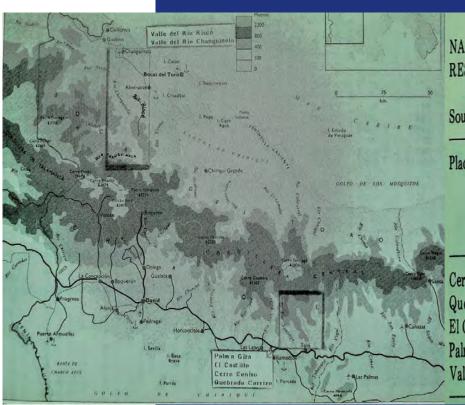
From left to right, photo of pita plant, scraping chlorophyl with a cane Blade, making thread, boiling threads with natural dyes, sewing a bag, baby sleeping in a swinging bag, harvesting green bananas and manioc.



Ethnobotanical Inventory of Medicinal Plants

used by the Guaymi Indians in Western Panama

L.G.Joly, S. Guerra, R. Séptimo, P.N. Solis, M. Correa, M.Gupta, S. Levy, and F. Sandberg Journal of Ethnopharmacology, 20 (1987) 145–171 Elsevier Scientific Publishers Ireland Ltd.



NAMES, LOCATIONS AND POPULATION OF PLACES WHERE "CURANDEROS" RESIDE AND WHERE COLLECTIONS WERE MADE

Source: DEC 1984.

Place	District Province		Total	Population		
			houses	Total	Indian	Non- Indian
Cerro Ceniza	Tolé	Chiriquí	35	264	264	0
Quebrada Carrizo	Tolé	Chiriquí	19	83	83	0
El Castillo	Tolé	Chiriquí	6	32	29	3
Palma Gira	Tolé	Chiriquí	24	162	162	0
Valle del Risco	Changuinola	Bocas del Toro	56	512	498	14







Ethnobotanical Inventory of Medicinal Plants

used by the Guaymi Indians in Western Panama



FREQUENCY OF MEDICINAL AND NUTRITIONAL USES OF THE SPECIMENS COLLECTED

Bocas del Toro (September 22-29, 1984)		Bocas del To (March 1—1)		Chiriqui (December 26, 1984— Jan 2, 1985)	
Edible Childbirth Women's ailments Dreams Breathing problems Diarrhea Snake Bites	10 9 7 7 6 5 4	Snake bites Vomiting Dreams ^a Childbirth Fever Poison	11 10 9 5 ^b 5 2 ^c	Diarrhea Snake bites Fever Breathing problems Evil Eye Vomiting Stomach aches Worms/parasites Witchcraft Rubella/measles Purgative Edible Headache Rashes Urinating problems Childbirth	19 18 13 11 9 8 5 5 4 4 4 4 3 3 3 2

^a Themes of dreams: eating and losing appetite; bee bite, transforming into a cat that fights and loses; falling, being in jail; being tied; injured with an arrow; someone touches the dreamer.

b Includes retention of the placenta in cows.

^c One is a fish poison and the other is poisonous to humans.



Medicinal Plants





Medicinal plants used by Emilia Santos, of the Association of Ngäbe and Peasant Women, in Quebrada Guabo, district of Besigo. She would tell biology and medicine students, who have to memorize a lot of data, that cacao will open their brains and keep them awake to study.



Other types of remedies for physical & spiritual illnesses

From left to right, the cacao fruit that is the sacred fruit of the ngäbe; the juice of the ripe cacao is poured on the eyes of a person who has been witchcrafted to expell the demons out





as evilness gets into the body through the eyes. The black seeds of the cacao are sundried and the grinded to cook the beverage which is drunk without milk nor sugar.



Other types of remedies for physical & spiritual illnesses

The hair of a pregnant woman is taken to a Sukiá to prepare a traditional medicine. A pregnant woman has a high value in the ngäbe social hierarchy as a source of vitality. For the cure with a hot nail, a type of acupuncture, a pregnant women is the one who applies it.



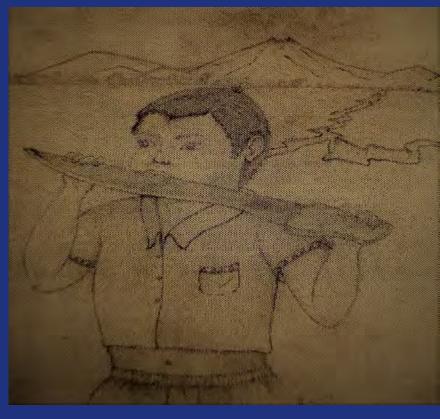


In the ethnohistories of **Döido** and **Täin** Vega, who became cannibals, the worse crime in **ngäbe** socioculture, small nets made with the hair of pregnant women were buried on the trail where they would pass to atract them as a magnet, and then put them to sleep with a ritual beverage made with cacao chewed by pregnant women, so that they could be tied and buried alive face down over pointed stakes as a punishment for their cannibalism.



Other types of remedies for physical & spiritual illnesses







A girl bites a rock when there is an earthquake so that her teeth don't fall.

A boy bites a machete so that his teeth don't fall when there is an earthquake.



Rituals related to childbirth

From left to right: the umbilical cord is cut with a cane blade, the dried umbilical cord that falls from the newborn baby is planted with the seed of a pixbá / pifá / peibaye / pejivalle (Guilielma utilis Oerst.),









whose fruit is a yellowish-orangy pulp that symbolizes the sun and, therefore, the palm will transmit the energy of the sun to the newborn so that the baby will grow healthy and strong.



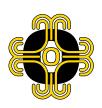
Rituals related to childbirth

This fruit is rich in vitamin C, calcium and fibre.
This is the umbilical tree of the person who has her/his umbilical cord buried with, and is the only person who can harvest the fruits of that tree.





The deeper that the placenta is buried, the longer it will take for the woman to become pregnant again—this is a contraceptive method; after giving birth a woman has to purify her hands by mashing cooked green bananas.



Rituals related to puberty



The puberty ritual is called the ceremony of the mouth. Symbolically, the mouth of the head refers indirectly to the vagina, and that the young woman can now eat the male penus.

To talk with a double sense is an appropriate way to talk with modesty, without vulgarity. Also, it is a test or proof of intelligence, to test the listeners, and at the same time provoke laughter if they understood the double sense.

Another name for this ritual is miroli the song for this ceremony.





Rituals related to puberty



During the four days of the ritual, the young woman prepares four rolls of ground corn for the four ancient women who will give her non formal sexual and reproductive education.

Among these recommendations, she should not stop on the trails or roads to talk to a man, so that she is not classified as a gossiper or chatterbox.

During this ritual, the young woman also weaves a white bag, without colors, that symbolizes the virginity of her vagina.

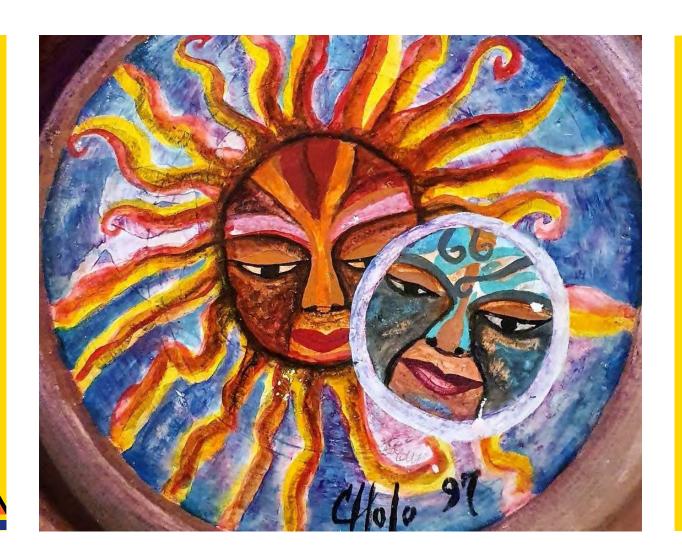




Consuetudinary Law =

Ethnohistory

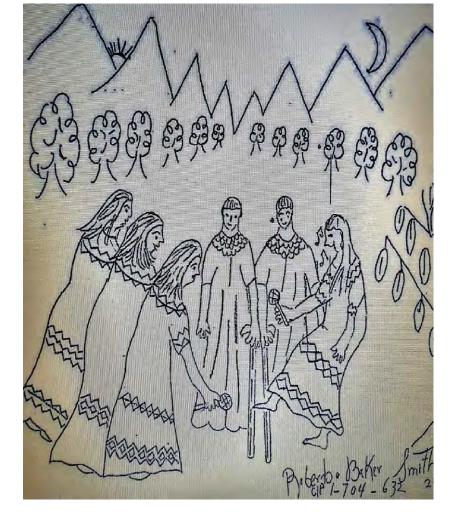
"The Sun and the Moon"





Consuetudinary Law = Ethnohistory

"The Sun and the Moon"



While singing and dancing,
Evia would step on the feet of
the handsome men dressed in
gold and silver to show that
she liked them; but always
people would tell her that she
could not do such a shameful
act because these men were
her sons.



Consuetudinary Law =

Ethnohistory

"The Sun and the Moon"



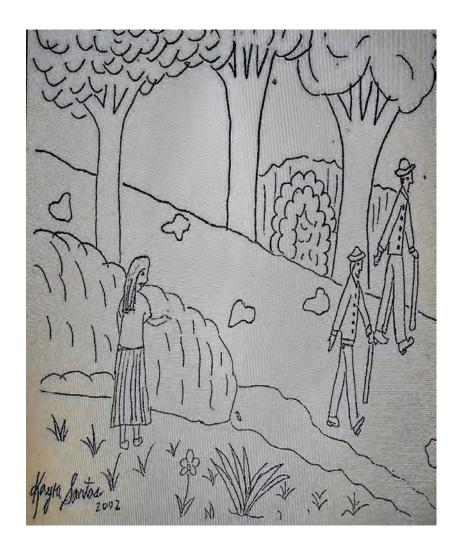
Evia would answer that such handsome men could not be her sons because she had left them sleeping by the fireplace with her parrot to look over them.



Consuetudinary Law =

Ethnohistory

"The Sun and the Moon"



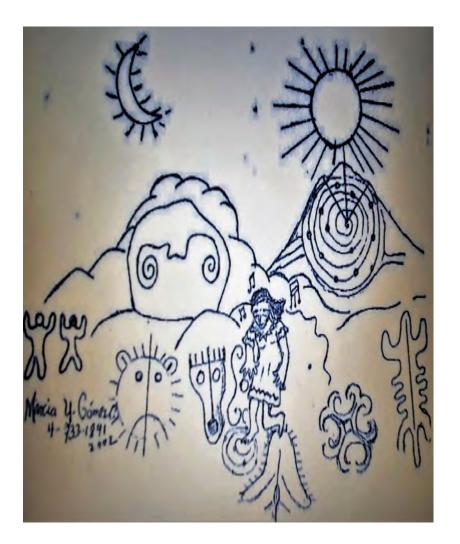
The fourth time that Evia was invited to a party, she decided to hide behind some bushes and verify is those handsome men would come out of her house and thus confirm if they were her sons.



Consuetudinary Law =

Ethnohistory

"The Sun and the Moon"



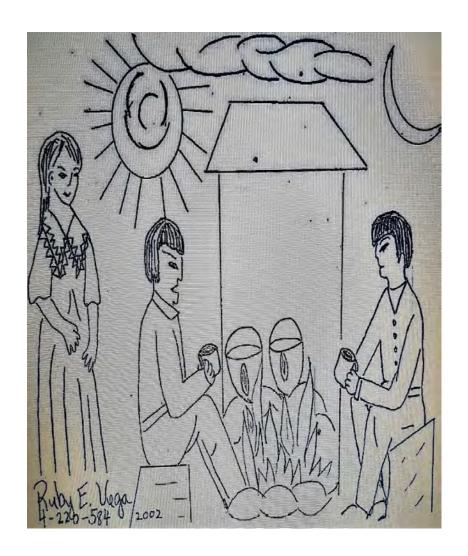
So, Evia decided not to go to the party, but went back to where she lived and started singing and engraving with her fingers and toes all the petroglyphs in the world.



Consuetudinary Law =

Ethnohistory

"The Sun and the Moon"



When the sons came back home after the party, they found out that their mother knew that they could transform themselves into those handsome men dressed in gold and silver. So, before deciding what to do with her, they prepared cocoa beverage. The one dressed in gold used red cocoa and the one dressed in silver used white cocoa.



Consuetudinary Law =

Ethnohistory

"The Sun and the Moon"



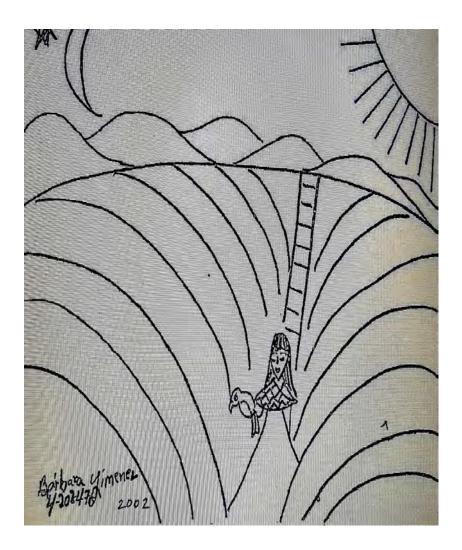
They told their mother that they were going to the river to bathe, but warned her not to open the pot where they were making the cocoa beverage. After they left, Evia said: They are my sons; they cannot forbid me to do that. She opened the pot and discovered that the red cocoa had become a girl and the white cacao had become a boy, and both were linked by a stick in their umbilical cords. Hot cocoa sprinkled and fell on her eyes and blinded her.



Consuetudinary Law =

Ethnohistory

"The Sun and the Moon"



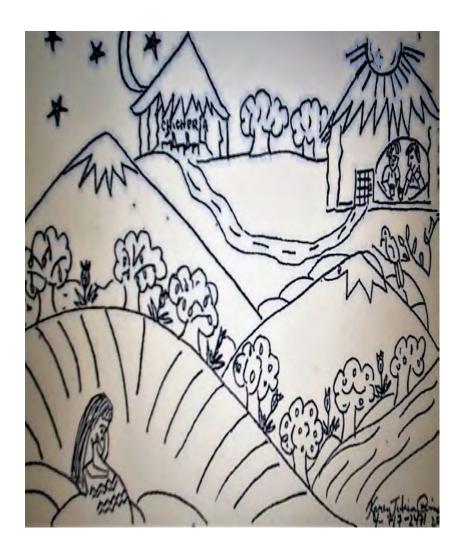
When the sons returned home from the river, and found their mother blind, they decided to throw her with her parrot into the abysm; but she would always come back to the surface of the earth. They threw her four times in the direction of the cardinal points: east, west, north, south. The fourth time they cut the head of the parrot because it reminded them of their mother's voice. When Evia climbs the ladder to the surface, the earth quakes.



Consuetudinary Law =

Ethnohistory

"The Sun and the Moon"



Evia is alive and will return at the end of times; and will continue coming up to the surface of the earth to eat soursops, mammes, and pineapples, that symbolize men on earth; because she is always madly in love with men.



Consuetudinary Law = Ethnohistory

"The Sun and the Moon"

1928 Standley, Paul C. Flora of the Panama Canal Zone, United States National Herbarium, Vol.27. Washington, D.C. United States Government Printing Office.



Evia, the mother of the sun and the moon, wants to climb to the Earth to eat soursops* (Annona muricata), mammes** (Mammea americana); pineapple*** (Ananas sativus)

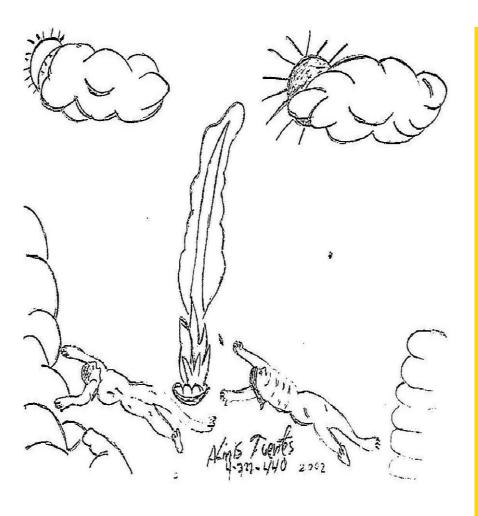
In this **ngäbe**ethnohistory, these
three fruits represent
humanity with some
people white, some
brown, and some
yellow.



Consuetudinary Law =

Ethnohistory

"The Sun and the Moon"



Is also a cosmogony = The formation of the sun and the moon.

The sun was the man dressed in gold and the moon the man dressed in silver; and they transformed themselves to shine on the mother earth.

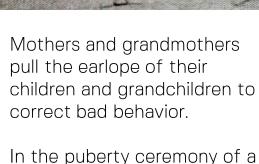


Child Rearing **Practices:**

Pulling Earlopes

2005 Joly Adames, Luz Graciela. Lenguaje y Literatura Ngöbe/Ngäbe. pp. 62. David, Panamá: Rapi Impresos.





her daughter has.

girl, four old women pull the earlopes to correct the defects that the mother of the girl has confessed that





earlope of a boy with the spine of a stingray when there are electric storms. According to Pastor Duran (1998), this practice is called guarare and is the origin of the toponym Guararé in the Azuero Peninsula, where there are

several toponyms in ngäbere.

A grandfather pierces the



The jegui





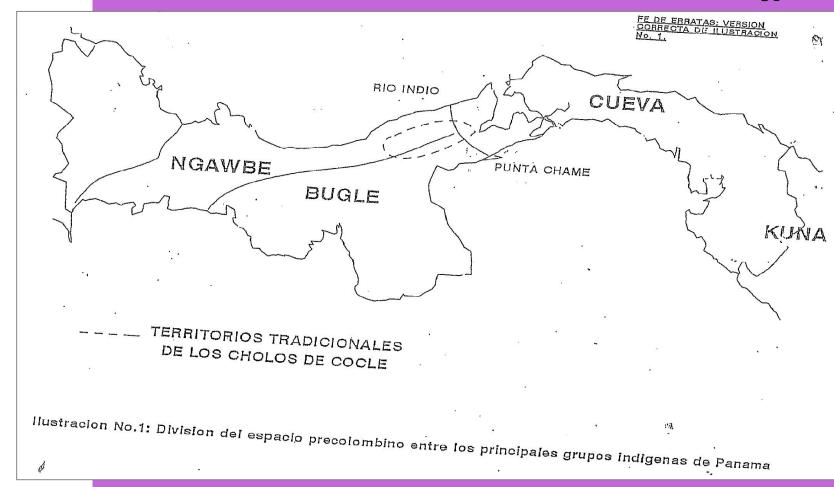
"This dance shows what a community should be:

a group or team with a necessary and vital coordination, that follows a rhythm, in which there is harmony expressed in different functions and expressions, but working in one direction, with a great sense of body, with much closeness."

2012 Sarsaneda, Jorge. SJ Cultura y Nación Ngöbe. Panamá: SICSAL in 2019 Fitzgerald, José. CM Danzar en la Casa de Ngöbo. Ediciones Abya Yala

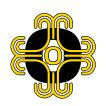


Songs in Buglere





Therefore, it is inferred that the Bugle had a higher ritual category in the past.



Petroglyph





Petroglyph at the watersource of Boquete is a map of surrounding area; spirals represent hills or elevated areas; circle with hole in the center is the spring that supplies water for the aqueduct of **Boquete**.





Petroglyph

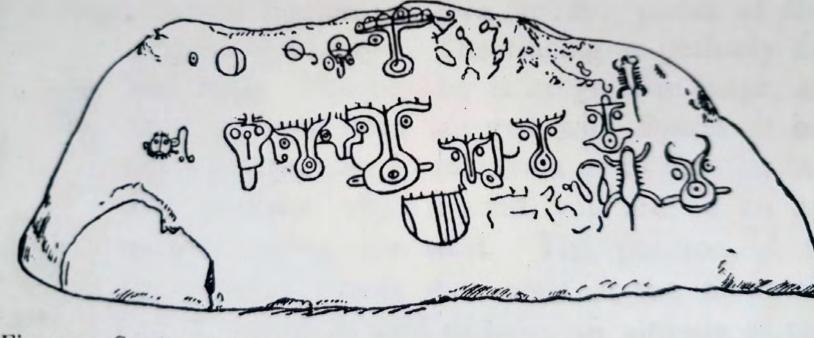


Fig. 52.—Southwest face of the piedra pintal or pictured rock at Caldera (After Holmes.)



Piedra Pintada de Caldera





Petroglyph

Karen Holmberg Serranía Geodésica La Artillería (17 km) Crater del Volcán Barú (25 km) Artilleria geodesic ridge (17 km) Volcán Barú crater (25 km) Ocaso del sol 308° "delante" de verano "front" "Paso" entre la roca Setting of the summer sun partida. ************* Split-boulder "passageway" PETROGLYPH BOULDER Roca del Petroglifo "back" "atrás" Quebrada _ Stream Foto 1. La cara oeste de la roca del petroglifo de Caldera Foto 2 "Paso" entre la roca partida.



Piedra Pintada de **Caldera** – Geodesic Relation with the Baru Volcano and the Artillery Ridge in Boquete.



2007 Karen Holmberg pp.48 y 49 En Joly Adames, Luz Graciela, Compiladora de CONOCE EL ARTE RUPESTRE EN PANAMA: Algunos Petroglifos en Chiriquí. David, Chiriquí, Panamá



Petroglyph

The five parts * Seven lunar lines for 12 moon-cycles in the of the calendar vear. · The solstice Suns • The East line · The S-shaped path • The equinox Sun



Piedra Pintada de Caldera - Solar / Lunar Calendar



2007 Roberto Pérez Franco pp.42 a 47 En Joly Adames, Luz Graciela, Compiladora de CONOCE EL ARTE RUPESTRE EN PANAMA: Algunos Petroglifos

en Chiriquí, David, Chiriquí, Panamá.



The ngäbetdotde

= "sewn/woven by ngäbe"





Triangles in **nagua** female dress, **kra** bag, **sobró** hat, and **chaquira** collar.



The ngäbe kra

= "bags"

1996 Schulz, Carsten y Gallego, Aquilina. La Chácara-Arte Vivo de la Mujer Ngöbe: Mitología, Costumbres, Plantas, Fabricación. Estudio Etnobotánico Participativo. Documento Ngöbe, Tomo XII. San Félix: Instituto Nacional de Recursos Naturales Renovables. Agencia Alemana de Cooperación Ténica GTZ Proyecto Agroforestal Ngöbe





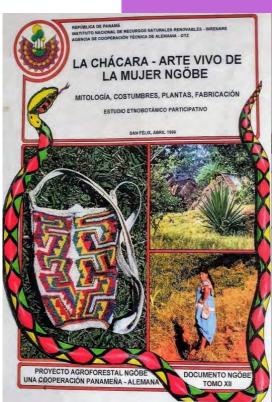
The ngäbe ethnohistory of the **Sukiá Sammy Kebetdo** relates that he ordered the **ngäbe** people to keep the triangles in the skin of the serpent **Magatda** alive so that the **Magatda** would not return to the mainland after the four young men that he sent to the mountain ridge to see what was causing so much rain.



The ngäbe kra

= "bags"

1996 Schulz, Carsten y Gallego, Aquilina. La Chácara-Arte Vivo de la Mujer Ngöbe: Mitología, Costumbres, Plantas, Fabricación. Estudio Etnobotánico Participativo. Documento Ngöbe, Tomo XII. San Félix: Instituto Nacional de Recursos Naturales Renovables. Agencia Alemana de Cooperación Ténica GTZ Proyecto Agroforestal Ngöbe







Sammy Kebetdo gave them the formula to throw the **Magatda** to the Caribbean sea. The pictures of hurricanes of NASA look like a coiled snake. **The Magatda was a hurricane.** Thanks to the **ngäbe** people for keeping the triangles alive, Panama gets the tips of hurricanes but not the full force of a hurricane as the in Caribbean islands.



Krung Kita"balsería" = game of sticks

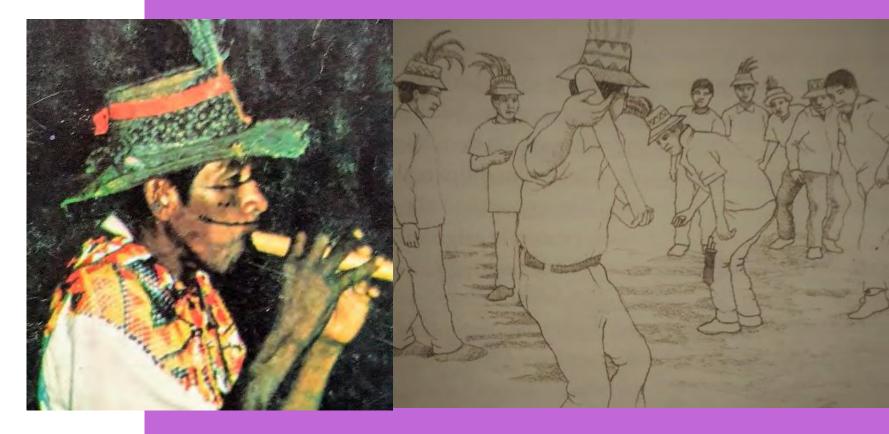




This is a very ancient game described as a "game of sticks" by the Belgian Catholic Brother Adrian Ufeldre of Saint Thomas, between 1622 and 1637, in the area of the Cricamola River, in what is now the province of Bocas del Toro and part of the Comarca Ngäbe Bugle.



Krung Kita "balsería" = game of sticks





The USA Anthropologist Phillip Young (1997), classified it as a game of "ritual brotherhood and rivalry" **Etdebali** with the duality of harmony and discord between ritual brothers.



Suggestions

PURÉ DE GUINEO VERDE

ON KINGLED IN BY LIST

12 diwimi (barun) pira kwese 1 pehalla chi tikete oti-chi 2 ajos mrukste kwin 2 gibbi tikete kin kin 2 tumate perita 2 ruchara mantequilla biti 2 ruchara mantequilla biti 1/4 tanz kian baninte (Ideal) kulan tikete kin kin



6 personas - Costo B/.1.95

Ingredientes:

12 guineos verdes pelados 1 cebolla mediana cortada en cuadritos pequeños 2 ajos bien machacados 2 ajíes criollos limpios y cortados en tiritas

2 ajíes criollos limpios y cortados en tiritas muy delgadas

2 tomates perita

2 cucharadas de margarina o mantequilla

1/4 taza de leche Ideal culantro picadito

Sal al gusto

Schere for

Downs (baran) rora kwose aune mikadre rien mren biti, nibira dorche ngwane makwe denkä ungwen bata. Aune ngire ngwane mrukete kwin tenedor biti, sarten yete mäkwe mantequilla, cebolla, guba mike rien nükwa braibe biti mriente kwin cebolla nibira darke ngwane yebiti ajo, kulan aune tomate kekete yete yebiti ne sara mike mrite diwima o baran ngätöbiti ye mike mren aune kian sasate kekete ja mike dorche kräke arato mäkwe jamón kia kia sasate kekete ja mike dorche kräke arato mäkwe jamón kia kia

Procedimiento:

Pelar los guineos. Cocinar con una pizca de sal. Cuando estén bien suaves retirar el agua y aun calientes majar con un tenedor muy bien.

En un sartén calentar la margarina o mantequilla a fuego bajo, añadir la cebolla y ajies, sofreir sin subir el calor de el fogón, revolver constantemente hasta que la cebolla este bien dorada, agregar el ajo y los tomates, mezclar con el puré, ajustar la sal y suavizar con la leche ideal si es necesario. Se pueden agregar recortes de jamón en cuadritos muy pequeños, huevos duros y queso blanco.



Patricia Miranda Allen Chef Restaurante Cerro Brujo Volcan, Chiriquí, Panama



Suggestions





Jätoaitda

= See You

