Ayahuasca and Human Destiny

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Abstract—In this essay, the author shares his personal reflections gleaned from a lifetime of research with ayahuasca, and speculates on the societal, political, planetary, and evolutionary implications of humanity’s aeons-old symbiosis with this shamanic plant. The thesis is developed that at this critical historical juncture, ayahuasca has developed a strategy to broadcast its message to a wider world—a reflection of the urgent need to avert global ecological catastrophe. While ayahuasca has much to teach us, the critical question is, will humanity hear it, and heed it, in time?

Keywords—Amazon, ayahuasca, religion, shamanic

My good friend and colleague, Dr. Charles Grob, has extended a kind invitation to submit a contribution to this special edition of the Journal of Psychoactive Drugs devoted to the topic of ayahuasca, for which he has been selected as guest editor. I’m pleased to be asked and happy to respond, particularly since I have collaborated for many years with Dr. Grob and other colleagues who are represented here on various aspects of the scientific study of ayahuasca. For most of the last 33 years, ayahuasca has been one of the most preoccupations of my life. In that time, I have written extensively on the botany, chemistry, and pharmacology of ayahuasca, its potential therapeutic uses, and on the need for more, and more rigorous, scientific and clinical investigations of this remarkable plant decoction. Working with colleagues such as Dr. Grob, my good friends Jace Callaway and Dr. Luis Eduardo Luna in Finland, my mentor Dr. Neil Towers, my late and beloved brother Terence, Dr. Glaucus de Souza Brito, and others to investigate the myriad mysteries of ayahuasca has been as rich and rewarding an experience as any scientist could ever hope for. Partly as a result of these collective efforts, over the last few decades ayahuasca has become one of the most thoroughly studied of the traditional shamanic plant hallucinogens. We now have a firm understanding of the plant species that are utilized in its preparation, including the diverse pharmacopoeia of ayahuasca admixture plants, a shamanic technology unto itself that begs additional investigation. We understand the chemistry of the active constituents of its primary botanical components, and have better insight into its remarkable synergistic pharmacology. We have identified potential therapeutic applications for ayahuasca and the role that it may some day find in healing the physical and spiritual wounds of individuals, if it is ever afforded its rightful place in medical practice. Ethnographically, my colleagues and I have made contributions to an understanding of the central role that ayahuasca already has in the context of Amazonian shamanism and ethnomedicine, and have described and written about its status as a window into the sacred cosmology of magic, witchcraft, transcendent experience, and healing that permeates and defines the practices of mestizo ethnomedicine. The visionary paintings of Peruvian shaman and artist Pablo Amaringo, brought so beautifully to the attention of the world by Dr. Luis Eduardo Luna, has helped to make that tradition accessible to many who would otherwise have seen it (if they were aware of it at all) as alien, exotic, and incomprehensible. To an extent, the work that my colleagues and I have done has shed some small light on the more contemporary role of ayahuasca as the sacramental vehicle of syncretic religious movements that

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originated in Brasil and now are reaching out globally, if incrementally, to embrace a sick and wounded world that desperately yearns for the healing that this mind/body/spirit medicine can offer.

The story of ayahuasca, and our evolving understanding of its place in the world, and of its significance for medicine, pharmacology, ethnobotany, and shamanic studies, is far from over, and in fact, it may have just begun. I would like to believe that is the case. But for the purposes of this contribution, rather than submit yet another dense and lengthy review on the botany, chemistry, pharmacology, etc., of ayahuasca, I have chosen to adopt a broader perspective, and to indulge in some reflections and speculations on the past and future of ayahuasca of the sort that a scientist, probably mercifully, rarely shares with his colleagues or the larger world. To those readers who may wish for my more usual nuts-and-bolts approach to the subject, I call attention to my recent review in the journal *Pharmacology and Therapeutics* (McKenna 2004). In addition, a complete list of all of "my" publications on ayahuasca is appended to the end of this article; and I use the term "my" advisedly because these publications represent the work and creativity of many people with whom I’ve been privileged to collaborate over the years. These works would not exist without them.

On a personal level, ayahuasca has been for me both a scientific and professional continuing carrot and a plant teacher and guide of incomparable wisdom, compassion, and intelligence. My earliest encounters with ayahuasca were experiential; only later did it become an object of scientific curiosity, sparked in part by a desire to understand the mechanism, the machineries, that might underlie the profound experiences that it elicited. To a young man just getting started in the field of ethnopharmacology, ayahuasca seemed more than worthy of a lifetime of scientific study; and so it has proven to be. Pursuing an understanding of ayahuasca has led to many exotic places that I would never have visited otherwise, from the jungles of the Amazon Basin to the laboratory complexes of the National Institute of Mental Health and Stanford University; it has led to the formation of warm friendships and fruitful collaborations with many colleagues who have shared my curiosity about the mysteries of this curious plant complex. These collaborations, and more importantly, these friendships, continue, as does the quest for understanding. Though there have been detours along the way, always, and inevitably, they have led back to the central quest. Often, after the fact, I have seen how those apparent detours were not so far off the path after all, as they supplied some insight, some skill, or some experience that in hindsight proved necessary to the furtherance of the quest.

Just as ayahuasca has been for me personally something of a Holy Grail, as it has been for many others, I have the intuition that it may have a similar role with respect to our entire species. Anyone who is personally experienced with ayahuasca is aware that it has much to teach us; there is incredible wisdom and intelligence there. To my mind, one of the most profound and humbling lessons that ayahuasca teaches—one that we thick-headed humans have the hardest time grasping—is the realization that "you monkeys only think you’re running things." Though I state it humorously, here and in other talks and writings, it is nonetheless a profound insight on which may depend the very survival of our species, and our planet. Humans are good at nothing if not hubris, arrogance, and self-delusion. We assume that we dominate nature; that we are somehow separate from, and superior to, nature, even as we set about busily undermining and wrecking the very homeostatic global mechanisms that have kept our earth stable and hospitable to life for the last four and a half billion years. We devastate the rainforests of the world; we are responsible for the greatest loss of habitat and the greatest decimation of species since the asteroid impacts of the Permain-Triasic boundary, 250 million years ago; we rip the guts out of the earth and burn them, spewing toxic chemicals into the atmosphere; at the same time we slash and burn the woody forests that may be the only hope for sequestration of the carbon dioxide that is rapidly building to dangerous and possibly uncontrollable levels. For the first time in the history of our species, and indeed of our planet, we are forced to confront the possibility that thoughtless and unsustainable human activity may be posing a real threat to our species’ survival, and possibly the survival of all life on the planet.

Suddenly, and literally, "out of the Amazon," one of the most impacted parts of our wounded planet, ayahuasca emerges as an emissary of trans-species sentience, to bring this lesson: You monkeys only *think* you’re running things.

In a wider sense, the import of this lesson is that we need to wake up to what is happening to us and to the planet. We need to get with the program, people. We have become spiritually bereft and have been seduced by the delusion that we are somehow important in the scheme of things. We are not. Our spiritual institutions have devolved into hollow shells, perverted to the agendas of rapacious governments and fanatic fundamentalisms, no longer capable of providing balm to the wounded spirit of our species; and as the world goes up in flames we bummb ourselves with consumerism and mindless entertainment, the decadent distractions of gadgets and gewgaws, the frantic but ultimatelymeaningless pursuits of a civilization that has lost its compass. At this cusp in human history, there emerges a gentle emissary, the conduit to a body of profoundly ancient genetic and evolutionary wisdom that has long abided in the cosmologies of the indigenous peoples of the Amazon who have guarded and protected this knowledge for millennia, who learned long ago that the human role is not to be the master of nature, but its stewards. Our
destiny, if we are to survive, is to nurture nature and to
learn from it how to nurture ourselves and our fellow
beings. This is the lesson that we can learn from ayahuasca,
if only we pay attention.

I find it both ironic and hopeful that within the last
150 years, and particularly in the last half of the twentieth
century, ayahuasca has begun to assert its presence into
human awareness on a global scale. For millennia it was
known only to indigenous peoples who have long since
understood and integrated what it has to teach us. In the
nineteenth century it first came to the attention of a wider
world as an object of curiosity in the reports of Richard
Spruce and other intrepid explorers of the primordial
rainforests of South America; in the mid-twentieth century
Schultes and others continued to explore this discovery and
began to focus the lens of science on the specifics of its
botany, chemistry, and pharmacology (while necessary, this
narrow scrutiny perhaps overlooked some of the larger
implications of this ancient symbiosis with humanity). At
the same time, ayahuasca escaped from its indigenous habi-
tat and made its influence felt among certain nonindigenous
people, representatives of “greater” civilization. To these
few men and women, ayahuasca provided revelations, and
they in turn responded (in the way that humans so often do
when confronted with a profound mystery) by founding
religious sects with a messianic mission—in this case, a
mission of hope, a message to the rest of the world that
despite its simplicity was far ahead of its time: that we must
learn to become the stewards of nature, and by fostering,
encouraging, and sustaining the fecundity and diversity of
nature, by celebrating and honoring our place as biological
beings, as part of the web of life, we may learn to become
nurturers of each other. This is a message quite different,
and quite an anathema, to the anti-biological obsessions of
most of the major world “religions” with their preoccupa-
tion with death and suffering and their insistence on the
suppression of all spontaneity and joy.

Such a message is perceived as a great threat by en-
trenched religious and political power structures, and
indeed, it is. It is a threat to the continued rape of nature
and oppression of peoples that is the foundation of their
power. Evidence that they understand this threat and take
it seriously is reflected by the unstinting and brutal efforts
that “civilized” ecclesiastical, judicial, and political author-
ties have made to prohibit, demonize, and exterminate the
shamanic use of ayahuasca and other sacred plants ever
since the Inquisition and even earlier.

But the story is not yet over. Within the last 30 years,
ayahuasca, clever little plant intelligence that it is, has es-
caped from its ancestral home in the Amazon and has found
haven in other parts of the world. With the assistance of
human helpers who heard the message and heeded it,
ayahuasca sent its tendrils forth to encircle the world. It
has found new homes, and new friends, in nearly every
part of the world where temperatures are warm and where
the ancient connections to plant-spirit still thrive, from the
islands of Hawaii to the rainforests of South Africa, from
gardens in Florida to greenhouses in Japan. The forces of
death and dominance have been outwittled; it has escaped
them, outrun them. There is now no way that ayahuasca
can ever be eliminated from the earth, short of toxifying
the entire planet (which, unfortunately, the death culture is
working assiduously to accomplish). Even if the Amazon
itself is leveled for cattle pasture or burned for charcoal,
ayahuasca, at least, will survive and will continue to en-
gage in its dialog with humanity. Encouragingly, more and
more people are listening.

It may be too late. I have no illusions about this. Given
that the curtain is now being rung down on the drunken
misadventure that we call human history, the death culture
will inevitably become even more brutal and insane, flail-
ing ever more violently as it sinks beneath the quicksands
of time. Indeed, it is already happening; all you have to do
is turn on the nightly news. Will ayahuasca survive? I have
no doubt that ayahuasca will survive on this planet as long
as the planet remains able to sustain life. The human time
frame is measured in years, sometimes centuries, rarely, in
millennia. Mere blinks when measured against the evolu-
tional time scales of planetary life, the scale on which
ayahuasca wields its influence. It will be here long after
the governments, religions, and political power structures
that seem today so permanent and so menacing have dis-
solved into dust. It will be here long after our ephemeral
species has been reduced to anomalous sediment in the fos-
sil record. The real question is, will we be here long enough
to hear its message, to integrate what it is trying to tell us,
and to change in response, before it is too late? Ayahuasca
has the same message for us now that it has always had,
since the beginning of its symbiotic relationship with hu-
nanity. Are we willing to listen? Only time will tell.

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