Daudin's Monitor (*Varanus ornatus*, Daudin 1803) and its association with Ubani (Bonny Island), Southern Nigeria

MARK K. BAYLESS\(^1\), GODFREY C. AKANI\(^2\), and LUCA LUISELLI\(^3\)

\(^1\)1406 Holly Street, Berkeley, California 94703 U.S.A. Email: mkbVa1802@aol.com [author for correspondence]

\(^2\)Department of Biological Sciences, Rivers State University of Science and Technology, P.M.B. 5080, Port Harcourt, Rivers State, Nigeria

\(^3\)F.I.Z.V. and Environmental Studies Centre ‘Demetra’, via Olona 7, I-00198, Roma, Italy

DAUDIN'S Monitor (*Varanus ornatus*) is indigenous to the coastal mangrove and deltaic swamp forests of West and Central Africa (Bayless, 1997; Angelici & Luiselli, 1999; Luiselli et al., 1999; Akani & Luiselli, 2000; Bayless & Luiselli, 2000). Traditionally considered as a simple subspecies of the Nile Monitor (*Varanus niloticus*), Daudin's Monitor has been recently elevated to full specific rank (Mune & Ziegler, 1997). In anticipation of definitive analyses on the *V. niloticus* species complex, our intention in this paper is to follow the nomenclature given in 1997 by Böhme and Ziegler.

In the past, *V. ornatus* enjoyed a considerable range across West Africa, as habitat partition seems not to have occurred at that time to the degree that it does today (Bayless, 1997). Currently in southern Nigeria, *V. ornatus* is prized for its meat and skin (Akani & Luiselli, 2000), and is thus vulnerable at the local level (Politano, 1998), yet this has not always been the case. Some two hundred years ago, in the delta region of the Niger River, on the Island of Bonny (more precisely at Ubani), *V. ornatus* and humans appear to have co-existed in a non-aggressive fashion. In this note we report briefly on the cultural interactions between local people and monitor lizards at Bonny, and attempt to draw parallels between the previous situation and that occurring today in the same area.

THE STUDY AREA

Today, Bonny Island has become one of the most important ports and commercial zones of southern Nigeria as a result of the enormous industrial activity which links it closely to the extraction of oil and to the production of derivatives such as petroleum, natural gas, etc (De Montclos, 1994). A highly developed and large town, with several satellite suburbs, Bonny has developed in an otherwise environmentally important area where coastal barrier forests and large mangrove formations are also to be found (Politano, 1998). Bonny Town, one of the most southerly centres in Nigeria, is located at the mouth of the Bonny estuary which empties into the Bight of Bonny (formerly the Bight of Biafra). The area is richly endowed with abundant natural resources, including petroleum, fish and fisheries, wildlife, as well as mangrove and freshwater forest resources. The extraction and processing of oil and its derivatives has in recent times attracted various companies and ancillary industries. Consequently, the town is becoming rapidly urbanised and the hub of activities for many firms and other enterprises. Bonny's strategic position along the coast makes it an important port of call for many ocean-liners. Indeed, the dredging of the estuary a few decades ago has turned Bonny into a major traffic artery within the Niger Delta, from which ocean-liners, seafarers and tourists alike are
Daudin's Monitor in southern Nigeria

AN HISTORICAL ACCOUNT

In the early nineteenth century, Bonny was a wholesale market place for slaves, with no fewer than 20,000 slaves being sold and deported annually to the Americas and to Europe. The people of the Brass country (presently in Bayelsa State), called Allakoos, Ibibbys (= Ibibio) or Quaw, and the Heebo (= Ibo) people constituted the majority of the slave-trade market. During the reign of King Opubo Fubara Pepple (1792-1830), himself originally of Ibo descent, as were many of the principal slave traders, life in Bonny was rigorous. In time, commodities such as salt, yams and trading in slaves grew in importance and commerce began to increase, both for the King and for the traders of Bonny. The once continuous block of flooded forest and mangrove forest was broken up by a crisscross of roads, especially along the main river courses which became crucial trading axes (the Rivers of Bonny, New Calabar, and Sombreiro). As a result of these environmental changes, people of different ethnic groups and traditions started to mix, with the result that a half-caste culture grew up (De Montclos, 1994).

In 1823, Captain John Adams, trader, ship's captain and explorer, wrote down his impressions of all those aspects of native life that he had encountered in his travels along the West African coastline. In particular, Adams's very precise observations of Bonny, situated on the eastern side of the River Niger region and approximately five miles from the sea are invaluable. In the first decades of the nineteenth century, the Brass people who inhabited the small town of Peterside, situated on the banks of the Bonny River, but on the opposite side of Bonny town, practised a cult which prescribed special veneration of the Rock Python (Python sebae), a large-sized (up to 9 m long) snake which is still present in the region to the present day (Luiselli, Angelici & Akani, 2001). This sacred reptile was permitted to roam freely throughout the huts and grounds of the villages. Should one of these snakes ever seize a small child, the grieving mother would display pride in the fact that such a sacred creature had taken her child (Adams, 1823; Johnston, 1923). This cultic snake worship was repulsive to the English sailors who thought of this savagery as utterly wretched.

In Bonny, the Ibo natives had their own sacred reptile, Daudin's Monitor (V. ornatus), as their deity, referred to by King Opubo Pepple as his 'fetiche' [= fetish] or ju-ju [sometimes spelled jew-jew].

According to Kingsley (1897), neither fetiche nor ju-ju were native words. Fetiche comes from the word old portuguese explorers used to designate the objects they thought the natives worshipped, and in which they were wise enough to recognize a certain similarity to their own little images and relics of Saints, 'Fetico'. Ju-ju, on the other hand, is french and comes the word for toy or doll, while other scholars believe it to originate from 'gru-gru', a Mandingo word for charm. Fetiche is more precise and has more affinity to the image of a Saint, as it is not venerated for itself, or treasured because of its prettiness, but only because it is the residence, or the occasional haunt, of a spirit (Kingsley, 1897).

These monitor lizards were seen by Captain Adams and others crawling about the town, where they were caressed and fed by the Ibo natives. A widely held local belief was in circulation that anyone entering a house which had also been entered by a monitor would enjoy specially good fortune. Indeed, Captain Adams experienced a further demonstration of this 'lizard worship' and noted it: One day, thirty or forty canoes were surrounding a larger vessel in the river when a 'fetiche' or monitor lizard was observed in the centre of the river, swimming to Peterside, just
Daudin’s Monitor in southern Nigeria

across the river from Bonny. All the canoes left the
larger vessel in pursuit of their fetiche to see who
would reach it first and take it to the opposite
shore. On their return to the shore on the Bonny
side, Captain Adams asked the natives, ‘What
would have happened if the New Calabar fetiche,
the shark, had reached their lizard fetiche first?’
The natives apparently replied that the shark would
never have dared to touch their deity! Thus, it
seems that within one small region of the Niger
Delta, the Brass in Peterside worshipped the Rock
Python, the Ibo in Bonny, just across the river,
worshipped Daudin’s Monitor while, in New
Calabar, the people worshipped the shark. Such
fetiche worship was common throughout Africa.
In the Kasai region of the Congo around
Brazzaville, for example, the Lele people
worshipped the Pangolin (Manis tricuspis), and
persecuted the Nile Monitor (Varanus niloticus)
(Douglas, 1957).

While theology was clearly not an important
aspect of life in Bonny, Peterside, Calabar or
elsewhere in the Niger Delta, King Opubo Pepple
had shown Captain Adams the numerous Christian
artifacts displayed on a table in the royal palace,
used merely as ornaments and possessing no other
significance for him which had been brought to
Bonny decades before by Portuguese missionaries.
According to Adams (1823), a cross, once the
central symbol of the Portuguese church, appears
to have still been in use as a sign at the cross roads
in Bonny. By the time the slave trade had been
abolished in Africa, the trade in other than human
goods was vigorously pursued. After 1846, when
the first missionaries were allowed to settle in
West Africa, the towns of Calabar, Brass and
Bonny experienced an increase in size, most
markedly from 1861 to 1864, and particularly
amongst immigrants and converts to Christianity
(Ikime, 1980). By the 1860s, Christianity was
becoming increasingly important. In 1869, a man
named Peter Obonanta, was probably the first to
renounce traditional animistic religion, and was
baptized as a Christian (Isichei, 1982).

By 1878, the fetiche cult of iguanas, [used to
designate monitors], a name imported from the
West Indies into West Africa, and still widely used
in pidgin English by the people of the Delta
(Angelici & Luiselli, 2000) was so considerable
that the British Consular authorities of the deltaic
Niger River, or ‘Oil Rivers’ region, lent it their
sanction as well (Johnston, 1923). All Europeans
under Consular jurisdiction were forbidden to kill
the sacred fetiche of Bonny, or Rock Python of
Brass. However, an incident occurred at Brass, in
1878, whereby an agent of the firm of Messrs
Hatton and Cookson, discovering a large python in
his house, had killed it outright. When this
misdeed had become known to the Brass’s
Chieftain, the people descended on the factory of
Hatton & Cookson, forcibly removing the agent
who had killed their fetiche. They tied him down
to the ground by his thumbs and toes, spat into his
mouth and performed other indignities on his
person. The Chieftain and followers broke into the
nearby store owned by this agent, and took goods
equal in value to twenty pounds’ sterling as
retribution. Consul Hopkins, learning of this
disturbance in Brass, considered the case, and
summarily fined the agent an additional twenty
pounds’ sterling! This was the usual punishment
for any European sufficiently ignorant to harass,
injure or kill a fetiche in Bonny, Brass, Calabar or
elsewhere in Nigeria. But nowhere in deltaic
Nigeria was the fetiche so strong as in Bonny.

In Bonny, the cult of monitor lizards had
become a nuisance by early in 1878, for these
reptiles devoured fowls, turkeys, ducks and geese
belonging to the Europeans with impunity. It is
reported in the original sources that these lizards
would lie in the middle of the road or in doorways,
and savagely lash the legs of those people walking
a tail-length away, often leaving them bloodied by
their assaults.

The Church Missionary Society, through its
actions in converting the natives to Christianity,
seem to have brought about changes from this
absurd fetiche and associated practices in just one
day! In March of 1882, a great ‘infestation’ of
monitor lizards occurred at Bonny. There, they
were to be found in every hut, house, garden, roof
or churchyard. On Easter Sunday 1882, the
missionaries convinced the converted Ibo people,
including King George Oruigbiji Pepple I (1866-
83), to slaughter the saurian fetiche. So when the church bells sounded out that Easter Sunday morning upon Bonny, a large number of men and boys armed themselves with machetes, clubs and sticks and proceeded to slaughter the monitors, resulting in the slaughter of every *Varanus* they met with. The stench from the lizards' bloated bodies scattered throughout Bonny soon became unbearable. A similar slaughter had occurred two years' previously earlier in Brass, where all the fetiche pythons across the river from Bonny had been killed. This time the massacre had occurred in Bonny itself. Following this 'saurian holocaust', the people had left behind their animistic beliefs, and turned instead to Christian ones, in the shadow of the many hundreds of dead monitor lizards strewn across this small trading town (Johnston, 1923; Loveridge, 1949). Christianity has proved to be long lasting, for more than ninety per cent of the population of southern Nigeria remains Christian today (De Montclos, 1994).

The birth of Christianity in Bonny officially began on that Easter Morning of 1882, among the bloodshed of hundreds of monitor lizards, all in the Name of God replacing one Fetish for another, a man rather than a lizard.

**THE CURRENT SITUATION**

The presence of monitor lizards along both sides of the estuarine tract of the Bonny River, that is, both in Bonny Island and around Peterside, has been recently confirmed by Angelici & Luiselli (1999, see localities numbered 1 and 2 in Figure 2, at page 35). In the coastal area of the Bonny River, the monitors occur nowadays mainly around Peterside within pockets of freshwater habitat which mark the pipeline of the Shell Petroleum Developmental Company and of Manifold. Angelici & Luiselli (1999) also observed these lizards amongst the mangrove swamps. Many are trapped by the natives as they are relatively abundant there. Studies by two of us (LL and GCA) showed that no fewer than three adult monitors are caught bimonthly around the single village of Peterside. The monitor lizards are usually trapped using crabs as bait (mainly *Cardiosoma armatum*, *Uca tangeri*, and *Sersama huzardii*, which abound in the place). It must be noticed that crabs are the main food type for free-ranging *V. ornatus* from southern Nigeria (Angelici & Luiselli, 1999; Luiselli et al., 1999), and the fact that they are used as bait by natives is an indication of the fact that the crab-eating preferences of monitors are well known to local hunters. A few days after setting the bait, it begins to decay, supporting the growth of a large maggot population. The smell of putrifying crab attracts the monitor, which is then trapped. The decline in the monitor population finds an explanation in the legend that the monitor was only killed once it had eaten a child. Following this incident, the natives began killing and eating the reptiles and their numbers declined dramatically. Such legends aside, increased human activity and frequent oil spillages have contributed to the reduction in the population of monitors, caused by the destruction of eggs and the pursuit of adults for skin and meat. It is noteworthy that stuffed adult monitor lizards are frequently offered for sale as souvenirs in tourist shops in Port Harcourt, Aba, and Calabar, as well as in ju-ju markets throughout the region.

In a recent ethno-zoological survey, Akani & Luiselli (2001) found that veneration for monitor lizards is still alive in sectors of southern Nigeria, being specially concentrated in Delta State and Rivers State, whereas they are persecuted nearly everywhere in Bayelsa, Akwa-Ibom, and Cross River States. In particular, a tendency was observed toward respect for these animals by animistic people in Bonny island, although the mixed ethnic and cultural composition of this developing town has nowadays compromised the positive traditions towards monitors. Consequent killing of many specimens now occurs amongst those who observe Christian traditions, now dominant in the area.

Across West Africa, belief in *Varanus* and other reptilian Fetish is still present, at Bamako's Fetish Market in Mali (Eason & Attum, 2002) and at the largest Fetish market in all of West Africa, at Cotonou in Benin.
ACKNOWLEDGEMENTS
The authors dedicate this paper to the Late Sean McKeown, Zoo Curator extraordinary. Current data on monitor lizards at Bonny was gathered during field expeditions supported by several companies, mainly the E.N.I.-AGIP group, and Award of the Linnaeus Fund (1999, 2000, 2001) by the Chelonian Research Foundation (Lunenburg, U.S.A.). Dr. Brenda Bolton (London) greatly improved the style of this manuscript.

REFERENCES