Abstract

Hallucinogenic Plant Use and Related Indigenous Belief
Systems in the Ecuadorian Amazon.

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This review article focuses on the on-going use of plant hallucinogens, especially various <u>Banisteriopsis</u> sps. among contemporary aboriginal populations of Ecuador. It surveys the evidence for prehistoric ayahuasca use by interpretations of Ecuadorian archaeological remains, and surveys in detail the use and belief systems connected to major plant hallucinogenic use among the Jibaro Indians and other tribal groups. A secondary theme includes coastal and Inter-Andean aboriginal drug use. The article stresses the inter-relatedness of aboriginal belief systems, folk medicine and world view linked to plant hallucinogenic ingestion.

HALLUCINOGENIC PLANT USE AND RELATED INDIGENOUS
BELIEF SYSTEMS IN THE ECUADORIAN AMAZON

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while the literature on ayahuasca use in Peru, Colombia and Brazil is generally known to the English-speaking world, a good deal of information about native Indian use of drug plants in Ecuador remains available only in Spanish to interested scholars (see however Harner 1968, 1962, 1973). This paper will serve as a review article, summarizing some important and interesting data on one major plant hallucinogen, ayahuasca (various <u>Banisteriopsis</u> sps.) in the Ecuadorian Amazon basin.

Such an analysis can begin actually some 3,000 years ago when archaeological data from Valdivia,

the use of a ceremonial cup of fine finish and ornamental symbolism which is similar to the type used today to drink ayahuasca. Among the thousands of figurines and sherds of pottery excavated in Valdivia over the last few years, many attest to the use of plant hallucinogens. At least five types of artifacts have been found which substantiate such use:

1) small vessels known by the Quechua name, <u>iscupuru</u>,

<u>llipta</u> or <u>poporo</u>, to keep the ashes of shells, plants,

lime or some other alkaline substance. Such alkali were

used along with the leaves of plant hallucinogens, like

those we find today associated with coca use in Bolivia,

Colombia, Peru and Ecuador. Several of these vessels have been uncovered containing lime. Ashes are mainly derived from shells, rather than bone or vegetable material.

- 2) some of these <u>poporos</u>, along with other anthropomorphic and zoomorphic pieces reveal the concept of an imagined, fantastic being, much the same as a Chinese dragon, representing mythological rather than real persons, or possibly a divinity
- so perceived during a drug influence. Additionally, imong there are tablets or trays and other objects for the use of snuffs with handles representing human figures which have more than one head, sometimes with phallic symbolism
- 4) figures representing the ceremonial seat of the religious practitioner, similar to the seats used by ayahuasca drinkers today in the Ecuadorian and Peruvian Amazon basin
- to inhale hallucinogenic snuff. Potential candidates for such paraphernalia include a plant called <u>cadiente</u> or <u>borrachera</u>, which grows abundantly in this area (<u>Ipomoea carnea</u>). The flowers and seeds contain among other alkaloids ergine or ethyl-amide of lysergic acid. Other plants include <u>Anadenanthera</u>, a potent hallucinogenic bush resin as well as virola snuff.

In a later cultural period, the Machalilla culture (1,500 B.C.-1,100 B.C.) has yielded numerous proros, as well

as slender ceramic tubes used to inhale hallucinogenic powders. Today. Colombian plains aborigines use such a double tube made from Y-shaped bone to apply to both nostrils simultaneously. Other archaeological horizons in which inhalation devices of reed or bone have been found include the Bahia (500 B.C. - 300 A.D.), the Guangala (400 B.C.-500 A.D.) and the Jama Coaque (400 B.C.-500 A.D.), as well as the Tolita culture (400 B.C.-500 A.D.). Pipes appear in the ceramic inventory, some with anthropomorphic and zoomorphic figures. Such pipes have been found to contain evidence of vegetable powders, and not tobacco, unlike North American Indian pipes. In the Manta culture (800 A.D.- 1,500 A.D.), many cemis are found. Metates. probably used to grind hallucinogenic powders as those suggested in the Caribbean region, are found among the Cashaloma culture (500 B.C.-500 A.D.), It has been estimated that coca appeared in Peru around 1,000 B.C. In Ecuador, among the Carchi cultural remains (500 B.C.-500 A.D.), coca use in indicated from ceramic figures, often with a priest-like figure represented with a bulge in his cheek due to his wadoof coca. Another drug plant used before the Inca period was vilka, also known as villea, huilca, huishca and wilca, which in Quechua means idol, god or divinity. A verb form, huilca-china, means to divine the future expressing the idea that through the use of the plant, one can contact divinities or that man, himself, can achieve such knowledge.

## ECUADORIAN ABORIGINAL USE OF PSYCHOACTIVE PLANTS

The plant, ayahuasca, actually represents a large number of species of Banisteriopsis. Known as yage, caapi, and nebi, among others, there are a number of native Indian terms

which have appeared in the literature for this group. Much of our earliest studies comes from the work of Karsten who lived in the Ecuadorian rain forest between the years 1916-1919. He conducted meticulous studies on how the drink, <a href="mailto:natema">natema</a>, was prepared, as well as its effects on myth and religious beliefs. Persistence of such beliefs has been documented by Oberem (1958) who has written of ayahuasca use among the Quijos of the Ecuadorian eastern region. They use ayahuasca for diagnosis and treatment of illness, even when Western medicine and pharmaceutical preparations are available to them. Further documentation of the persistence of these beliefs, albeit in transformed form has been documented by Dobkin de Rios, in her study of ayahuasca use among urbanized, acculturating populations in the Peruvian Amazon (Dobkin de Rios 1972).

Among The Untsuri Shuaras, or the Jibaro (a Spanish designate, the word sh-wara or sh-vara became transformed to Call a jahvas en intheir own language natem. shivaro and finally to Jibaro \ They constitute various ethnic groups spread among the southern part of the Ecuadorian eastern region in the Amazon Basin. Occupying the Pastaza river and its various tributary systems, this group inhabits the most southern edge of Ecuadorian territory. They have a long history of movement and dispersal within the Amazon basin. Since the Colonial period, they have been exposed to Catholic missionary activity and their renowned warrior activities have diminished. Three well-known tribal groups include the Colorados, Aucas and Jivaros, popularized by sensational journalistic reports. The Colorados are known for the tell-tale red color with The Aucas are famous for their which they paint themselves. rebellious history against the Inca and Westerners. The Jibaro

are renown for the process of shrinking their enemy heads as trophies. The data to follow on the Jibaro is based on the work of anthropologists, travelers and botanists who lived among them, as well as my own researches in this area. The sources include Karsten (1920,/1947). Rivet (1907-8, 1906. 1913a, 1913b, 1932, 1905), Ferguson (1954), Stirling (1938), Harner (1962, 1968, 1973) and Pellizzaro (1968). Some of the reports show the impressive cultural treasure of the Jibaro, their ancient traditions and their outstandingly rich mythology. Many years of Catholic influence, however, has distorted their belief systems and at present, it is difficult to distinguish between original Shuar mythology and the influence of Biblical thinking. Feguson (1954) lived with the Jibaro for many years and was able to learn the details of their reduction of heads. a process which is still occasionally performed. Imitations using calves' skins are regularly made to sell to tourists. My research has been among the Jivaros located between the Pastaza and Santiago Rivers. Their cultures have been documented anthropologically (see Naranjo 1972) and ayahuasca plays a central role in their medicine, magic and other rituals.

## JIBARO BELIEF SYSTEMS

# A. The Natural and Supernatural World: Genesis.

The Jibaros believe that the world is a huge island bounded by bottomless chasms and covered by the heavens which are composed of wide, flat plains. The gods live in these beautiful and fertile plains. They conceive the existence of the "high" heaven and the "Low" heaven. The Atsutes live in the "high" heaven. There are mysterious female gods who live with

the Ja people (star people). In their time, there were men-gods who went to this heaven without having first died. In the lower heaven are the <u>Arutames</u> who are the ancestral spirits of the tribe. They are just and kind, and have become a class of protector soul. Also in this heaven are the familiar dieties, physically very close to the earthly people who can communicate with them when they permit their presence to be known. Thanks to the doors under the waterfalls of the rivers, one can communicate with <u>Arutames</u>. For this reason, waterfalls and rapids have a sacred character and their waters bring purification.

In the higher heaven is the first Arutam, a kind of father-god who is named Ayumpum. This benevolent god watches over man's tranquility and prevents his making war by casting lightning whenever he is so inclined. To see that man lives the right way, the sun (Etsa) and the moon (Nantu) observe their daily life from above and below. In the beginning, man talked with the gods. Because of their sins, some men were changed into animals. Man lost the privilege of seeing and speaking with the gods. Only the shaman or witchdoctor (Shuara-ivishniu) or more simply, the ivishniu, can actually speak with the gods, and only because he possesses arutam. Common people possess only huacani, Thanks to the sacred drink, natema, they are able to see and speak with the gods. Tsungui (also written tsunqui, tsunki, tsungui) is the god of the waters. He is able to destroy the world through storms and floods. He produces rain by opening holes in the sky through which the water falls to earth. To communicate life and progress to humans, a beautiful woman god was adopted. Nungui (Nunkui or

nuancui) is the fairy goddess of humanity, who gave fertility to women and animals, and created the plants, among which are natema and tsangu (tobacco). Because of Nungui, the earth became paradise. One of the principal cults of the Jibaro is that of Nungui and her husband Shaquema (Shakema). The goddess Nungui is the protector of women and she has taught them agriculture, domestic chores, pottery making, the care of children and the domestication of animals. Women implore the protection and help of Nungui, both during the planting and harvest periods. Among the more important festivals and celebrations is noa tsangu, the women's tobacco festival. The married women drink ayahuasca (natema is a Shuar word). Under the influence of the drink, Nungui appears and shows them how to cultivate, care for the fields and animals as well as various other feminine chores.

In the earliest mythological accounts, <u>Nungui</u> is a goddess. By extension, she really assumes power as a feminine spirit or the best of the feminine, and especially as the spirit of cultivation of the fields. Distribution of labor and cult worship follows gender lines. Since the earth is feminine, it is cared for by women as is the cult to <u>Nungui</u>. Jibaro also believe that fire is feminine, so women tend it. Cotton is masculine and the spinning and weaving of fiber is a man's task. In contrast, the Indians of the Andes delegate this task to women.

A secondary cult to the sun and the moon also exists. According to Shuar mythology, there was an age when horrible giants called ihuias (<u>iuia</u>, <u>iwia</u>, <u>iguia</u>) came and destroyed and devoured everything that <u>Nungui</u> had created. One of these giants spared the life of a beautiful young girl named <u>Huanupa</u>

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(Wanupa) on the condition that she catch many fish every day.

Since Huanupa was the woman that the god of the waters and rivers,

Tsungui, loved, she could provide the necessary fish. One day
the giant Ihuia discovered the relationship between Huanupa and

Tsungui, and killed her out of jealousy. He opened her belly
with her own stone axe. From the wound emerged little eggs from
which Nantu (the sun) and Etsa (the moon were born). Etsa
and Nantu were brothers and they took the same wife. In the
end they became jealous of the love of the same woman so the
strong one Etsa became the sun and the weak one, Nantu became
the moon. This is why the moon gives light that illuminates
but does not give heat. The sun is such a strong god that no
one can go near him. He is austere and demanding; he punishes
and curses the men who disobey his orders.

The volcano Sangay is one of the most active volcanos of South America. Its presence is so familiar to the Jibaros that it is one of their most sacred mountains. According to their mythology, Sangay is populated by spirits. To initiate such grave undertakings as a hunt or war, the shaman consults Sangay as to the outcome of the project. If the volcano answers with intermittent columns of smoke—which is very frequent—there will be success. But, if there is rumbling or bellowing, it will be a disaster. The Jibaros offer a special cult to avoid the anger and fury of their sacred mountain, in order to win its favor. They offer the sacrifice of animals which seems to have a base in mythology.

B. The Kinds of Spirits and Ayahuasca: Huacani.

Karsten and Harner (loc. cit.) were able to distinguish in Jibaro thought three systems or categories. They are independent of each other and form logical entities by themselves: 1) the spirit system, including the belief in Nungui and her influences on feminine behavior; 2) the systems of magic and sorcery; and 3) the kinship system. The Jibaros have a deeply animistic conception of the world. Earth is swarming with good and evil spirits. Three kinds of spirits exist: the huacanes, the arutames, and iguanchis. The huacani (guacani, wacani) or nicas huacani is the common, true or real spirit or soul that exists in every Jibaro man, woman and child. It also exists in the majority of animals (especially in large mammals) and some plants. The huacani lives and breathes inside the host organism. He exists from the moment of birth and is especially manifest as the circulating blood. The loss of blood to a Jibaro and to many other aborigines means to lose vitality, not only in the physical sense but more importantly in the spiritual sense. Huacani can also show himself as a shadow, the image of a reflection in water or the image produced in a photograph. The Jibaros are very reserved about allowing themselves to be photographed since part of their huacani remains in the photograph and they are at the mercy of the owner of the photograph. The huacani also has the meaning of a soul or spirit inherent in life and is similar among all human beings.

When a Jibaro dies, it is usually considered to be a supernatural phenomenon. The physical body allows the <u>huacani</u> to leave. It changes into an invisible spirit and wanders about for a long time. It returns to its birthplace and begins a new

invisible life very similar to the one it led physically before. He will hunt, but can only be fed on the spirit of the animal he kills. For this reason, he will remain permanently hungry. This belief of the Jibaros about the <u>huacani</u> returning to its birthplace is very common in Amerindian culture.

Sometimes the <u>huacani</u> becomes visible in the form of an animal, in particular a large quadriped—often a deer—who is very much respected and not hunted. The deer is an animal tabooed to women. To eat its meat carries the risk of the <u>huacani</u> entering one's body, which can produce death. The <u>huacani</u> can also inhabit some plants and even inanimate objects.

After a period more or less equal to the time the Jibaro lived, the <u>huacani</u> changes into a permanently visible large grey butterfly, called <u>huampang</u>. The <u>huampang</u> lives in the forest and suffers the consequences of rains and storms. His wings deteriorate and finally they grow old and die. Then he becomes a light mist and joins the clouds. Mist and clouds are nothing more than a fantastic world of souls that gently wraps the surface of the earth. It seems to be a parallel to the biochemical concept of the decomposition of living things. The residual material stays on earth and the gases produced by the bacterial decomposition join the atmosphere.

## C. The Arutam and the Immortality of Man.

Arutam huacani (the Jibaros often invert the final letters to pronounce the above arutma) properly means ancestral spirit. It comes from the word aruta, meaning, old or used. By extension arutam also means apparition or vision of the ancestral spirit. Drinking natema is essential to see and enter into contact with the arutam. So then, arutam constitutes another

kind of apirit. It confers force, dominance and above all, immortality.

According to Shuar mythology, Etsa was on good terms with men and exterminated the ihuia giants; but because of man's sins, he cursed humanity and decreed death. They came back as cannibals, some in the form of animals with tails. The appearance of a giant named Japapiunchac who threatened to destroy the Shuaras is noteworthy in their mythology. One day, a slightly husky and not very brave Shuara named Cujancham declared that an arutam had appeared and bestowed upon him great powers with which to kill the giant. All the warriors of the tribe could do was laugh. But Cujancham did indeed kill the giant Japapiunchac. This is how they discovered that arutam could bestow power and immortality.

No one is born with <u>arutam</u>. He must gain it by force and discipline and by complying with the corresponding ritual. Each person can have up to two <u>arutams</u>. He who has but one, although generally immortal, can die from certain diseases, like infectious ones. The person who has two <u>arutams</u>, is free from death by any means. If death occurs, the Shuara attribute it to the fact that <u>arutams</u> fled the body which was left defenseless. <u>Arutam</u> is indispensible for man. It is not essential for a woman, however, who is not obliged to fight, make war or hunt. For her, the spirit of <u>Nungui</u> is enough. The Jibaro acquires his first <u>arutam</u> between the ages of fifteen and seventeen years. It is acquired in one of the most important Jibaro ceremonies. It is performed by a waterfall considered highly sacred, usually two or three day's walk from the village site. Behind the falls are believed to be the doors through

which the <u>arutams</u> of the ancestors have returned to the world, or the heaven of the fortunate ones. Through these doors the <u>arutams</u> come to inhabit new persons.

There are different ways to search for the artham. Every now and then, the father may take his son to the sacred waterfall, or they may participate in a tribal pilgrimage which occurs at certain intervals. The pilgrimage is led by a village elder who is of either sex, highly respected by members of the tribe. It is believed that the elder is protected by the gods since he or she has not been touched for many years by the evil of the iguanchis. The pilgrimage may take days, depending on the distance of the waterfall from the village. All participants must obey the elder, fast and chew or smoke tobacco at night to prepare the body for the entrance of the arutam. Chants and incantations are performed so that the arutam will look with pity and favor on his descendants. The climax of the ceremony is when the group arrive at the waterfall, bathe according to special ritual, and drink tobacco juice. At night, they drink natema and the juice of maicoa or maicua (Batura sps.). During the hallucinations, they meet the arutam. This encounter varies according to the individual. Some see terrible deformed individuals, while others see bravery and courage personified by kind and protective beings who bring a message of force, life, power and triumph. Upon recovering their psychic facilities, the minitiates must secretly tell the elder what they saw in their vision or ecstasy. He then gives an interpretation for each experience.

There are several stereotypic arutam visions which occur: they include large rings or luminescent balls of fires,

a pair of giant jaguars or anacondas entangled in struggle. When the arutam appears, the Jibaro must touch him if possible with his hand or stick. This requires special courage if the arutam appears as a ferocious creature. Sometimes the arutam explodes or disappears before the Jibaro has the chance to touch him and hold him. In that case, the Jibaro must try again. This also must be told in secret to the elder who led the pilgrimage. On the journey back to the village, the initiate who experienced this vision must sleep alone along the side of the river. The arutam will reappear and say: "I am your ancestor; and as I lived long you will also live long; as I have killed many times you also will kill many times." Having said this, the arutam enters the individual. The Jibaro who has acquired arutam begins to feel great physical and intellectual power, called cacarma. It is immediately noticeable that he has acquired arutam because of his change in spirit. His speech is bolder and he demonstrates his physical and mental prowess. Soon he proposes to organize an expedition for hunting and even to kill some personal or tribal enemy, always of another tribe. Due to the process of acculturation, the tradition is diaappearing. Today, the taking of the head of a supposed enemy to reduce to a tzantza is more tradition than reality. Many Shuar groups are so familiar to the White man or the Mestizo, that their customs have changed. Some Shuar are even familiar with airplanes.

The Jibaro does not get his second <u>arutam</u> only by stealing it from an enemy. There are simpler methodselike walking through the jungle on a stormy night, when he can meet

and receive a new <u>arutam</u>. Killing for the Jibaro means greater power and vigor for the individual, exchanging the death of his fellow man for his own immortality. Reducing decapitated heads block the exit of the spirit of vengeance who can become a devil and haunt them later on.

#### d. Muisac-the Avenging Soul.

The third class of spirit or soul is the avenging soul muisac (or muisak, muiska). It is closely related to arutam. As already mentioned, the death of an adult, except for some infectious diseases, is considered a supernatural phenomenon caused by an enemy. At the very moment of death. the person who possesses arutam, a muisac, is generated into being and escapes through his mouth. Later the muisac changes into a demon which will avenge death. If the killer also possesses arutam he cannot be attacked, so the muisac turns against the killer's wife or children. When the muisac flees the dead body, he is transformed into one of the three classic forms of demon, or iguanchi: these include an extremely poisonous snake, macanlli, an anaconda (panlli) or a great tree. Macanlli can kill the victim with his poison. The anaconda will capsize a canoe in the middle of the river so the victim drowns, and the great tree crushes the victim as he walks through the jungle. In actuality, the three most common causes of death among the Jibaro are: death by drowning, strangling by anaconda, or being crushed by a tree. In any case, these deaths are from supernatural causes brought about by a muisac.

The <u>iguanchi</u> can also appear in other animal or human forms, and he can attack an enemy, especially as he sleeps. For this reason, the Jivaro sleeps with his spear because he feels

as a human, with colorful and attractive adornments. It has not been unusual for a white man to be considered an <u>iguanchi</u>. The risks brought by the muisac do not refer exclusively to the risks run by a murderer. Death is usually the result of the invisible aggression of an enemy who waited for the loss of the victim's <u>arutam</u>, whether it was lost or stolen. It can also result from the enemy witchdoctor shooting invisible arrows. In any case, the death must be avenged, otherwise the avenging soul will attack the members of the family of the dead one, in the form of an <u>iguanchi</u>. Once the death has been avenged, the muisac becomes a good protector spirit.

The men's widespread custom of painting the face is not merely for cosmetic purposes. The Jibaro paints himself to fool the <u>iguanchi</u>, so that he may not be recognized. He may paint himself in such a hideous manner to look like a monster and instill fear in the <u>iguanchi</u> and make him flee. At any rate, the Jibaro men are the ones who decorate and adorn themselves with beautiful necklaces, crowns and garlands of bird feathers.

#### e. Headhunting and Tzantzification.

According to Jibaro mythology, Etsa took pity on man and sent Ayumpum to restore peace to the people. Ayumpum, as in the story of Pandora's box, brought sealed boxes to his three chiefs Jencham, Cujancham and Huanchur. He ordered them to throw the boxes off a cliff without opening them. The boxes were so attractive and had such exquisite aromas, that none could

resist the urge. Each one opened his own box. Jencham opened his first and his face changed to female genitals. All the children born in his clan died mysteriously. When Huanchur opened his, he immediately grew old and grey, as did the people of his clan. Finally Cujancham opened his. His avenging soul became visible to his enemies in the form of rays of light, so that victory was impossible for him to achieve. The people of Jencham, led by their chief Cupi attacked the group of Cujancham at night. They were the current enemies. They cut off the heads of the young men and drank their blood. The group of Cujancham were decimated by the raid. They repented and begged Ayumpum to give back their arutam. After having regained it, they felt strong and invincible, and attacked and exterminated the Jencham people. In order to trap the vengeful spirits of the jenchames, they cut off their heads and shrank them. The jenchames became bats and their chief, named Cupi, became a bird of the same name.

There is another mythological version which is also noteworthy in discovering the beginnings of head shrinking.

Many centuries ago, there was a great eruption of the volcano Sangay. From the billowing mouth of the volcano, among the flames and lava came Panlli or Pangui, the father of demons. He appeared in the form of a giant anaconda who came down from the peak to a certain lake. In the Shuara language, the anaconda (Boa americana or water boa Ewrectes murinus) is called panlli which also means demon. In quechua he is called amarun. Each day the monster came out of the lake and devoured the men of the tribe so that only their widows survived. The great chief Unda

warriors to march to the sacred waterfall. There, they erected three altars, each one upon a pillar of wood. Then the witchdoctor: (ivishniu) prepared the divine drink natema. Three trees were felled and on each trunk they placed a special cup to drink the natema. Everyone fasted for three days. On the third day they drank the sacred potion to receive the vision of Arutam huacani. That night three spirits in human form appeared. The witchdoctor presented the tribes' fears and complaints to them, and implored their help and protection. Later they bathed in the sacred waters of the waterfall.

The next night they again drank natema. The spirits reappeared and told them the plan that Arutam huacani had drawn up for the battle against the Panlli. Following the instructions, they sent several warriors to the foot of Sangay in the name of Arutam to ask him to prevent the appearance of other evil spirits until they were ready to fight the Panlli. They offered sacrifices, including the life of a paqui (wild boar). It was tied to four posts, according to the first rite. With its own blood, they painted the front of its legs as homage to good spirits. That night they roasted the animal and ate it. The day after, they marched to the lake. The ceremony they practice today may poss ibly have this mythological base. Arriving at the lake, they drained it and found the giant snake who was still placidly ingesting the last Jibaro he had eaten. They organized a battle and finally killed the monster. Immediately they beheaded it and shrank its head to prevent the escape of Panlli, the evil

apirit.

Regardless of the mythological base of tzantzification, the practice seems to be based on the struggle between good and evil, and the eternal triumph of good. That is, the tribe believes in its value and permits its survival. In part, at least, it prevents the enemy's avenging soul from escaping the body and causing them great damage. When headhunting was common, and one or more Jibaro acquired arutam, they mounted an expedition of several days' duration to attack and kill the supposed or real enemy. On the eve of the attack, they performed a special ceremony in which each warrior announced his vision of arutam. After devulging the secret, the arutam left the body of each Jibaro in the form of wind, storm, thunder or lightning.

The arutam does not leave the body instantly, but progressively through several days. The Jibaro maintains enough power to attack his enemy, and searches for him with great persistence. If, by change, the first enemy is not found, he continues to search for new ones. If indeed he kills his enemy, immediately upon his return, he acquires a new arutam which is considered to be possessed of energy and vigor. Even though the possession of a new arutam requires the sacrifice of just one enemy, participation in more than one manhunt confers further strength and power. Hence the man who has killed more than one enemy is considered a superior man in his own tribe. He is invincible and one should never attempt to attack him. If the enemy also possesses arutam and so is immortal, his arutam must be stolen first. There are several ways to do this, including ingesting the drink natema; during a moment while the enemy

sleeps, a Jibaro warrior can steal his aratam.

When the death expedition is successful and an enemy is decapitated, his head is shrunk as soon as possible to prevent the escape and further vengeance of muisac. The preparation of the tzantza is one of the better kept tribal secrets. A decoction of various plantsis used. The bones are removed through the neck opening and later dried with hot stones and the campfire smoke. Finally, itis painted with charcoal or preferably with theoblack dye of sua (Genipa americana) so that the muisac cannot see through the skin and escape. Upon their return from the successful manhunt, they immediately organize the first tzantza feast. This is repeated for two or three times after several days. That celebration is similar to ones they perform today for other reasons. Both men and women participate in the feast-ceremony at which they dance and drink chicha beer made of yucca. They value maintaining harmony among clan members so that the muisac has no chance to exert its vengeance during a time of discord. At the beginning of the ceremony the enemy's killer holds the tzantza, to give him more power and strength. Two women may accompany him, usually his closest relatives -- wife and daughter, or wife and mother. They, too, may acquire certain power and strength. Later the tzantza is mounted on a long pole made from the palm tree and they jeer at it. The strongest men of the clan threaten it with spears and insults. Finally they beat the tundui, sing together and dance around the tzantza with men on one side and women on the other. The women's chants are especially important in making the muisac flee from the tzantza.

During the whole fiesta-ceremony, the tzantza and the muisac within have been so humiliated and degraded, that out

of shame the <u>muisac</u> has had to flee to the victim's place of birth. At the end of the ceremony, the <u>trantza</u> offers no danger. It has no avenging soul, it has lost its value and must be thrown away, given away or sold.

#### f. Sickness and Death.

As mentioned earlier, it is inconceivable to the Jibaro that healthy, young people can die of natural causes. They consider such an event to be supernatural, the consequence of the evil power of ivishnius or uguishnius (witches, sorcerers, or healers) or of the iguanchis. It is very hard for Catholic or Protestant missionaries to convince the Jibaros and other natives of the Eastern Region that death is natural and that one does not have to wait to be murdered. Something similar occurs with illness. Jibaro think of it in two ways. What is really sickness as we know the meaning in the West, which they call sungura, is sickness due to spells and witchcraft. Also referred to as tunchi, this terms means arrow, or dart and it characterizes a mysterious entity, whether material or immaterial that the witchdoctor is able to shoot against his enemies. Consequently that is how any sickness caused by magic or witchcraft is categorized. Tunchi plays a very important and fundamental role in Jivaro pathology and therapeutics. Sickness manifest by a sudden, intense pain, edema, inflammation, and supuration are considered the result of arrows or tunchi shot by the witch or demons. Certain illnesses which involve fever or follow a regular course, or parasitic maladies, such as dysentery, are considered sungaras. Malaria, with its particular way of appearing and disappearing at intervals is also considered tunchi. Some diseases appeared only after the first contacts with the white man; the presence of the white man has generally been considered

a threat and a danger. The white man has been seen to be sent by the <u>iguanchi</u> or appear as the <u>iguanchi</u> himself, as well as a carrier of disease and evil. Karsten wrote that he was often asked "Sungara itaches?" which means "do you bring disease?"

#### 6. Jibaro medicine and ayahuasca.

It is easy to understand that for Jibaros and other traditional peoples disease is categorized as magical in origin; therefore, treatment of such diseases must also be magical. They use spells, witchcraft, suggestion and what could be called psychotherapy. In his difficult and dangerous position the religious practitioner must discover the cause of illness or who sent the tunchis, where they are located in the body and more importantly, how to remove them so that the body is free of the pathologic cause. The exorcism that these practitioners perform is based on their belief in this technique. When the sick individual does not possess enough of his own strength to fight the tunchi, the illness progresses and the shvar ivishniu must be summoned.

#### a. Cures

Minor cures can be accomplished during the day with little ceremony. More complicated cures for more serious afflictions are brought about in roughly the following way: beginning in the early hours of the day, the patient's family boils pieces of ayahuasca or natema along with yaji, until a reddish-brown liquid results. In another vessel, they prepare a potion of tsangu (tobacco). At the same time, the witchdoctor also prepares these drinks. It is important for him to fast. During the morning he is permitted to drink some nijamanchi (a beer made from yucca). So as not to interfere with the cure, he must avoid all

prohibited foods especially meat, or even its odor. For some cures, he must paint his face with the sap taken from the fruits of the plant sua (Genipa americana) which produces a black color. It also helps to increase his supernatural strength so the iguanchis will not be able to recognize him. At dusk, he comes to the hut of thepatient armed with his bag of namura and shinguishingu branches.

The curing ceremony begins with the ingestion of the tobacco water as a nasal snuff through his mouth. Then he invokes the spirit of tobacco, a divine plant believed to confer supernatural power on the witchdoctor. He calls upon the spirit of the tobacco (tsango maso mari) to possess him, and to help him perform the cure. The patient is placed on a cloth in the center of the house, or on a kind of bed or table made of guadua. In one sip the witchdoctor drinks the entire contents of natema. first sips usually produce vomiting, which is a part of the procedure since vomiting results in "purification" of the witchdoctor's body. Natema is the name of the plant and of the drink as well. The latter can be prepared not only by boiling pieces of the vine and its leaves but also by adding one or more psychotropic plants. Some of the potions contain methyl-triptamine derivatives that are not present in ayanuasca. Very rarely maicoa (Datura Brunfelsia sp.) is added. Usually the witchdoctor avoids drinking maicoa because of its toxic properties. The next step consists of chants, invocations and spells to call upon good spirits to help him remove tunchis from the afflicted organism. Traditionally he begins by chanting "I. I. (he states his name) in person call the spirits and cast spells upon the demons.." Later, in total darkness he begins the

exorcism. He must forcibly suck the skin of the afflicted part of the patient's body, in order to remove one or more tunchis according to how many of these arrows have been shot into the patient's body. He continues his chants and incantations in a ceremony that usually lasts all night.

At intervals, he must drink more tobacco water and gulps of natema. He seems to drink equal amounts of these two preparations until he enters the curing trance (nam bigma). Drug effects are very intense, so that the subject is overwhelmed by the fantastic images of the hallucinations which prevent him from answering questions. He adopts a very passive position.

The shaman no doubt experiences effects of ecstasy.

For this reason, he drinks the <u>natema</u> in smaller doses, so he may maintain some degree of rationality while still reaching the hallucinatory phase. It is possible that tobacco water helps to maintain the state of trance in which he performs his miraculous cures. This association between tobacco and ayahuasca or tobacco and other psychotropics like the <u>Daturas</u> or the <u>Anademanthera</u> is very common among American aborigines, even though there has been no contact between these peoples in all probability. The association of these substances has occurred independently among the tribes of the Caribbean, the Ecuadorian and Peruvian coast and the Amazon rain forest. Janiger and Dobkin de Rios have suggested that in the smoke condensates of the genus, <u>nicotiana</u>, hallucinogenic alkaloids harman and norharman are formed, which may explain some of this mystery.(1974).

The curing ceremony continues with a series of maneuvers, one of which is to pass leaves of shinguishingu over the afflicted

parts of the patient. The witchdoctor's helper may shake themabout the bed so they produce the swishing sound for which they are named. Or, he may massage the afflicted part of the body with stone talismans called namuras, which are the most distinguished of the shiny stones called caya-huincha. "Blowing is another common technique. The witch may blow the tobacco water or the tobacco smoke. All these operations facilitate the extraction of the tunchi. Finally at the climax of the ceremony, the ivishniu claims to have found and removed the tunchi or tunchis. Often these are splinters of chonta wood and can even be animal forms such as worms or insects.

Generally it is not enough that the witchdoctor declares that he has extracted the <u>tunchi</u>. He is obligated to show the <u>tunchi</u> to the patient and other members of his family. It is generally an object (like the one just mentioned) or it can be a frog, a scorpion, or other object that the witchdoctor did hide during the treatment. By presenting this object at an opportune moment, he effects a psychological impact on the patient and the family, adding to the effectiveness of the psychotherapy. In his hallucinations, the witchdoctor not only discovers the nature of the <u>tunchi</u>, but finds out who shot the arrow which caused the illness. He does this after he questions the patient and his family in a logical manner. At the request of the family, the witch may return the <u>tunchi</u> magically to the perpetrator of the original illness.

## b. Fees and risks in practicing magic professionally.

Practicing magic isn't free from professional risks, since there is no equivalent of malpractice insurance, as is available in the civilized world. If the patient dies and the family does not have faith in the practitioner, he may be suspected of

causing the death that he was hired to prevent. A family council may decide that the patient's death must be avenged. More than one witchdoctor has lost his life due to his professional short-comings.

In some cases, the curer will advise the family right away that the patient is gravely ill, that it may not be possible to remove the evil (tunchis) and that the patient may die. In this way, he releases himself from responsibility and additionally shows his wisdom. In other cases, such as when chronic illness is involved, (rheumatoid arthritis, for example) he orders the patient taken to the sacred waterfall. Here he implores the help of the good spirits of the Arutames. Later he makes the patient bathe in the miragle-performing water. The patient almost always feels relieved. The psychotherapy performed by the shaman, the invocation of spirits at such a sacred place and the bath all help to effect a temporary and perhaps a definite cure. Sometimes, the family is so satisfied by a spectacular cure (e.g., after a snakebite) that they dance and sing for joy. When the patient has been cured, the witchdoctor is entitled to collect tribute. In those tribes that still do not use money, the payment must be made in animals owned by the patient's family, food, a cloth, or a weaving, etc. Among the more acculturated tribe's witchdoctors, the payment may be made partly in kind, and part in cash. Sometimes, the fee is collected before the cure.

# c. The training of a new witchdoctor and ayahuasca.

Ayahuasca also plays an important role in the training and indoctrination of a new practitioner or "doctor". Among the Jibaros and other tribes, some members of the community are considered potential witchdoctors because of their physical strength, their intellectual powers, their moral character, their possession

of one or more arutames, or for their age and experience. Supernatural powers are attributed to them. Under the influence of ayahuasca, they can divine where to hunt or how best to attack enemies. The simple art of witchcraft does not require the systematic initiation and preparation required for sorcery.

The education of a new sorcerer, among the Jibaros, is a very long and delicate process, not without its risks and difficulties. Commonly the witchdoctor educates his own son or nephew. A young initiate not related to a sorcerer will consult an elderly practitioner about his ability and training. He may also consult his father in the matter. The master decides if he is fit or if he has no aptitude. If he is pronounced fit to start his education, they begin with a ceremony held in the forest. The elder gives instructions on how to drink tobacco water and natema. The culmination of the initiation ceremony consists of the transference of tunchi, in a consecrated manner. The master and the initiate enter spiritual communication mouth to mouth, when the master passes a chonta splinter to the mouth of the initiate, carrying his saliva and tobacco. This transfers part of his magic power and a kind of tunchi seed. Once the seed has been planted and grows to maturity within the initiate, he can begin to exercise his supernatural powers.

From this point on, until his "graduation," the apprentice passes a critical phase. He must observe a strict diet and eliminate most meats. Especially during the first five days of his novitiate, he is permitted to eat only plantains and drink only water and natema, which allows him to begin his contact with the gods and demons. During the following period, which lasts from six

to twelve months, or even as long as two years, he must avoid food and meat that make the tunchi flee or change into a poison which will kill him. He must eat foods that are beneficial to his profession—for example, the meat of a certain monkey called <u>tsiri</u>. In this way, certain substances are incorporated into their diet which give them resistance or even develop their tolerance against wasp's poison. During the entire period of their training, they must observe strict celibacy and are not permitted to remain in a hut where there are single women present. Their food can only be prepared by youths who have not yet had sexual relations.

During the long period of education, the student receives instruction from the elder witchdoctor in the rich Jibaro mythology. He must learn the most powerful spirits and demons controlling good and evil and the chants and invocations necessary to recite to cure the sick. Under the influence of natema, the apprentice learns to see and recognize gods and demons and acquire some of their power. He must learn to cast evil spells against enemies and to free members of his own tribe from them. Although there may be other witchdoctors in the tribe who can divine and cast spells, the witchdoctor is often one of the most important members of the clan. The apprentice must also learn the arts of war, fishing and hunting. This meticulous education will make the future sorcerer not only a doctor, but also a wise man of the tribe, a source of knowledge, traditions, and mythology.

His future role in the tribe as a wise man and a protector enables him to cast evil spells on his enemy as well as cure the members of his own tribe. To cast spells, he must learn to blow or a shoot the tunchi in the same way the hunter uses the blowgun to shoot the poison dart. He must learn to recognize animals

like the armadillo, whose mere presence can injure him. He must hold his breath and spit in order to prevent contamination. The initiate continues to pay strict attention to diet and lead an almost ascetic life during his training, so that the tunchi may mature. If it is not allowed to mature, he cannot receive magic power and the tunchi will poison him.

when a disciple has shown his aptitude for divining, shooting tunchis, bewitching and curing, then he is ready to graduate. The ceremony is performed frequently at the sacred waterfall, with only the master present, or sometimes a few other members of the community. The initiate must bathe in the pure water and drink natema and tobacco water to acquire his new and permanent contact with the spirits. Now he is armed with guambachi and his own namuras whose powers he gained in hallucinations. Now he may practice his powerful but risky profession.

#### 7. Treatment in other tribes.

General ideas and myths on the pathology and cure of illness are similar among Amerindian tribes as well as those Indians who have been subject to the process of acculturation for 400 years (see Mena 1969). Among various Ecuadorian Amazon tribes, the curing ceremony or exorcism is similar to the Jibaro ceremony previously described. It may differ in certain aspects as far as which plants are used. Almost always, the witchdoctor uses plants that produce hallucinatory trance. In the majority of cases ayahuasca is used, while in others chamico (Datura tatula) or huantug (Datura sanguinea) is the preferred substance.

Among quichua speaking Indians, the witchdoctor is called yachag, and that word means the one who cures evil. He also divines. In the province of Imbabura, yachag taita jatum urcum rimador is

the term used to refer to a doctor who possesses knowledge of the ancestors. He is much esteemed and exerts a great moral influence over the people. He is able to cure, counsel domestic problems and to divine the person who stole from his client. His divinatory powers are renown both among Indians and Mestizo populations.

Within Western legal codes, the activities of the sorcerer are outlawed. The term witchdoctor has a derogatory meaning. Yet, the <u>yachag</u> enjoys great respect and esteem among Indians, Mestizos and urban populations in general. Occasionally, a desperate non-Indian will seek the help of a sorcerer as a last resort. Several have gained prestige spreading far beyond their own village or even beyond the provincial boundaries. Curing rituals are similar whether hallucinogens are used or not, whether the witchdoctor uses the plants alone, or offers it to the patient and his family. Mechniques used in cures are often "rubbing" cleaning and exorcism, which sometimes vary. For example, the Colorado witchdoctor often puts his foot upon the afflicted part of the patient.

Quechua witchdoctors almost always have an assistant or apprentice. He may be the son of the maestro. He acts as a person who in the quechua term used, means "who throws out the garbage. By extension, the term means that he disposes of the evil or the spell. Certain tools or materials used in the exorcism to draw out the evil, such as herbs, animals or objects must be disposed of, and are thrown in a creek or discarded in a place where they cannot harm others. This chore, dangerous as it is,

is the duty of the assistant. Almost all witchdoctors blow smoke at the patient. A drink like cane rum or aguardiente and tobacco are indispensible, not for pleasure but for cleaning the mouth and for prophylactic purposes.

Among the majority of tribal groups, some disease etiology is due to visible or "natural" causes. In Imbabura Province, a particular illness type is known, called "evil horse" and must be treated by the <u>yachag</u>. The second, of Catholic influence, is called "evil of God" or sickness of God, which can either be treated by the yachag or a medical doctor. For the second group of illnesses the <u>yachag</u> will use his herbal knowledge. This includes infectious diseases, gestroenteritis and other painful afflictions. Sometimes he may use purchased pharmaceuticals like antibiotics and chemotherapeutical agents.

## 8. Ayahuasca use among the Cofan Indians.

The peaceful Cofan tribe located in the northern part of the Ecuadorian Oriente province between the Colombian Guamues River and the San Miguel River, participate in several yage ceremonies. This group is particularly localized along the Durero River, near the Aguarico River to the south. They call themselves a'ingay and their language a'i. In the Cofan language, Banisteriopsis is called yage or yaje. Pinkley (1969) and Robinson (1969) have described their drug ceremonies.

## a. The yage ceremony

Since 1912 when the Capuchin Order penetrated the Cofan territory, the tribe received missionary influences from many sects and denominations. Nonetheless, they still preserve

many of their traditions and customs which are partially mixed with new religious ideas assimilated from Christianity. The yage ceremonies are probably still performed much as they were centuries ago. Most likely, they have lost some of the orthodoxy of earlier rites. They are no longer performed exclusively in the yage house but alos held in the witchdoctor's house on occasion. He is called pende as well as priest (curaca). The so-called house of yage (yage chao or yage tsao) is a relatively large structure situated some distance away from the village, or even across the river, according to certain taboos. On the day before the ceremony, the pende usually goes into the jungle to gather the necessary quantity of vine. Sometimes these practitioners cultivate the plants themselves, but they prefer the wild yage. The vine is cut into many pieces which measure 20-30 cm. The amount gathered depends on the number of participants in the ceremony. The next day the drink is prepared, with one or more adults in charge of the task. Generally, the preparation is made at the house of yage. The ayahuasca is placed in an adequate vessel and allowed to boil for eight to ten hours. The liquid diminishes bit by bit, until a reddish extract with an intensely bitter taste emerges. The Cofans take great care in preparing yage, which is much like fixing a fine coctail. They are very proud of their knowledge of potentiating the plant's energy and power so that the ceremonial hallucinations will be successful.

The day of the ceremony is considered to be extraordinarily important—a kind of sacred day. Many rules are
followed; until recently, women were not permitted to fetch the
water from the river. At present, they are allowed to do so in
the morning. If the yage has not been prepared at the actual

site of the ceremony, then there are certain rules for its transport. The trail must not be crossed by a woman. The drink must be brought to the house in a round-about trail, to prevent crossing the blemished one. The house where the ceremony will take place ...must not be entered by the front door, but by a side door or window. Each individual must prepare himself mentally and physically for his participation in the ceremony. He must adorn himself with large colorful feathers which is placed behind the nose and ears, pierced during infancy. Faces and bodies are painted and all dress in their finest. Many ceremonies are staged so that individuals reach a common decision or inspiration after having contacted "divine spirits" or the people in heaven (oporitos). Women may take part in the ceremony but they are not obligated to drink the yage, as are all of the men. For women, hallucinogens are taboo not only in this tribal group but in most of the others in the Ecuadorian Amazon, who use hallucinogens. It is possible that the ancestry of this taboo is related to some of the effects of most of the hallucinogenic alkaloids on the female reproductive system, although in acculturated urban settings of ayahuasca use, this taboo has fallen into disuse. Perhaps these compounds may produce abortion or premature birth in pregnant women, and decrease of menstrual discharge if used during menstruation. Pharmacologic studies have demonstrated that hallucinogenic alkaloids produce several effects on those organs rich in smooth muscle. including oxytocic effects, i.e., contraction of the uterus. The effects on the smooth muscle explain why frequently the participants in psychedelic ceremonies purge their gastrointestinal tract by nausea and diarrhea.

The Cofan ceremony takes place at night and the

participants arrive around seven. Contrary to the Tucano tribe's ceremony, silence is exacted. Individuals gather, each one assumes a place on a hammock and they converse quietly. The ritual is not always the same among the various Cofan groups. They pass the drink around, starting at 8:00 P.M. or 9:00 P.M., until midnight. All the while, they converse softly about various happenings or the purpose of the ceremony, which they often hope to facilitate reaching a collective decision about some urgent matter. The precious jug of yage has its special place in the house and various vessell of burning incense are placed about.

The incense is believed to repel the jaguar, who represents the evil spirit or the devil.

# b. The spirit of yage.

At the appropriate hour, the curaca occupies his ceremonial seat and begins a long incantation beginning with the word yage, yage. His monotonous chant is accompanied by the intermittent shaking of a branch of leaves with his right hand. Then he begins to bless each cup of yage. Besides the invocations, he must blow tobacco smoke over each cup before it is drunk. After drinking the yage, each participant rinses his mouth with water which he may swallow. Alcoholic beverages are not used but cigarettes or cigars, made from home-grown tobacco which are rolled in banana leaf are permitted. Some vomit after the first cup of yage, while diarrhea is frequent after the second cup.

A new phase of the ceremony begins as the curaca begins to enter his trance. He feels the spirit of yage and sees the <u>oporitos</u>. Those who have alos seen the <u>oporitos</u> follow his chants. They experience the presence of supernatural powers and feel like the curaca, transported to a supernatural

world. If the ceremony precedes a hunting expedition, the pende calls the beasts of prey to find the best places in the jungle for the hunt. The curacas form a line, and make steps forward and backwards as they continue their chants. The rest of the participants watch passively. By the chants and invocations of the curaca, they enter the hallucinatory phase and "see" the things they should observe.

In other groups, the ceremony is more silent and tranquil. They drink in turn, converse in soft voices and sink little by little into a fantastic world of multicolored hallucinations. During the ceremony, they almost always drink three times, during twenty to forty minute intervals. Due to the high concentration of the drink, this quantity is enough to maintain hallucinations all night. If the potion is not very strong, only a few manage to obtain hallucinations. They appear in the morning in a state of stupor. When the ceremony has ended on the morning of the following day, they gather up their hammocks and other possessions and calmly walk back to their huts. Some feel hung over (called chuchaqui in Quechua and guayabo in Spanish), and proceed to drink yoco (Paulhinia sp.) which is rich in caffeine.

Yage ceremonies are very frequent among the Cofan. They have about one ceremony a week, and although everyone is not required to attend, the witchdoctor must. Usually, the drink is prepared only with the vine <a href="Banisteriopsis caapi">Banisteriopsis caapi</a>, but other plants are added to accompany it. These are called <a href="Oco yage">Oco yage</a>. The potions prepared with <a href="Oco yage">Oco yage</a> are of better quality, producing more intense visions and richly colored hallucinations.

It is thought that this mixture does not fatigue the drinker

like pure yage. Schultes (1970) has identified the use of oco yage or chagro-panga among other tribes, as Banisteriopsis rusbayana. Marderosian et al. (1968) have confirmed that the oco yage of the Cofan is also B. rusbayana. The leaves of this plant do not contain the alkaloid harmine, but N,N-dimethyltriptamine. Among the Cofan and probably also among the Sibundoya who live farther to the northwest, the drinking of yage occurs at an early age. At five or six years of age, children begin to take small amounts of yage under the instruction of adults. By adolescence, they take a full role in the yage ceremony.

Besides its function in magic and religious ceremonies, the drink is used among the majority of Amazonian tribes for medical purposes. The Cofan have a similar belief system concerning illness and death as do the Jibaros. Many diseases are produced by those mysterious arrows that the Cofan call sejecos. The healer must discover the location of the sejecos inside the patient's body, draw them to the concentration at one point in the body and remove them by exorcism. The curaca performs this under the influence of yage.

## Other Ecuadorian Tribal Uses of Ayahuasca.

# a. The Coastal region.

In the northern coast, we find two small, surviving trbies, the Gayapas and the Colorados. The Gayapas (from caya or calla = ice) extend to mean white, and chim=skin, are light skinned as opposed to the Colorados who dye their skin red. In their own language, they call themselves chaccila, or chacchis, shortened to chachis (the name comes from tsac or chac=white, and chim=skin, with the suffix la denoting plural.

Again, this name confirms the reference to white skin. The Cayapas are found in northwestern Ecuador, along the Cayapa River and the tributaries of the Esmeraldas River, in the region of Mufsac. The Cayapas call ayahuasca pinde, a phytonym derived from pi = water, meaning magic or divine water. They prepare the hallucinatory extract from pinde. At present, only the witchdoctor or sorcerer named ambuda, can drink it to enter a trance to diagnose and treat patients. The word pinde has been changed by many groups, especially Blacks in Ecuador who call it pilde.

In spite of the long period of acculturation, the Cayapas still maintain their own tribal organization and preserve many of the myths and beliefs concerning magic. They have accepted Christianity whose rituals they have intermixed with their own ancient magic.

The Colorados owe their name to the red appearance of their hair and skin. They paint themselves with a paste made of the red seed of achiote (Bixa orellana). The men apply the oily paste to their hair which makes it look like a red helmet. Both men and women paint transversal red stripes on their faces, torsos, and limbs. They also call themselves chagchis due to the influence of their neighbors, the Cayapas. Previously they called themselves campas or cagpas (from cam=yellow, or cag=red, and pas = skin) which characterizes their ornamentation with the red achiote paint.

The Colorados call ayahuasca nepi. Pi also means water in their language and the word nepi may mean the same as it does in the Barbacoa-Chibcha language family. There has been a constant process of separation for the past 500 years, so that now they are different languages, although some vocabulary remains the same. Nepi is not commonly used at present among the Colorados for religious ceremonies or collective rituals. Occasionally the adults will privately drink it. But the

witchdoctor (called <u>bulu</u>) uses it in curing, which is by no means limited to members of the tribe exclusively. People come from as far away as Quito and other places for treatment.

Usually an ayahuasca curing session is held on Saturday night.

In addition to the healer, sometimes the patient and even his companions may be given ayahuasca to allow them to enter trance.

All of the participants, including the patient, can see how the brujo exorcises the disease-causing body, whether it is an organism, a dart, an arrow, vermin, or poison. Aboriginal tradition holds Colorado witchdoctors in the highest category.

#### b. In the Highlands

The largest Indian population is found in the InterAndean regions, especially small villages and communities located
at more than 3,000 meters above sea level. Many years of contact
with the Whites have produced a wide spectrum of blood mixtures
or Mestizo culture. This process, however, has been a slow one
permitting to some degree a preservation of ancient mythology,
beliefs and customs, despite their acceptance of Catholicism. Most
are bilingual, speaking the various dialects of quechua and a
very elementary Spanish. Some Indians, like the Otavaleños, have
developed a textile industry and for business purposes, some have
even learned English.

Among the Indians of the Highlands, only the witchdoctors use ayahuasca or other hallucinogens. Their religious ceremonies mix Catholic ritual and their ancient rituals, but do not require the use of hallucinogens. However, they have festivities in which they drink corn chicha (beer) and cane liquor until they pass out from inebriation. Women are obliged to care for the men so they do not drink too much.

The Highland Indians also recognize two types of illness: natural causes (infection) and that caused by evil or spell-casting. They seem more aften to consult medical doctors who are provided by missionaries or the government. But, when the White man's doctor or his medicine fails, they continue to seek out the witchdoctor, who has an ever-continuing important social role. He uses ayahuasca and some psychotropic Solanaceus plants, such as chamico and huantug (see Mena 1969).

#### c. In the Eastern Region

In the Province of Oriente, we find the Jibaros to the southeast and the Cofans to the northeast, both of whom we have already discussed. The second most numerous group after the Jibaro consists of Quicha speakers, who use three or more dialects according to the region. The names of the three tribes or clans generally refer to their geographic location. The widest denominations of these Quichua speakers are the Yumbos, Aldamas or Quichuas. The people who live along the Napo and Bobonanza Rivers are known as Canelos and those along the Quijos River are Quijos, etc. In a recent investigation, Costales et al. (1969) found twenty seven yumbo sites along the Napo River and its tributaries, especially the Coca River. This encompasses a population of 3,000 which is 90% of the aboriginal population of the area. Other clans are the Cushmas, the Teetetes, and the Aucas. Cushma is a Quichua word and refers to the long ponchos or tunics the people wear. The principal Cushma groups are the Secoyas along the Cuyabeno, Eno and Shushufinde Rivers; The Sionas along the San Miguel River and the Cofan between the Guamues and Aguarico Rivers.

Linguistically the Sionas, the Secoya and the Angoteros

form a group of three dialects of Western Tucano, which are mutually intelligible. Teetete also is of Tucano origin, but is different from the others. The Cofan, the Aucas and the Jibaro speak completely different languages. The Ashuara or achuara are a small very isolated group, speaking a Jibaroan or Shuara dialect.

The mythology, religious ideals, tribal ceremonies, etc. of the Yumbos or Aldamas are very similar to those of the Jibaro. The Yumbos believe in various spirit forces. Certain mountains are sacred, like Mt. Zumaco, which has a totemic character. The ancestral spirits and the souls of loved ones live there. There are certain waterfalls and lagoons, like the Ananga that have a sacred character, since totemic animals like boas and jaguars also reside there.

As with the Jibaro, they also believe in the transmigration of souls—in the transformation of some spirits or souls into demons (supay). One of the more common demons is Sacha Runa, meaning false man. He is a kind of goblin, along the lines of the Western prototype. He is a little man with lots of long black hair. He dresses in pants, shirt and hat and lives in big trees called llahuanga or samona. The Ymbos are afraid to walk alone in the jungle since they might meet Sacha Runa. He can trick them into following them into the forest where he turns them into a dwarf just like himself.

The boa or anaconda is a creature that appears in the mythology of all the aboriginal groups of the Amazon basin. The Yumbos have a myth similar to the Greeks about the Sirens. At the bottom of the rivers there are very beautiful women who appear to men who are going along the river alone, especially the Napo.

But these Sirens are really boas or anacondas who bewitch them and fill their heads with love. Those men who have had this vision can only be cured by the yachags. Usually the treatment means they must drink ayahuasca to free them from the overpowering love of the Sirens.

Another myth about the boa or anaconda is related to the rainbow (quichi). According to various versions, it is the tongue of the boa or two boas wrapped around each other, a male and a female. The male causes evil and the female causes good. Ayahuasca is used only occasionally among the Canelos and Yumbos in communal ceremonies to find out where the best hunting is found. The ceremony is similar to the Cofan ceremony where the witchdoctor drinks ayahuasca to call upon the spirits and the boars (huangana). The boar is the most desired animal they hunt. The plant and the potion as well are called panga huasca. The Yumbos or Aldamas recognize two kinds of illnesses: witchcraft caused by the chonta palo (equivalent to the tunchis of the Jibaro) and natural causes. Even though the yachag has lost much of his importance through acculturation, he continues to be socially useful and of the highest moral importance within the group. There are two types of witchdoctors. The yachag uses ayahuasca regularly. He distinguishes three varieties: cielo-huasca, sandurco-huasca, and tonchin-huasca. One is to see heaven and the good protector spirits; another is to see the totemic mountains and their spirits; and still another to remove the chonta palos which cause disease. Exorcism is a common practice for the diseases caused by evil. The yachag feels possessed by the spirit of avahuasca and proceeds to suck the afflicted part of the patient, where the chonta palos are. He may suck as many as

ten times, at various intervals with his chants and invocations filling the curing ceremony. Karsten (1947), Simson (1947) and Costales (1969) are the most important sources for this area.

The language of the Secoyas is called pai. They also call ayahuasca yage. Their ceremony is very similar to that of the Cofans. Women can attend the ceremony and all are supposed to drink the yage. No one is permitted as a mere spectator. Even though so permitted, women seldom attend.

The yage is usually boiled with the cuttings and leaves of another plant (yet to be identified ) which probably contains harmine. In treating illness, they also use a solanaceae, possibly Brunsfelsia, which they call tegi. The medical duties of the shaman or the witchdoctor are similar to those described in other groups. The Aucas are small nomadic clans found between the Tihuano and Tiputini Rivers. They are bound on the north by the Quichuas and on the south by the Jibaros. Auca is a Quichua word meaning fighter, warrior or a savage man. The Aucas have gained fame for their untamable spirit and their aggressiveness. At various times they have assassinated Christian missionaries who have tried to establish contact in order to convert them. They call themselves Huaranis and speak the Huaddani language, in which ayahuasca is called mii.

The ferocity and aggressiveness of the Aucas can be explained possibly by an old and well preserved tradition. For many years, the story has been passed on since the Aucas were taken over by a group of man-eaters. At each festival, they ate several aucas. This continued for so many years that the tribe was on the verge of disappearing. One night they were able to escape and they remained free of their captors. Since that

time they regard any stranger as members of the same tribe of man eaters, whose only reason for making friends of the strangers is to deceive the Aucas into submission and to eat them. The Aucas also use ayahuasca communally for religious ceremonies. The witchdoctor uses it in his professional practice. It is also used as a poison mixed with the chicha of yucca, to produce the death of their enemies by killing them during the narcotic trance. Conclusion

Ayahuasca has played a decisive role in many aspects of Ecuadorian Amazon cultures. The plant has been involved in the origin and preservation of certain myths and religious ideas, as well as contributing in large part to the beliefs and practices of medicine. In summary, today in Ecuador, however much lesser in extent than before, we see that ayahuasca is used by the aborigines of the coastal lowlands and particularly in the Amazon Basin. Regardless of the various levels of acculturation involved among diverse groups, the plant is still commonly used. In the inter-Andean area, the use of ayahuasca has been more limited, even in the traditional practices of medicine. In the highlands, we find other hallucinogens in use, especially the Datura plants of the Solanacea family.

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#### Addendum

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