

Southern Ghana

West Africa's Forgotten Eden

A Greentours Trip Report

1st to 15th October 2013

Led by Paul Cardy

Trip report written by Paul Cardy

Day 1 Tuesday 1st October Arrival

I arrived somewhat before the group, from Turin, via Frankfurt. Formalities for me were very straightforward as the small Lufthansa flight was the only arrival at the time. Rather unusually Yellow Fever Certificates were stringently checked today, for the first time in my fifteen or so visits here. So it's important to remember the certificate!

Deciding whether or not I had enough time to rush to the hotel, sort practicalities there, and get back to the airport in time to meet the group was not easy, but in the end I had about an hour and a half before their scheduled arrival so I found the Golden Tulip vehicle and we sped to the very good five star hotel. There I quickly checked everything was in place for the group's arrival, found where to have dinner, and checked in and threw my things into the room before rushing back to the terminal.

Before too long the group started arriving and soon we were all assembled. Back in the Golden Tulip mini-bus for the very short drive to the hotel, there I got everyone settled into their rooms, and we met in the dining area for dinner, a snack, or just a drink according to what everyone required. We looked forward to a productive tour.

Day 2 Wednesday 2nd October Transfer to Ankobra

Breakfast in the hotel was rather good, with everyone refreshed after a good night's sleep in the very comfortable rooms. Having changed money, loaded the vehicle, etc., we were soon on the road west, parts of which have now been much improved. Our bus, driven by Jonathon, supervised by my old friend Jones, was probably the best vehicle we have ever had here. Spacious, comfortable, reliable, speedy, and perfectly able to cope with rough dirt tracks.

As always the varied activities of colourful Ghanaian life kept us amused during the journey. The competition began to spot the silliest shop title, but one of my favourites is still 'I can do all things through God strengthens me fashions'. 'Uncle Fathers Nippy Spot' (a bar!) comes a close second

however. Sadly these idiosyncratic shop names seem much less common nowadays than they were even a few years ago.

Birds seen on route included Western Grey Plantain-eater, Senegal Coucal, Little Swift, Pied Kingfisher, Woodland Kingfisher, and African Pied Hornbill.

Accra sprawls west for ages, but finally we started to see some coastal scrub. We made a short stop so I could stock up on bottled water etc. Then, near Winneba, we had another short stop to stretch our legs at a small forestry research plot. Surprisingly few butterflies were on the wing but as all was new there was enough to keep everyone amused. *Papilio demodocus*, *Eurema hecabe*, *Belenois creona*, *Appias sylvia*, *Mylothris chloris*, *Axiocerces harpax*, *Danaus chrysippus*, *Neptis morosa*, *Junonia oenone*, and *Phalanta phalantha* were all here.

Northern Crombec worked a tree nuthatch like, and Chestnut-breasted Negrofinch was seen.

A good hotel in Elmina provided a convenient place for a sandwich and chips lunch. The lawns had many of the grass blue *Zizeeria knysna*. Long-tailed Cormorant, dark phase Western Reef Heron, and Whimbrel flew along the coast.

Continuing west we had to travel purposefully, and finally arrived early evening at our very good hotel. Our hotel was a series of comfortable rondavels along a beautiful coconut lined beach. We settled in before enjoying our first very good dinner.

Days 3, 4, & 5 **Ankasa National Park** **Thursday 3rd, Friday 4th & Saturday 5th October**

Using our beach hotel as a base, we spent three full days exploring the forest at Ankasa National Park. An hours drive west towards the Ivorean border took us to the junction with a track that led into the heart of the wet evergreen forest of Ankasa.

Something of a surprise on our first day was the 6km entrance track which had some pretty hairy muddy stretches after the recent rains. This entrance track was lined with flowery verges, with much *Aspilia africana*, *Mimosa pudica*, various Malvaceae, *Hyabanthus*, *Ageratum* etc. and was very attractive to butterflies.

At the entrance gate I was met by Ken whom I hadn't seen for twelve years but he still recognised me and remembered my name. He soon contacted Rockson with whom I've worked in Ghana for some fifteen years, although we hadn't seen each other for a while. There followed an emotional reunion of the old team as Jones and Rockson were reunited too!

The first butterfly session began in the flowery scrub outside the gates and this kept everyone happy for a long time. We were seeing everything for the first time on the tour. Acraeas were a feature. The attractive *Acraea neobule* nectared on low herbs, whilst *Acraea egina* and *Acraea pseudEGINA* favoured the aspilia. The dusky transparent *Acraea polis* sailed over, and smaller species were *Acraea serena* and *Acraea bonasia*.

Species typical of this open habitat were Dark Blue Pansy, *Junonia terea*, *Junonia sophia*, Fashion Commodore, African Joker, and White-banded Castor. *Eicochrysops hippocrates* and *Thermoniphas micyclus* were among the blues. There were several skippers such as *Pardaleodes edipus*, *Acleros ploetzi*, *Sarangesa laelius* and one or more *Paracleros* species.

It was difficult to drag everyone away from all this, but it was time to actually enter the park, and the wet evergreen forest of Ankasa where a drivable track took us into fine habitat. The overcast weather meant we had to search rather hard for butterflies but sunnier spells brought out the impressive larger species and we saw many good things during our visits.

Satyrids were a feature, among the *Bicyclus* being *Bicyclus sandace*, *Bicyclus taenias*, *Bicyclus dorothea*, and *Bicyclus martius*. The attractive *Bicyclus nobilis* was a pleasing find. We saw our first liptenids, characteristically perching on twigs and marantaceous vines. *Eresiomera bicolor* typically moved its wings through 180 degrees. *Liptena simplicia* was here, and we found the fine acraea mimic *Telipna acraea*.

Electric Green Swallowtail kept us enthralled as it continually seemed about to land on the mud but never did. Common Striped Swordtails often sped along the track. Female Ussher's Palla and Blue Diadem were among the impressive large nymphalids. The gliders *Cymothoe egesta* and *Cymothoe jodutta* were on the wing.

Tommy was very fortunate to see the rare and striking *Charaxes hadrianus*, which we failed to relocate. The much commoner *Charaxes eupale* was here too.

The miletinid *Megalopalpus zymna* was much in evidence, frantically in flight and occasionally landing, a species with carnivorous larvae.

As we drove out of the forest on the first day, Graham spotted a terrapin scrambling out of a puddle. This was a fine small forest species with ridged and ornamented carapace. We saw another, and also probably the same individual again, the following day. These were young *Pelusios gabonensis*, the African Forest Turtle. The young apparently favour such shallow puddles. As all terrapins it had a repellent odour when handled. A few skinks were seen, and a young Forest Monitor, *Varanus ornatus*, swam in the river.

A perched Shining Blue Kingfisher was seen superbly along the river, and a brief flying female Giant Kingfisher was a highlight. Of course we were concentrating on butterflies, and birds were mostly recorded by calls and songs, but the calibre of those species we noted by ear whilst looking at butterflies shows what fine habitat this is. Olive Long-tailed Cuckoo was common, and Yellow-billed Turaco, Yellow-whiskered Greenbul, Finsch's Flycatcher Thrush, and Red-bellied Paradise Flycatcher were all heard. Icterine Greenbul and Crested Malimbe were part of a mixed flock. African Emerald, Klaas's, and Black Cuckoos called regularly. Chocolate-backed Kingfisher, African Pigmy Kingfisher, and Dusky Blue Flycatcher were all seen.

Ankasa is very important for the primates it supports, but this visit all we heard were Lowe's Monkeys. There was impressive sign of recent Forest Elephant activity. In the open area we found a dead Butterfly Bat, a *Chalinolobus* species.

The second day at Ankasa was rather wet. Unfortunately the weather lived up to Hilary's forecast and it did rain almost continually all day. Nevertheless there were dry spells and periods when the rain was so light, that we spent most of the morning on foot anyway. Many of the same species were again seen but a number of new ones were added despite the weather.

Dragonflies were a feature of the tour, with several seen at most sites visited. Probably the most important record was here, a very fine large gomphid perched in full view in the rain. This was much admired and photographed.

A highlight was Drury's Emperor Swallowtail that settled allowing most a photo. Also seen was the swallowtail *Papilio cypraeofila*. Forest Grass Yellow was much in evidence, and the weather suited the wood whites *Leptosia alcesta* and *Leptosia medusa*. Among the lycaenids were *Micropentila adelgitha* and *Azanus mirza*. Forest Glade Nymph, Blue Sailer, Forest Mother-of-Pearl, and Brown Pansy were recorded. A very surprising record today was a female *Hypolimnas misippus*, unusually inside the forest.

Another full day was spent in another part of Ankasa, starting at a ranger's camp closer to the Ivorean border. We started with many fine butterflies in the open area, not least a beautiful male *Cerautola ceraunia*. Scalloped Sailer was rather common. Ron and I both saw rather uniform medium sized brown snakes. A small humming-bird hawkmoth was on the wing. Again entering the forest, the track proved very productive.

Large Vagrant, Round-winged Orange-tip, Calypso Caper White, *Megalopalpus metaleucus*, *Mimeresia libentina*, *Eresiomera bicolor*, *Tetrarhinis baralingam*, *Tetrarhinis symplocus*, *Larinopoda eurema*, *Dapidodigma hymen*, *Uranothauma falkensteini*, *Cacyreus lingeus*, and *Amauris tartarea* were all seen.

Skippers seen today included *Coeliades pistratus*, *Tagiades flesus*, *Spialia ploetzi*, *Celaenorrhinus plagiatus* and the ubiquitous *Meza meza*. *Acraea alcinoe*, *Acraea parrhasia*, and *Acraea umbra* were among the acraeas.

This was the day we started seeing forest floor nymphalids in numbers. Among them were *Euphaedra harpalyce*, *Euphaedra xypete*, *Euphaedra ceres*, *Catuna crithea*, *Catuna oberthueri*, *Euriphene coerulea*, *Bebearia phantasina*, *Bebearia cocalia*, *Bebearia oxione*, *Bebearia osyris*, *Bebearia laetitia*, and *Bebearia sophus*. *Euriphene veronica* was rather common, occurring only at Ankasa in Ghana, here at the eastern limit of its range. Two potentially interesting records were of perhaps *Euriphene grosesmithi* and *Euriphene leonis*.

Bicyclus procora was added to the satyrid list, and in a small marshy spot outside the forest we found two of the distinctive *Hallelesis halyma*.

Back at the hotel, in the evenings huge numbers of Straw-coloured Fruit Bats flew over from their nearby roosts.

Day 6 Sunday 6th October

Transfer to Elmina

What was basically a transfer day saw us saying farewell to our hotel and heading east. Initially we travelled through the seemingly endless roadworks, although the habitat this far west was somewhat less degraded and built upon than nearer to Accra. The roadworks are part of an ambitious scheme to improve the coastal highway all the way between Abidjan and Lagos. A service station stop in the booming oil town of Takoradi allowed for stocking up on provisions.

We motored purposefully and arrived at the intended coastal thicket and grassland stop a little before lunch. Butterflies in this habitat were rather limited but such fine weather saw us recording an interesting selection during our short stay. Most were savannah species that penetrate the forest zone in disturbed areas, and occur along the coast.

Round-wing Orange-tip started things off, and there were several Citrus Swallowtails on the wing. Calypso Caper White oviposited inside a bush. *Neptis morosa* was here, and among the blues were *Euchrysois osiris* and *Zizina antanossa*. *Bicyclus safitza* and *Ypthimomorpha itonia* were added to the satyrid list, and Common Leopard was on the wing. The moth Beautiful Footman was seen.

Not the best time of day for birds but we did see Yellow-mantled Widowbird in breeding plumage, and Blue-billed Firefinch, Copper Sunbird, Vieillot's Black Weaver, and Orange-cheeked Waxbill.

A short drive took us to our beach hotel, spaciouly spread among the eponymous coconut grove, with a now unfortunately reinstated golf course behind it. Accessing the productive scrub habitat was less easy than in the past but those of us who persevered on a late afternoon walk were rewarded with a couple of hours of fine birding, as there were few butterflies at this time of day.

We saw some fine colourful species. Double-toothed Barbet was criminally walked away from after all had had fine 'scope views; the beautiful Yellow-crowned Gonolek was seen very well; Western Grey Plantain Eater and the more colourful Green Turaco were both here; Splendid Sunbird was much admired; both Marsh and Black-crowned Tchagra were seen well; two special swifts were in the air, Mottled Spinetail and White-rumped Swift, alongside the more prosaic Palm and Little Swifts; Grey Kestrels perched on the wires; and we were charmed by a characterful flock of Black-rumped Waxbills.

Double-spurred Francolin called and was seen in flight. Singing Cisticola and Tawny-flanked Prinia called, and Little Greenbul and Simple Greenbul were both seen very well. Among the few butterflies were *Acraea egina* and Citrus Swallowtail, the latter rather common.

Striped Ground Squirrel ran across the track.

Dinner was a very good buffet eaten by the shore, but unfortunately not done justice to due to lack of appetite of some of the group!

Day 7 Monday 7th October

Transfer via Kakum to Bobiri

The morning was spent travelling north, via Kakum National Park, and thence to the Kumasi area. Initially the journey was through almost continuous villages in the forest zone, with always something fascinating going on to entertain us.

Having reached the little visited northern fringes of Kakum we made a few short stops. Many butterflies were on the wing. A female *Charaxes tiridates* was seen, whilst a colony of *Bebearia paludicola* was found. *Neptis metella* and *Neptis nemetes* both settled long enough to be identified. *Salamis cacta* was impressive. Bristle-nosed Barbets were nesting in a dead tree.

Having reached a fine area of forest we saw the lovely Narrow Green-banded Swallowtail as well as Veined Swordtail, Coppery Swallowtail, and Common Striped Swordtail. *Oxylides faunus* was much admired, and one of the two *Dapidodigma* species was here. *Triclema lamias* and African Line Blue were added to the lycaenid list. Our first African Beaks were here, and *Charaxes pleione*.

Our journey continued along a series of forest tracks, and in the afternoon we joined the highway south of Kumasi. This road is now excellent and much improved and we made excellent progress. At Bekwai we turned east and took attractive little used but fast minor roads that completely bypassed the traffic of Kumasi.

It was dusk as we arrived at the junction that would lead us into the forest at Bobiri. Jonathon negotiated the entrance road and we arrived at the guest house clearing at about six in the evening. There we settled into the rooms that would be our home for the next four nights.

The generator was soon started up, and we met at 7.30 for a very welcome dinner with the soundtrack of the forest providing a fine backdrop.

Days 8 & 9

Bobiri Butterfly Sanctuary

Tuesday 8th & Wednesday 9th October

Bobiri is a forest reserve that is particularly protected for the wealth of butterflies that occur here. The current estimate is some five hundred species. The small guesthouse in a forest clearing here is always a very peaceful place to stay. We spent two full days here exploring the main forest trail that leads through fine tall forest, the rich trackside flora supporting a great variety of species, with much mud-puddling. Heavy rain overnight did not complicate matters too much, and the track was walkable for the intended length.

Our days here started with a 7 o'clock breakfast, setting out about 8 until a late 2 o'clock lunch allowing us to experience the best of the butterflies before returning for a welcome break on the verandah. In the afternoon there was of course the chance to return again down the track, although on the second afternoon we drove out into the open area at the edge of the forest which produced several things of note, mainly birds.

The second day at Bobiri always allows a more leisurely appreciation of the wealth of butterflies, after the sensory onslaught of the first day, and always a good number of species not seen on the first day are recorded. By the end of the two mornings we all reached what is usually a very wet marshy area, the water making further progress difficult. This as usual had much fine mud puddling and produced many butterflies.

At the start of the track this year was much fermenting fruit, which attracted many forest nymphalids, even quite early in the morning. Among these were *Euphaedra medon*, *Euphaedra ceres*, *Euphaedra themis*, *Euphaedra xypete*, *Euphaedra harpalyce*, and the fine *Euphaedra edwardsi*. There were several *Bebearia* including *Bebearia absolon*, *Bebearia cocalia*, *Bebearia tentyris*, *Bebearia lucayensis*, *Bebearia zonara*, *Bebearia mandinga*, *Bebearia phantasina*, *Bebearia oxione*, *Bebearia abesa*, *Bebearia sophus* and *Bebearia mardania*. Also here were *Euriphene gambiae*, *Euriphene ampedusa*, *Euriphene coerulea*, and Forest Glade Nymph. Repeated visits to the fallen fruit allowed familiarisation with all of these. Special this year, but photographed by only the lucky few, were *Euphaedra eleus* and *Euphaedra perseis*, mimicking the geometrid moth, *Aletis*, that we would see several of in the Volta Region.

It is always difficult to know how to start describing the butterflies at Bobiri, as we saw over one hundred species each day. Among the swallowtails seen were Mocker Swallowtail, Broad Green-banded Swallowtail, *Papilio sosia*, Drury's Emperor Swallowtail, *Papilio cypraeofila*, Citrus Swallowtail, and Common Striped Swordtail. Large Striped Swordtail was seen by some. Pierids were much in evidence, with both Common and Forest Grass Yellows, Large Vagrants, Cambridge Vagrants, Calypso Caper White, Forest Caper White, Sabine Albatross, and *Mylothris rhodope* all noted. The wood whites *Leptosia alcesta*, *Leptosia medusa* and *Leptosia hybrida* fluttered weakly at the forest edge and *Nepheronia pharis* was attractively patterned. Several male *Dixeia cebron* were recorded mud puddling.

Megalopalpus zymna, a species with carnivorous larvae, represented the Miletinae. Liptenids were rather few and far between but we saw *Pentila petreia*, *Eresiomera isca*, *Liptena simplicia*, *Citrinophila marginalis*, *Citrinophila similis*, *Falcuna leonensis*, *Larinopoda eurema*, *Epitolina dispar* and *Epitolina melissa*. *Stemfferia leonina* and *Stemfferia moyambina* were identified, and the latter may be a new record for Bobiri. Among the hairstreaks, *Oxylides faunus*, *Aphnaeus orcas*, and various species of fairy hairstreaks caused much interest.

Among the many blues, especially on the tracks, were *Anthene rubricinctus*, *Anthene larydas*, *Anthene liodes*, African Line-blue, Common Bush Blue, Forest Pied Pierrot, Pale Babul Blue, and Common Chalk Blue. Common Ginger Whites and Gussfeldt's Ginger White frequented the gingers. *Uranothauma falckensteini* was rather common this visit, and at other sites too.

Satyrids were less numerous than usual, although *Bicyclus xeneas*, *Bicyclus madetes*, *Bicyclus abnormis* and *Bicyclus sangmelinae* were all here.

Nymphalids continued with Forest Glade Nymph, Angular Glider, and *Cymothoe caenis*. Larger and impressive species included Friar, Flame Bordered Charaxes, Violet-washed Charaxes, White Barred Charaxes, Forest Pearl Charaxes, Common Green Charaxes, Ornate Green Charaxes, Demon Charaxes, Square-winged Red Charaxes, Falcate Red Charaxes, Ussher's Palla, Violet-banded Palla,

Variable Eggfly, Blue Diadem, Forest Mother-of-Pearl, Western Blue Beauty, Orange Admiral, and a few Pied Pipers.

As usual there were several *Neptis*, but most were very active making positive identification difficult. However we did see *Neptis metella*, *Neptis nemetes*, *Neptis nysiades*, *Neptis agouale*, *Neptis trigonophora*, *Neptis quintilla* and *Neptis puella*.

Acraea pharsalus, *Acraea egina*, *Acraea epaea*, *Acraea umbra*, and *Acraea vestalis* were among the acraeas.

Skippers were much in evidence, among them *Ceratrachia argyrosticta*, *Ceratrachia nothus*, *Eagris denuba*, *Eagris tetrastigma*, *Osmodes laronia*, *Osmodes thora*, *Pteroteinon caenira*, and *Gorgyra subfacatus*.

Among the many other species were *Euphaedra eupalus*, *Euphaedra janetta*, *Euphaedra hebes*, *Cymothoe mabiliei*, *Pseudacraea warburgi* and *Phalanta eurytus*.

In the two or so months that I have spent in total at Bobiri I have recorded some 160 species including some very rare birds such as Yellow-footed Honeyguide. It is important to remember that although diversity in forests such as this is high, numbers of each species are generally low, and on a short visit only a small selection of what is present will ever be seen.

Red-fronted Parrots occasionally flew over the forest. The calls of Black Cuckoo were almost constant, with Emerald and Klaas's often heard too. Naked-faced Barbet, Swamp Palm Greenbul, Black-winged Oriole, Red-vented Malimbe, and Yellow-mantled Weaver were among the other species seen. Overnight African Wood Owl called.

On the second afternoon we arrived at the open area outside the forest with plenty of time before dark, and were able to walk at a leisurely pace for some distance through this interesting habitat. Among the birds here were Johanna's Sunbird, Splendid Glossy Starling, Viellot's Weaver, and Orange-cheeked Waxbill. A Yellowbill flew across the track, and the Black-winged Red Bishops were in breeding plumage. The open area had a few butterflies too such as Guinea fowl.

Roger was especially keen on seeing mantids and we saw a pretty good selection during the tour, especially at Bobiri. There were also a number of millipedes, many bugs, beetles, orthoptera and hymenoptera seen at many sites, but especially here.

Night walks were limited by the heavy evening rain and the flooded track. We did however see Demidoff's Galago, and at least four species of frogs, as well as some fine insects.

Day 10 Thursday 10th October Nkawkaw and Kwahu Escarpment

Today we took a day trip from Bobiri, optional but everybody came along. We travelled east to Nkawkaw and from there explored a patch of excellent forest at the foot of the Kwahu (Mpraeso) Escarpment that we have been visiting for years, and later explored another area at the top of the ridge at Kwahu. This turned out to be one of the most productive days of the tour for butterflies,

with many good finds. Many of the species present at Bobiri were also in this area, but we saw a good number of new species.

Skippers were a feature, with a remarkable variety present. Among them were *Coeliades chalybe*, *Celaenorrhinus galenus*, *Sarangesa bouvieri*, *Sarangesa thecla*, and *Ceratrachia phocion*. The acraea skipper *Fresna netopha* was a highlight.

Cambridge Vagrant was on the wing. The day's highlight was three fine male African Leaf Butterflies, and two females were in perfect condition. A few liptenids included *Pentila petreia*, *Telipna acraea* and *Citrinophila marginalis*. The Ginger White *Oberonia ornata* was here too.

Once in more covered forest there were several *Euphaedra*, *Bebearia*, and *Euriphene*. *Charaxes lycurgus* deliberated over the shrimp bait, whilst *Charaxes eupale* was more decisive. *Acraea lycoa*, *Acraea orestia*, *Acraea circeis* were all new for the tour.

Yellow-spotted Barbet and a small active group of Chestnut-capped Flycatchers were among the birds.

Timely heavy rain came at lunch, which we ate in a characterful little restaurant at the top of the escarpment. After the filling lunch we explored a paved road that led up to an enclosure of communication masts on the nearby hills. This was a superb area, and although rain came intermittently we had some good periods of dry weather and found some interesting species.

Green-banded Swallowtail had been a feature on my last visit here, but only one was seen today. *Coeliades forestan* was here. A short path took us past a disused hotel to a fine viewpoint. The hotel was rather intriguing as it had only opened earlier this century. The satyrid *Bicyclus auricruda* was added to the list. Large Vagrant was here too. A stunning bright green grasshopper was particularly impressive.

A small group of Sharpe's Apalis moved through the canopy and African Pigmy Kingfisher flew across the track.

A feature here today and of many sites we visited was the superb range of fungi. Particularly striking was a discomycete, numerous on a few rotting logs, with fringed cups. The same species was seen at Bobiri. Among the many other species seen were a beautiful small red basiodiomycete and a few species with rather ornamented spiky caps. The *Selaginella* was very lush here too.

Day 11 Friday 11th October Transfer to Wli via Bunso Arboretum

It was time to say farewell to Agnes and King at Bobiri, and make our way east to the Volta Region. First of all we travelled the much improved (not least by the Nkawkaw bypass) Kumasi to Accra road. Despite the late start we made very good progress and arrived at Bunso Arboretum at the intended time. We had nearly three hours at this excellent site, a real gem, and beautifully peaceful with a small disused(?) guest house in the upper gardens. It was the butterflies that were the stars of the show here, and we caught up with several species we had not seen at Bobiri.

Flowering shrubs attracted some fine hairstreaks, being several *Iolaus eurisus* and one or more *Iolaus laon*. *Mylothris jaopura* nectared on the same shrubs. *Euptera elabontas* was seen briefly, and a male African Leaf was rather more tatty than those seen yesterday. Two special skippers were *Gorgyra pali* and *Fresna nyassae*.

Liptena submacula was seen, and a stunning species of *Epitola* flew speedily around and settled high. African Blue Tiger, Pearl Charaxes, and *Cymothoe egesta* were all here too. Among the several forest floor nymphalids *Euriphene simplex* and *Bebearia barce* were new to us. One fine light dappled edge of forest supported much activity. The lovely *Mesoxantha ethosea* was new for the tour. *Anthene lysicles* perched on a leaf and male Blood Red *Cymothoe* was much admired. There were some fine male *Acraea epaea* and also an *Acraea macaria*.

Blue-breasted Kingfisher, Red-headed Malimbe, and Forest Chestnut-winged Starling were among the birds.

As we ate lunch *Hewitsonia inexpectata* perched on a tall pole, and African Map was here. Back on the road, the journey became ever more interesting, with hills forming a backdrop, as we headed for the Volta. Soon we were driving through predominantly savannah, which reaches the coast here in the Dahomey Gap. The roads were winding and rather slow, and there were regular hold ups in some of the small towns such as Koforidua.

Once across the impressive Volta Bridge we were now in the Volta region, rather different from what we were used to in Ghana 'proper'. African Grey Hornbill, Piping Hornbill, and Lizard Buzzard were seen before night fell.

The poor roads meant very slow progress. I 'phoned ahead to make sure dinner was ready when we arrived, as it was after 8pm when we finally pulled up at the hotel.

Days 12 & 13 Saturday 12th & Sunday 13th October

Wli Falls and Afadjato

Our first day in the Volta region was spent very close to the hotel, at Wli Falls on the Togo border. Often stated to be West Africa's most impressive waterfall, the height of the falls is widely contested! At the Agumatsa Wildlife Sanctuary office it was necessary to hire a ranger for the walk to the falls. Fortunately Charles was here again today, as most guides here are totally unused to the slow pace of naturalists and soon become very bored with us. Charles had proved more tolerant of our very slow pace in the past. As I paid the fees the group found African Apefly in the clearing.

This was a superb place for butterflies, the small patch of good forest supporting a very diverse fauna. Various spots along the walk to the falls were alive with them, particularly whenever we crossed the many bridges across the stream. Among the many species recorded along the two kilometre or so path were Mocker Swallowtail, Veined Swordtail, Common Striped Swordtail, African Palmfly (several), Pearl Charaxes, Common Green Charaxes, Green Demon Charaxes, Common Glider, Edward's Forester, Orange Admiral, and Drury's Delight. Large nymphalids were

a feature, among them Blue Diadem, Western Blue Beauty, and Forest Mother-of-Pearl. *Anthene sylvanus* and *Oberonia guessfeldtii* were among the lycaenids.

As expected Liptenids were a feature of the site, with *Pentila petreia*, Common Harlequin, Western Pearly, *Liptena alluaudi*, *Larinopoda aspidos*, *Citrinophila similis*, *Epitolina dispar* and the wonderfully named Clench's On-off among them. A highlight was the scarce *Liptena rochei*, a fine species and an important find. Also notable were both *Telipna maesseni* and *Mimacraea maesseni*, both limited to the Volta region in Ghana.

The falls themselves were very impressive and well worth the walk, cascading down the escarpment, the border with Togo, the top of the falls being in that country. Incredibly impressive here was the vast roost of thousands of Straw-coloured Fruit Bats, noisy and squabbling as fruit bats usually do. They covered much of the extensive rock face.

The pools and mud at the base of the falls often attract mud-puddling butterflies, and today there was an impressive assemblage. The highlight was the rare *Abantis elegantula*, one of the paradise skippers and another important record. Among the many blues were Pied Blue, *Uranothauma falkensteini*, Forest Pied Pierrot, Pale Babul Blue, and White-banded Babul Blue, all these black and white on the underside. It was difficult to even approach the falls without getting wet, but African Map was there. The spray covered slopes were full of blooming *Impatiens kamerunensis*.

Butterflies continued with the two ginger whites, *Oberonia punctatus* and *Oberonia ornata*, frequenting the gingers. Some interesting satyrids included Yellow-banded Evening Brown, Small Marbled Bush-brown, and a lone *Bicyclus italus*. Among forest nymphalids were *Euphaedra medon*, *Euphaedra harpalyce*, *Euphaedra themis*, *Euphaedra ceres*, *Euphaedra janetta*, and *Euphaedra edwardsi*. *Catuna crithea* and *Catuna angustatum* were both here. The only *Cynandra opis* of the tour, a female, was a pleasing find. *Euryphura chalcis*, *Euriphene barombina*, *Euriphene amicia*, *Bebearia oxione*, *Bebearia tentyris*, *Bebearia zonara*, *Bebearia mandinga* and *Bebearia sophus* continued the variety. As throughout the tour acraeas were rather scarce, but among those seen were *Acraea peneleos*, *Acraea jodutta*, and *Acraea orestia*.

Spiders were another feature of the tour, and today an especially impressive pale grey 'wolf spider' with black and paler markings was much admired. Several salticids were found.

For lunch we returned to the guest house. Having pre-ordered all happened pretty quickly and there followed a short break before we headed out again into the field. The cold drinks and sandwiches were very welcome. On the walls of the house was a large stick insect.

We returned to Wli Falls, seeing many of the species listed above. Lesser Crepuscular Skipper was particularly fond of settling on us. The orchid *Eulophia guineensis* was in flower and a species of Nose-leaf Bat was seen closely, hanging from the rafters of a small building. The large geometer with a pattern similar to a scarce swallowtail was *Othroeda cafra*, and we found a large psychid larval case.

On our second day in the area we drove about 45 minutes to the protected forest at Afadjato, Ghana's highest peak at something around 900m (estimates as usual vary wildly). Whilst the ascent of the mountain through good forest was not for us, the forest at the foot of the mountain proved

good habitat. However for some reason our visit today was much less productive than the last time I'd been here. Then we had seen *Papilio nobicea*, only in the Volta region in Ghana, and the lovely *Euphaedra ruspina*. Neither were found today. Here today were several *Aletis* as there had been at Wli too, a geometer with the pattern of the orange euphaedra.

A highlight as we arrived, in the open area, was the strikingly large *Lepidochrysops quassi*. Again several African Palmflies were seen. Also here were *Amauris damocles*, *Pseudacraea lucretia*, and *Bicyclus funebris*. On a tree trunk here was the beautifully patterned lizard Blue-tailed Gliding Lizard. *Charaxes protoclea* flew speedily in the open area.

On the way back to Wli, short stops yielded Common Scarlet, Small Grass Yellow, and the yellow male *Belenois hedyle* flew past. *Neptis morosa* and *Acraea bonasia* were seen. A group of some ten European Bee-eaters flew over, calling, and Black-throated Coucal flew across the road. The startling pink moth that I saw in flight here was the noctuid *Miniodes discolor*.

In the afternoon we explored the grasslands just south of Wli. A selection of species now familiar to us was seen. Another *Bicyclus italus* was a highlight. We saw many fine caterpillars during the tour, and today several very impressive species were found.

A highlight was the scarce White-backed Night Heron flying from dense scrub. Blue-bellied Roller was admired. A female Gabon Woodpecker was here, and Compact Weavers were nesting.

Day 14 Monday 14th October Transfer to Accra and Departure

Today we drove back towards the Volta across the interesting savannah Dahomey Gap landscape with birds such as Blue-bellied Rollers and Black-shouldered Kite on the wires.

At the lunch site beside the Volta was Green-headed Sunbird and notably Splendid Sunbirds feeding a rather large Klaas's Cuckoo. *Protogoniomorpha anacardii* was new to the butterfly list.

We continued our journey and arrived in Accra mid-afternoon. Taking two rooms at a small hotel gave the opportunity for packing and changing before a quick dinner and travelling to the airport to catch our various flights.

Systematic Lists Ghana 2013

Itinerary

Day 1 Tuesday 1st October	Arrival
Day 2 Wednesday 2nd October	Accra to Ankobra Beach
Day 3 Thursday 3rd October	Ankasa National Park
Day 4 Friday 4th October	Ankasa National Park
Day 5 Saturday 5th October	Ankasa National Park
Day 6 Sunday 6th October	Brenu Beach, Elmina
Day 7 Monday 7th October	Aboabo, Kakum, to Bobiri
Day 8 Tuesday 8th October	Bobiri
Day 9 Wednesday 9th October	Bobiri
Day 10 Thursday 10th October	Nkawkaw, Kwahu Escarpment
Day 11 Friday 11th October	Bobiri, Bunso Arboretum, to Wli Falls
Day 12 Saturday 12th October	Wli Falls
Day 13 Sunday 13th October	Afadjato, Wli area
Day 14 Monday 14th October	Wli to Volta Bridge, Accra, Departure

Systematic List Number 1 Butterflies

The systematic order and nomenclature follow 'Butterflies of West Africa' by Torben B.Larsen, 2005. The focus of the tour was butterflies, and many scarce species were seen. Species recorded on the most recent tour here in 2011, but not this year, are put in square brackets. Species added this visit are annotated 2013.

PAPILIONOIDEA

Papilionidae

Papilioninae

<i>Papilio dardanus</i>	Mocker Swallowtail Widespread in small numbers. Mostly males were seen, but also a female at Kwahu.
<i>Papilio phorcas</i>	Apple Green Swallowtail Rather common on Kwahu Escarpment 2011. 2013 just one seen there.
[<i>Papilio horribilis</i>	Western Emperor Swallowtail 2+ at Aboabo. 2011.]
<i>Papilio chrapkowskoides</i> <i>ssp.nurettini</i>	Broad Green-Banded Swallowtail Scattered records.
<i>Papilio sosia</i>	Medium-banded Green Swallowtail A few at Bobiri.
<i>Papilio nireus</i>	Narrow-banded Green Swallowtail Aboabo, Bunso, and Volta.
<i>Papilio menestheus</i>	Drury's Emperor Swallowtail 2 at Ankasa.
<i>Papilio demodocus</i>	Citrus Swallowtail Widespread in small numbers.
<i>Papilio cyproeofila</i>	Common White-banded Swallowtail Ankasa, Bobiri, near Nkawkaw, and Bunso.
[<i>Papilio zenobia</i>	Zenobia Swallowtail 1 on Kwahu Escarpment. 2011.]
[<i>Papilio nobicea</i>	Volta Swallowtail 2 at Afadjato. 2011.]
<i>Graphium angolanus</i>	White Lady Water Heights hotel, Wli, garden.
<i>Graphium tynderaeus</i>	Electric Green Swallowtail 1 at Ankasa.
<i>Graphium latreillianus</i>	Coppery Swallowtail 1 at Aboabo.
<i>Graphium leonidas</i>	Veined Swordtail Scattered records, rather common in the Volta region.
<i>Graphium polices</i>	Common Striped Swordtail Widespread in small numbers.
<i>Graphium antheus</i>	Large Striped Swordtail Bobiri.

Pieridae

Coliadinae

<i>Catopsilia florella</i>	African Emigrant Widespread in small numbers.
<i>Eurema senegalensis</i>	Forest Grass Yellow Common in forests.
<i>Eurema hecabe ssp.solifera</i>	Common Grass Yellow Widespread and common.
<i>Eurema floricola ssp.leonis</i>	Malagasy Grass Yellow Probably overlooked!
<i>Eurema brigitta</i>	Small Grass Yellow Volta region.

Pierinae

<i>Nepheronia argia</i>	Large Vagrant Widespread, e.g. Ankasa, Bobiri, and Kwahu.
<i>Nepheronia thalassina</i>	Cambridge Vagrant Widespread in small numbers.
<i>Nepheronia pharis</i>	Round-winged Vagrant Only at Bobiri.
<i>Colotis euiippe</i>	Round-winged Orange-tip Scattered records in disturbed areas.
<i>Belenois creona</i>	African Caper White 1 at the very first stop near Winneba. 2013.
<i>Belenois calypso</i>	Calypso Caper White Widespread in small numbers.
<i>Belenois theora</i>	Forest Caper White A few at Bobiri.
<i>Belenois hedyle</i>	Western Yellow Caper White A male near Afadjato.
<i>Dixeia cebron</i>	Cebon White A few at Bobiri.
<i>Appias sylvia</i>	Common Albatross Widespread in small numbers.
<i>Appias sabina</i>	Sabine Albatross Small numbers at Bobiri.
[<i>Appias epaphia</i>	African Albatross A few at rest stop near Winneba. 2011.]
<i>Leptosia alcesta</i>	African Spirit Widespread and reasonably common.
<i>Leptosia hybrida</i>	Hybrid Spirit Bobiri and probably elsewhere.
<i>Leptosia medusa</i>	Dainty Spirit Widespread, e.g. Ankasa.
<i>Leptosia marginea</i>	Black-edged Spirit Possibly present too.

<i>Mylothris chloris</i>	Common Dotted Border Scattered records.
[<i>Mylothris dimidiata</i>	Western Sulphur Dotted Border A few at Kakum. 2011.]
<i>Mylothris poppea</i>	Poppea Dotted Border Scattered records.
<i>Mylothris rhodope</i>	Tropical Dotted Border Widespread.
<i>Mylothris jaopura</i>	Karsch's Dotted Border Males and females at Bunso.

Lycaenidae

Miletinae

<i>Aslauga marginalis</i>	Western Aslauga 3+ males at Bunso was a good record.
<i>Megalopalpus zymna</i>	Common Harvester Ankasa.
<i>Megalopalpus metaleucus</i>	Large Harvester Ankasa and Bobiri.
<i>Spalgis lemolea</i>	African Apefly Wli Falls HQ clearing.

Lipteninae

[<i>Ptelina carnuta</i>	Bordered Buff Wli Falls. 2011.]
[<i>Pentila pauli</i>	Paul's Pentila 2 near Nkawkaw. 2011.]
<i>Pentila petreia</i>	Common Red Pentila c.5 at Bobiri, 1 at Wli Falls.
[<i>Pentila picena</i>	Western Cream Pentila Waterfall Lodge, Wli. 2011.]
[<i>Pentila phidia</i>	Ghana Pentila 1 on Kwahu Escarpment. 2011.]
<i>Telipna acraea</i>	Common Telipna Ankasa and Nkawkaw 2013.
<i>Telipna maesseni</i>	Volta Telipna 1 at Wli Falls.
<i>Ornipholidotos</i> spp.	Glasswings were seen at Bobiri., and ?Volta region. Genitalia examination necessary for positive identification.
<i>Mimacraea maesseni</i>	Maessen's Acraea Mimic 1 at Wli Falls 2013.
<i>Mimeresia libentina</i>	Common Harlequin Ankasa and Wli Falls.
[<i>Pseuderesia eleaza</i>	Variable Harlequin Wli Falls, photo JV. A scarce species. 2011.]

<i>Eresiomera bicolor</i>	Western Pearly Several at Ankasa, also Wli Falls.
<i>Eresiomera isca</i>	Common Pearly Bobiri and Nkawkaw.
<i>Citrinophila marginalis</i>	Narrow-margined Yellow Bobiri and Nkawkaw.
<i>Citrinophila similis</i>	Similar Yellow Scattered forest records, e.g. Bobiri and Volta region.
[<i>Citrinophila erastus</i>	Large Yellow A female at Aboabo. 2011.]
<i>Liptena submacula</i>	Lathy's Liptena Bunso Arboretum.
<i>Liptena simplicia</i>	Simple Liptena Ankasa and Bobiri.
<i>Liptena alluaudi</i>	Alluaud's Liptena Wli Falls.
<i>Liptena rochei</i>	Roche's Liptena 1 at Wli Falls was a trip highlight 2013.
[<i>Liptena helena</i>	Red-spot False Dots 1 at Bunso Arboretum. 2011.]
<i>Falcuna leonensis</i>	Western Marble Several at Bobiri.
[<i>Falcuna campimus</i>	Scarce Marble 1 at Bobiri. 2011.]
<i>Tetrarhanis symplocus</i>	Clench's On-off Ankasa and Wli Falls.
<i>Tetrarhinis baralingam</i>	Baralingam On-off Ankasa 2013.
<i>Larinopoda aspidos</i>	Nigerian Pierid Blue Volta region.
<i>Larinopoda eurema</i>	Western Pierid Blue Ankasa, Bobiri, and Bunso Arboretum.
<i>Micropentila adelgitha</i>	Common Dots Several at Ankasa 2013.
[<i>Hewitsonia boisduvalii</i>	Large Tiger Blue A male and a female at Bobiri. 2011.]
<i>Hewitsonia inexpectata</i>	Unexpected Tiger Blue Bunso Arboretum.
<i>Cerautola ceraunia</i>	Silvery Epitola A male at Ankasa 2013.
[<i>Epitola posthumus</i>	Common Giant Epitola A female near Nkawkaw. Males of probably this species at a few sites. 2011.]
<i>Epitola uranoides ssp.occidentalis</i>	Libert's Giant Epitola Possibly this species at Bunso Arboretum, perching very high.
[<i>Epitola urania</i>	Purple Giant Epitola Possibly recorded? 2011.]
[<i>Hypophytala hyettoides</i>	Common Flash 2 males at Bunso Arboretum. 2011.]

<i>Stempfferia moyambina</i>	Moyambina Epitola 1 at Bobiri, for which it may be a new record. 2013.
<i>Stempfferia leonina</i>	Western Scalloped Epitola Bobiri 2013.
[<i>Stempfferia kholifa</i>	Kholifa Epitola Near Nkawkaw. 2011.]
<i>Epitolina dispar</i>	Common Epitolina Bobiri, Bunso, and Wli Falls.
<i>Epitolina melissa</i>	Powdered Epitolina Bobiri and Nkawkaw. 2013.

Theclinae

<i>Oxylides faunus</i>	Common False Head Aboabo and Bobiri.
<i>Dapidodigma hymen</i>	Western Virgin 1 at Ankasa 2013.
<i>Dapidodigma demeter</i>	Eastern Virgin This or the previous species at Aboabo, 2013.
<i>Aphnaeus orcas</i>	Common Silver Spot 1 at Bobiri, 2013.
<i>Axiocerces harpax</i>	Common Scarlet 1 near Winneba, 1 near Afadjato.
<i>Iolaus eurisus</i>	Royal Sapphire Several at Bunso Arboretum.
<i>Iolaus laon</i>	Fine Sapphire Bunso Arboretum.
<i>Hypolycaena philippus</i>	Common Hairstreak Brenu and Elmina.
[<i>Hypolycaena liara</i>	Black-patch Hairstreak Wli Falls. 2011.]

Most of the five following smaller *Hypolycaena* were not identified to species. Some were seen well enough to identify, and others may be identified from photos?

<i>Hypolycaena lebona</i>	Fairy Hairstreak Not positively identified.
<i>Hypolycaena clenchi</i>	Clench's Fairy Hairstreak Not positively identified.
<i>Hypolycaena scintillans</i>	Scintillating Fairy Hairstreak Ankasa and possibly elsewhere.
<i>Hypolycaena dubia</i>	Dubious Fairy Hairstreak Not positively identified but surely seen.
<i>Hypolycaena kakumi</i>	Kakum Fairy Hairstreak Not positively identified.
<i>Hypolycaena antifaunus</i>	Large Fairy Hairstreak Bobiri.
<i>Hypolycaena hatita</i>	Common Fairy Hairstreak Bobiri and Bunso.
[<i>Hypomyrina nomion</i>	Dark Orange Playboy 1 on Kwahu Escarpment. 2011.]

[<i>Deudorix antalus</i>	Brown Playboy Bosumtwe and Bunso. 2011.]
[<i>Deudorix lorisona</i>	Coffee Playboy Bunso and Wli Falls. 2011.]
<i>Polyommatainae</i>	
<i>Anthene rubricinctus</i>	Indigo Ciliate Blue Several at Bobiri.
<i>Anthene sylvanus</i>	Common Indigo Ciliate Blue Bobiri and several at Wli Falls.
<i>Anthene liodes</i>	Light Ciliate Blue 1 at Bobiri.
<i>Anthene princeps</i>	Coppery Ciliate Blue Near Nkawkaw.
<i>Anthene lunulata</i>	Red-spot Ciliate Blue Near Nkawkaw.
[<i>Anthene irumu</i>	Irumu Ciliate Blue Probably this species at Aboabo. 2011.]
<i>Anthene larydas</i>	Common Ciliate Blue Common. One of the most widespread Lycaenids.
[<i>Anthene crawshayi</i>	Crawshay's Ciliate Blue 1 at Wli Falls. 2011.]
<i>Anthene lachares</i>	Silky Ciliate Blue A female at Bobiri.
<i>Anthene lysicles</i>	Violet-spotted Ciliate Blue 1 at Bunso Arboretum.
<i>Neurellipes chryseostictus</i>	Medium Red-spot Ciliate Blue A female at Aboabo 2011. Possibly seen 2013 too.
<i>Triclema lamias</i>	Blotched Ciliate Blue Aboabo.
<i>Pseudonacaduba sichela</i>	African Line Blue Several at Aboabo, Bobiri, and near Nkawkaw.
<i>Lampides boeticus</i>	Long-tailed Blue 2 in the open area at Bobiri.
<i>Uranothauma falckensteini</i>	Lowland Branded Blue Rather common this visit, and seen at several sites.
<i>Phlyaria cyara ssp.stactalla</i>	Pied Blue A few mud puddling at Wli Falls.
<i>Cacyreus lingeus</i>	Common Bush Blue Scattered records, seen on 8 days.
<i>Cacyreus audeoudi</i>	Bright Bush Blue Possibly present as well as the former.
<i>Leptotes</i> sp.	Only Accra this visit. Dissection necessary for positive id. The following species occur.
<i>Leptotes pirithous</i>	Common Zebra Blue
<i>Leptotes babaulti</i>	Babault's Zebra Blue
<i>Leptotes jeanneli</i>	Jeannel's Zebra Blue
<i>Leptotes brevidentatus</i>	Tite's Zebra Blue

<i>Leptotes pulchra</i>	Beautiful Zebra Blue
<i>Tuxentius carana</i> ssp. <i>kontu</i>	Forest Pied Pierrot
	Widespread and reasonably common. Seen on six days.
<i>Eicochrysops hippocrates</i>	White-tipped Cupid
	Widespread in small numbers, e.g. Ankasa.
<i>Euchrysops malathana</i>	Smoky Bean Cupid
	Scarcer than usual this visit. A few in open areas at Ankasa, Brenu, and Wli area.
<i>Euchrysops osiris</i>	African Cupid
	Brenu Beach road.
<i>Lepidochrysops quassi</i>	Tailed Blue Giant Cupid
	This impressive species at Afadjato, 2013.
<i>Thermoniphas micyclus</i>	Common Chalk Blue
	Widespread, common this visit.
<i>Oboronia punctatus</i>	Common Ginger White
	Widespread and locally common associated with the ginger host plants.
[<i>Oboronia liberiana</i>	Liberian Ginger White
	Aboabo. 2011.]
<i>Oberonia pseudopunctatus</i>	Light Ginger White
	A few at Wli Falls.
<i>Oboronia guessfeldti</i>	Gussfeldt's Ginger White
	Bobiri and Wli Falls.
<i>Oboronia ornata</i>	Untailed Ginger White
	Several at Wli and near Nkawkaw.
<i>Azanus mirza</i>	Pale Babul Blue
	Widespread and reasonably common.
<i>Azanus isis</i>	White-banded Babul Blue
	Ankasa and Wli Falls.
<i>Zizeeria knysna</i>	African Grass Blue
	Scattered records.
<i>Zizina antanossa</i>	Dark Grass Blue
	Ankasa, Brenu Beach road, etc.
<i>Zizula hylax</i>	Tiny Grass Blue
	Near Nkawkaw.

Nymphalidae

Libytheinae

<i>Libythea labdaca</i>	African Beak
	2013. In small numbers at Aboabo, Bobiri, Bunso, and Wli.
	2011. Common at Aboabo. Abundant at Bobiri. Only a very few elsewhere.
	2009, many at Bobiri. 1 near Nkawkaw.
	2008, small numbers this year at Kakum, Antikwa, and Wli Falls, but many at Bobiri. Large numbers witnessed on several trips.

Danainae

<i>Danaus chrysippus</i>	Common Tiger
	Widespread in small numbers. All seen were of the form <i>alcippus</i> .

<i>Tirumala petiverana</i>	African Blue Tiger Bunso Arboretum.
<i>Amauris niavius</i>	Friar Widespread in small numbers.
<i>Amauris tartarea</i>	Monk Ankasa, Bobiri, Kwahu. 2013.
<i>Amauris damocles</i>	Small Monk Aboabo and Afadjato.
Satyrinae	
<i>Gnophodes betsimena</i> ssp.parmeno	Yellow-banded Evening Brown In small numbers at Bobiri and one at Wli.
[<i>Melanitis leda</i>	Common Evening Brown Near Nkawkaw. 2011.]
<i>Elymniopsis bammakoo</i>	African Palmfly Several at Wli and Afadjato.
<i>Bicyclus xeneas</i> ssp.occidentalis	Stately Bush Brown A female at Bobiri.
[<i>Bicyclus evadne</i>	Small Stately Bush Brown Aboabo. 2011.]
<i>Bicyclus italus</i>	Large Bush Brown 2 at Wli.
<i>Bicyclus procora</i>	Cinnamon Bush Brown Ankasa.
<i>Bicyclus nobilis</i>	Noble Bush Brown 1 of this fine species at Ankasa, 2013.
<i>Bicyclus taenias</i>	Grey Bush Brown Several at Ankasa, also Kwahu.
<i>Bicyclus vulgaris</i>	Vulgar Bush Brown Seen on the first two days, and probably elsewhere!
<i>Bicyclus dorothea</i>	Light Bush Brown Common and widespread. Seen almost daily.
<i>Bicyclus sandace</i>	Dark Vulgar Bush Brown Widespread in varied habitat, seen at most sites.
<i>Bicyclus sangmelinae</i>	Condamin's Bush Brown 1 at Bobiri, forewing margin almost straight.
[<i>Bicyclus mandanes</i>	Large Marbled Bush Brown 2 at Wli Falls. 2011.]
<i>Bicyclus auricruda</i>	Small Marbled Bush Brown Kwahu Escarpment and Wli Falls.
<i>Bicyclus abnormis</i>	Western White-tipped Bush Brown Bobiri 2013.
<i>Bicyclus safitza</i>	Common Savannah Bush Brown Scattered in savannah, e.g. Brenu, and disturbed areas of the forest zone.
<i>Bicyclus funebris</i>	Funereal Bush Brown A rather small individual at Afadjato.
[<i>Bicyclus istaris</i>	Velvet Bush Brown Kwahu Escarpment. 2011.]

<i>Bicyclus madetes</i>	Brown-spot Bush Brown Bobiri and Afadjato.
<i>Bicyclus martius</i>	Black Bush Brown Several at Ankasa.
<i>Hallelesis halyma</i>	Western Hallelesis 2 in swampy area outside forest at Ankasa.
<i>Ypthima doleta</i>	Common Ringlet Widespread and common in forest.
<i>Ypthimomorpha itonia</i>	Swamp Ringlet Brenu Beach road and on day 6.
Charaxinae	
<i>Charaxes varanes</i> ssp.volgensis	Pearl Charaxes Brenu, Bunso, and Wli.
<i>Charaxes fulvescens</i> ssp.senegala	Forest Pearl Charaxes 1 at Bobiri 2013.
<i>Charaxes protoclea</i>	Flame-bordered Charaxes Bobiri and Afadjato.
[<i>Charaxes boueti</i>	Bamboo Charaxes 1 in the Water Heights hotel garden at Wli. 2011.]
<i>Charaxes lucretius</i>	Common Red Charaxes Single male at Bobiri.
<i>Charaxes brutus</i>	White-barred Charaxes Bobiri.
<i>Charaxes tiridates</i>	Common Blue Charaxes A female at Aboabo, and probably this species in flight at Bunso.
[<i>Charaxes bipunctatus</i>	Two-spot Blue Charaxes A male at Bobiri. 2011.]
[<i>Charaxes numenes</i>	Lesser Blue Charaxes A female at Bobiri. 2011.]
[<i>Charaxes imperialis</i>	Imperial Blue Charaxes 1 at Bobiri. 2011.]
<i>Charaxes hadrianus</i>	Hadrian's White Charaxes 1 of this fine species at Ankasa seen by TGC. 2013.
[<i>Charaxes etesipe</i>	Blue-spotted Charaxes Only 1, at Bobiri. 2011.]
<i>Charaxes eupale</i>	Common Green Charaxes Rather widespread. Seen on 6 days.
<i>Charaxes subornatus</i> ssp.couilloudi	Ornate Green Charaxes Bobiri.
[<i>Charaxes anticlea</i>	Small Flame-bordered Charaxes A male at Bobiri. 2011.]
[<i>Charaxes hildebrandti</i> ssp.gillesi	Hildebrant's Charaxes 1 at Bobiri. Not seen there by us since September 2003. 2011.]
<i>Charaxes etheocles</i>	Demon Charaxes Bobiri.

<i>Charaxes virilis</i>	Blue Demon Charaxes Bobiri 2011, with a strong blue sheen to upperside. Perhaps present too in 2013. Several 'black charaxes' in flight there as usual.
<i>Charaxes cedreatis</i>	Green Demon Charaxes Wli Falls.
<i>Charaxes pleione</i>	Square-winged Red Charaxes Aboabo, several at Bobiri, Bunso, and Wli.
<i>Charaxes paphianus ssp.falcata</i>	Falcate Red Charaxes A few at Bobiri.
<i>Charaxes lycurgus</i>	Laodice Untailed Charaxes Nkawkaw, Bunso, and Wli Falls. 2013.
[<i>Euxanthe eurinome</i>	Common Forest Queen A female at Wli Falls. 2011.]
<i>Palla violinitens</i>	Violet-banded Palla A male and a female Bobiri.
[<i>Palla decius</i>	White-banded Palla Bobiri. 2011.]
<i>Palla ussheri</i>	Ussher's Palla Ankasa and Bobiri.
<i>Nymphalinae</i>	
<i>Kallimoides rumia</i>	African Leaf Butterfly 3 males and 2 females near Nkawkaw, all in fine condition, and a male at Bunso.
<i>Antanartia delius</i>	Forest Admiral Bobiri and Wli.
<i>Precis pelarga</i>	Common Commodore Scattered forest records.
[<i>Precis sinuata</i>	Wide-banded Commodore Aboabo, photo KN. 2011.]
<i>Hypolimnias misippus</i>	Diadem Scattered records, mostly males, but a few females seen, most surprisingly one along a forest track at Ankasa.
<i>Hypolimnias anthedon</i>	Variable Eggfly Bobiri and Kwahu.
<i>Hypolimnias dinarcha</i>	Large Variable Eggfly Ankasa.
<i>Hypolimnias salmaccis</i>	Blue Diadem Widespread in small numbers.
<i>Salamis cacta</i>	Lilac Beauty Aboabo.
<i>Protogoniomorpha cytora</i>	Western Blue Beauty Bobiri and Wli Falls.
<i>Protogoniomorpha parhassus</i>	Forest Mother-of-Pearl Widespread in small numbers in the forest zone.
<i>Protogoniomorpha anacardii</i>	Clouded Mother-of-Pearl 1 at the last lunch site next to the Volta.

<i>Junonia oenone</i>	Dark Blue Pansy Widespread and common in cleared areas in the forest zone.
[<i>Junonia hierta</i>	Yellow Pansy Accra. 2011.]
<i>Junonia sophia</i>	Little Commodore Widespread and common.
<i>Junonia stygia</i>	Brown Pansy Widespread, e.g. Ankasa, Bobiri and Volta region.
[<i>Junonia chorimene</i>	Golden Pansy Kakum, and Nkawkaw area. 2011.]
<i>Junonia terea</i>	Soldier Pansy Widespread and common.
[<i>Catacroptera cloanthe</i>	Pirate Near rest stop in disturbed habitat east of Kumasi (PGC). 2011.]
<i>Cyrestis camillus</i>	African Map Butterfly Bunso and Wli Falls.
<i>Byblia anvata ssp.crameri</i>	African Joker Rather widespread in disturbed areas.
<i>Mesoxantha ethosea</i>	Drury's Delight Bunso Arboretum and Volta Region. 2013.
<i>Ariadne enotrea</i>	African Castor Widespread in small numbers, at forest edge.
<i>Ariadne albifascia</i>	White-banded Castor Scattered records, e.g. Ankasa and Bobiri.
<i>Neptidopsis ophione</i>	Scalloped Sailer Widespread in open habitat.
[<i>Eurytela dryope</i>	Golden Piper Bobiri, and Volta region. 2011.]
<i>Eurytela hiarbus</i>	Pied Piper Bobiri and Afadjato.
<i>Limnitiidae</i>	
<i>Harma theobene</i>	Angular Glider A few at Bobiri.
[<i>Cymothoe fumana</i>	Scalloped Yellow Glider A female at Aboabo, and at Bobiri. 2011.]
<i>Cymothoe egesta</i>	Common Yellow Glider Ankasa and Bunso.
[<i>Cymothoe aubergeri</i>	Auberger's Yellow Glider Males at Kakum. 2011.]
<i>Cymothoe caenis</i>	Common Glider Only a few this year, Bobiri and Volta Region.
[<i>Cymothoe althea</i>	Western Glider A male at Aboabo. 2011.]
<i>Cymothoe jodutta</i>	Jodutta Glider A few at Ankasa.
<i>Cymothoe mabillei</i>	Western Red Glider Bobri.

<i>Cymothoe 'sangaris'</i>	Blood Red Glider A male at Bunso.
<i>Pseudoneptis bugandensis</i> <i>ssp. ianthe</i>	Blue Sailer Widespread in forests.
[<i>Pseudacraea eurytus</i>	Common False Acraea Bobiri. 2011.]
<i>Pseudacraea lucretia</i>	False Diadem A few in Volta region, whereas common at Afadjato in 2011.
<i>Pseudacraea warburgi</i>	Incipient False Acraea Several at Bobiri.
<i>Neptis nemetes</i>	Nemetes Sailer Kakum, Bobiri, and Bunso.
<i>Neptis metella</i>	Yellow-base Sailer Kakum, Bobiri and Bunso.
[<i>Neptis serena</i>	River Sailer Near Afadjato. 2011.]
<i>Neptis morosa</i>	Savannah Sailer Scattered records.
<i>Neptis puella</i>	Little Sailer Bobiri 2013.
<i>Neptis nysiades</i>	Variable Sailer A few at Bobiri.
<i>Neptis quintilla</i>	Angled Pretty Sailer Bobiri.
[<i>Neptis strigata</i>	Strigate Sailer Bobiri. 2011.]
<i>Neptis nicoteles</i>	Clubbed Sailer Ankasa.
[<i>Neptis nebrodes</i>	Broken-club Sailer Antikwa. 2011.]
<i>Neptis trigonophora</i> <i>ssp. melicertula</i>	Regular Club-dot Sailer Bobiri.
<i>Neptis agouale</i>	Common Club-dot Sailer Bobiri etc.
<i>Neptis melicerta</i>	Original Club-dot Sailer Wli and probably elsewhere.
<i>Neptis troundi</i>	Constricted Club-dot Sailer Very likely this species seen too.
<i>Catuna crithea</i>	Common Pathfinder Widespread forest records.
<i>Catuna oberthueri</i>	Oberthur's Pathfinder Ankasa and possibly elsewhere.
<i>Catuna angustatum</i>	Large Pathfinder Several in the Volta region.
<i>Euryphura chalcis</i>	Common Commander Wli Falls.
<i>Hamanumida daedalus</i>	Guinea fowl A few in savannah and disturbed areas in the forest zone.

<i>Aterica galene</i>	Forest Glade Nymph Widespread and often common in forests.
<i>Euriphene barombina</i>	Common Nymph Bobiri, and Volta region. Rather common.
<i>Euriphene veronica</i>	Veronica Nymph Rather common in Ankasa, the eastern limit of its range. 2013.
<i>Euriphene grose-smithi</i> <i>ssp. muehlenbergi</i>	Grose-Smith's Nymph A female of possibly this species seen at Ankasa, which would be an important record. Underside characteristically marbled white.
<i>Euriphene simplex</i>	Simple Nymph Bunso and possibly elsewhere.
<i>Euriphene amicia</i>	Friendly Nymph Several of both sexes at Wli Falls.
<i>Euriphene coerulea</i>	Western Nymph Ankasa and Bobiri.
<i>Euriphene gambiae ssp. vera</i>	Gambia Nymph Bobiri and Nkawkaw area.
<i>Euriphene ampedusa</i>	Common Brown Nymph Bobiri and Nkawkaw area.
<i>Euriphene leonis</i>	Sierra Leone Nymph Possibly seen at Ankasa, which would be an important record. Photo to be checked.
<i>Euriphene atossa</i>	Atossa Nymph Bobiri 2013.
<i>Bebearia lucayensis</i>	Plain Forester Bobiri.
<i>Bebearia tentyris</i>	Hewitson's Forester Common in forests.
<i>Bebearia osyris</i>	Winifred's Forester A male at Ankasa 2013.
[<i>Bebearia carshena</i>	Shining Blue Forester Bobiri. 2011.]
<i>Bebearia absolon</i>	Absolon Forester Scattered in forests, Bobiri, and near Nkawkaw.
<i>Bebearia zonara</i>	Light Brown Forester Widespread in forests.
<i>Bebearia mandinga</i>	Mandinga Forester Ankasa, Bobiri, near Nkawkaw, and Wli Falls.
<i>Bebearia oxione</i>	Banded Forester Widespread and locally rather common, as at Bobiri.
<i>Bebearia abesa</i>	Black Forester Bobiri.
<i>Bebearia barce</i>	Shining Green Forester 1 at Bunso 2013.
<i>Bebearia mardania</i>	Dark Palm Forester Scattered records.
<i>Bebearia cocalia</i>	Common Palm Forester Widespread in small numbers.

<i>Bebearia paludicola ssp.blandi</i>	Swamp Palm Forester Aboabo, and Bobiri.
<i>Bebearia sophus</i>	Sophus Forester Scattered forest records, Ankasa, Bobiri, Nkawkaw, and Volta region.
<i>Bebearia laetitia</i>	Laetitia's Forester Ankasa 2013.
<i>Bebearia phantasina</i>	Western Phantasia A male at Ankasa.
[<i>Bebearia demetra</i>	Grey Forester Mpraeso Escarpment, KN photo. 2011.]
<i>Euphaedra medon</i>	Widespread Forester Widespread and common in the forest zone.
<i>Euphaedra xypete</i>	Common Pink Forester A few at Bobiri and Ankasa.
<i>Euphaedra hebes</i>	Hebes Pink Forester 1 at Bobiri 2013.
<i>Euphaedra themis</i>	Common Themis Forester Rather common at Bobiri. Also Volta region.
[<i>Euphaedra modesta</i>	Modest Themis Forester Bobiri, KN photo. A scarce species. 2011.]
<i>Euphaedra janetta</i>	Janetta Themis Forester Bobiri, near Nkawkaw, and Wli Falls.
<i>Euphaedra ceres</i>	Ceres Forester Widespread and rather common.
<i>Euphaedra phaethusa</i>	Common Ceres Forester Bobiri, where rather common.
[<i>Euphaedra in anum</i>	Unmarked Ceres Forester A few at Bobiri. 2011.]
[<i>Euphaedra velutina</i>	Velvet Ceres Forester Bobiri, KN and JV photos. A rare species. 2011.]
<i>Euphaedra eleus</i>	Eleus Orange Forester 1 at Bobiri 2013.
<i>Euphaedra edwardsii</i>	Edwards' Forester A few at Bobiri and in Volta region.
[<i>Euphaedra ruspina</i>	Common Orange Forester c.3 of this fine species at Afadjato. 2011.]
<i>Euphaedra perseis</i>	Perseis Mimic Forester 1 at Bobiri.
<i>Euphaedra harpalyce</i>	Common Blue-banded Forester Widespread and rather common in forests.
<i>Euphaedra eupalus</i>	Western Blue-banded Forester 1 at Bobiri 2013.
<i>Euptera elabontas</i>	Common Euptera Bunso Arboretum.
[<i>Pseudathyma falcata</i>	Falcate False Sergeant A pair at Aboabo, 1 from Kakum canopy walkway. 2011.]

Heliconiinae

<i>Acraea circeis</i>	White Acraea A few at Nkawkaw and Bunso.
<i>Acraea peneleos</i>	Peneleos Acraea Wli Falls 2013.
<i>Acraea parrhasia</i>	Yellow-veined Acraea Ankasa and Bunso.
<i>Acraea pharsalus</i>	Pharsalus Acraea A few at Bobiri.
[<i>Acraea encedon</i>	Encedon Acraea Aboabo. 2011.]
<i>Acraea alciope</i>	Alciope Acraea Widespread in small numbers.
<i>Acraea aurivillii</i>	Large Alciope Acraea Probably present as well as the previous species. Genitalia examination necessary for positive identification.
<i>Acraea jodutta</i>	Jodutta Acraea Only at Wli Falls this visit.
<i>Acraea lycoa</i>	Lycoa Acraea Near Nkawkaw, Bunso, and Volta region.
<i>Acraea serena</i>	Small Orange Acraea Widespread in small numbers in disturbed areas. Previously known as <i>A.eponina</i> .
<i>Acraea acerata</i>	Small Yellow-banded Acraea Open areas at Ankasa.
<i>Acraea bonasia</i>	Bonasia Acraea Daily at Ankasa.
<i>Acraea orestia</i>	Orestia Glassy Acraea Near Nkawkaw and at Wli Falls. A scarce species.
<i>Acraea polis</i>	Western Musanga Acraea A few at Ankasa. Previously known as <i>A.pentapolis</i> .
<i>Acraea egina</i>	Elegant Acraea Widespread and reasonably common.
<i>Acraea pseudEGINA</i>	Abadima Acraea A few at Ankasa, also near Afadjato.
[<i>Acraea quirina</i>	Common Glassy Acraea 1 on Kwahu Escarpment. 2011.]
<i>Acraea neobule</i>	Wandering Donkey Disturbed areas at Ankasa, Brenu, etc.
<i>Acraea vestalis</i>	Smoky Bematistes Ankasa and Bobiri.
<i>Acraea macaria</i>	Black-spot Bematistes 1 at Bunso Arboretum 2013.
<i>Acraea umbra</i>	Clouded Bematistes Scattered records, seen on five days.
<i>Acraea alcinoe</i>	Alcinoe Bematistea Ankasa.

<i>Acraea epaea</i>	Common Bematistes Widespread and rather common.
<i>Lachnoptera anticlia</i>	Blotched Leopard Bobiri.
<i>Phalanta phalantha</i> ssp. <i>aethiopica</i>	Common Leopard Fritillary Scattered records.
<i>Phalanta eurytis</i>	African Leopard Fritillary Bobiri.

HESPERIOIDEA

Hesperiidae

Coeliadinae

<i>Coeliades chalybe</i>	Blue Policeman Kwahu Escarpment and Bobiri.
<i>Coeliades forestan</i>	Striped Policeman Kwahu Escarpment.
<i>Coeliades pisistratus</i>	Two Pip Policeman Ankasa.
<i>Pyrrhiades lucagus</i>	Western Blue Policeman A few records. 2013.
<i>Pyrrhochalcia iphis</i>	African Giant Skipper Widespread in small numbers.

Pyrginae

<i>Celaenorrhinus galenus</i>	Common Orange Sprite Ankasa, Kwahu Escarpment, and Bunso.
[<i>Celaenorrhinus proxima</i> ssp. <i>maesseni</i>	Common Black Sprite Probably this species seen briefly near Nkawkaw. 2011.]
<i>Celaenorrhinus plagiatus</i>	Berger's Black Sprite 1 at Ankasa, 2013.
<i>Tagiades flesus</i>	Clouded Flat Widespread and reasonably common.
<i>Eagris denuba</i>	Cream Flat Bobiri, Kwahu, and Volta region.
<i>Eagris subalbida</i>	Chocolate Flat Bobiri 2013.
<i>Eagris tetrastigma</i> ssp. <i>sublivescens</i>	Black Flat Bobiri.
[<i>Calleagris lacteus</i> ssp. <i>dannatti</i>	Milky Scarce Flat 1 at Bobiri. 2011.]
[<i>Procampta rara</i>	Rare Elf Afadjato. 2011.
<i>Eretis plistoncus</i>	Ghana Elf Recorded?
<i>Eretis melania</i>	Common Elf Nkawkaw area.

<i>Sarangesa laelius</i>	Grey Elfin A few records. Is this species colonising further into the forest zone?
<i>Sarangesa tertullianus</i>	Blue-dusted Elfin Ankasa. Strong dusting of light blue scales on all wings.
<i>Sarangesa thecla</i>	Common Elfin Widespread in small numbers.
<i>Sarangesa bouvieri</i>	Bouvier's Elfin Near Nkawkaw, Bunso, and Wli.
[<i>Sarangesa brigida</i>	Brigid's Elfin Kakum. 2011.]
<i>Abantis elegantula</i>	Elegant Paradise Skipper A tour highlight was 1 mud puddling at Wli Falls. Possibly 2 individuals were present.
<i>Spialia ploetzi ssp.occidentalis</i>	Forest Grizzled Skipper Several records from clearings in the forest zone.

Hesperiinae

<i>Astictopterus abjecta</i>	Abject Hopper A few in the Volta region.
<i>Prosopalpus styla</i>	Widespread Dwarf Skipper Wli Falls 2011. Also recorded 2013?
[<i>Gorgyra mocquerysii</i>	Mocquery's Leaf Sitter One trapped in Rainforest Lodge dining room (released!). 2011.]
<i>Gorgyra subfacatus</i>	Ochreous Leaf Sitter Bobiri.
<i>Gorgyra pali</i>	Pale Leaf Sitter Bunso Arboretum 2013.
<i>Gorgyra sp.</i>	A species seen at Wli Falls was unidentified. Photos?
<i>Ceratrachia phocion</i>	Common Forest Sylph Near Nkawkaw.
[<i>Ceratrachia semilutea</i>	Tufted Forest Sylph 1 on Kwahu Escarpment. 2011.]
[<i>Ceratrachia clara</i>	Clear Forest Sylph 1 at Bobiri. 2011.]
<i>Ceratrachia nothus</i>	White-winged Forest Sylph Bobiri.
<i>Ceratrachia argyrosticta</i>	Pearl-spotted Forest Sylph 1+ at Bobiri.
[<i>Teniorhinus watsoni</i>	Watson's Small Fox This species near Nkawkaw? 2011.]
[<i>Teniorhinus sp.</i>	Small Fox sp. 1 at Bobiri seen briefly and not identified to species. 2011.]
<i>Pardaleodes incerta ssp.murcia</i>	Savannah Pathfinder Skipper Recorded?
<i>Pardaleodes edipus</i>	Common Pathfinder Skipper Very common and widespread in the forest zone.
[<i>Pardaleodes sator</i>	Scarce Pathfinder Skipper Bobiri and near Nkawkaw. 2011.]

<i>Pardaleodes tibullus</i>	Large Pathfinder Skipper Kwahu Escarpment.
[<i>Xanthodisca rega</i>	Yellow-disk Skipper Singletons at Bobiri and Wli Falls. 2011.]
<i>Parosmodes lentiginosa</i>	Rare Morant Skipper 1 on Kwahu Escarpment 2013. A scarce species.
[<i>Rhabdomantis galatia</i>	Branded Large Fox On two days at Bobiri. 2011.]
<i>Osmodes laronia</i>	Large White-spots A few at Bobiri.
<i>Osmodes thora</i>	Common White-spots Only at Bobiri this year.
[<i>Osmodes adosus</i>	a white-spots Bobiri. 2011.]
[<i>Osmodes lindseyi</i> ssp. <i>occidentalis</i>	Black-tufted White-spots Wli Falls. 2011.]
<i>Paracleros</i> spp.	Dusky Darts. Recorded at several sites. Genitalia dissection is necessary for correct identification. the following four species occur.
<i>Paracleros placidus</i>	Western Dusky Dart
<i>Paracleros biguttulus</i>	Common Dusky Dart
<i>Paracleros substrigata</i>	Berger's Dusky Dart
<i>Paracleros maesseni</i>	Maessen's Dusky Dart
<i>Acleros ploetzi</i>	Plotz's Dusky Dart Widespread and reasonably common.
<i>Acleros mackenii</i> ssp. <i>olaus</i>	Macken's Dusky Dart Ankasa etc.
<i>Acleros nigrapex</i>	Powdered Dusky Skipper Wli Falls and possibly elsewhere.
<i>Acleros bala</i>	What appeared to be this at Bobiri. More extensive white on hindwing and abdomen than previous species.
<i>Semalea pulvina</i>	Branded Silky Skipper Bobiri.
<i>Semalea arela</i>	Brown Silky Skipper Possibly seen?
<i>Hypoleucis ophiusa</i>	Common Costus Skipper Ankasa and Wli Falls.
[<i>Hypoleucis tripunctata</i>	Unmarked Costus Skipper 1 at Bobiri, also seen there in the past. 2011.]
<i>Meza meza</i>	Common Missile Widespread and common.
[<i>Meza cybeutes</i> ssp. <i>volta</i>	Drab Three-spot Missile 1 near Nkawkaw. 2011.]
<i>Andronymus caesar</i>	Common Dart Scattered records.
<i>Andronymus</i> spp.	Darts Other species probably overlooked.

[<i>Artitropa comus</i>	Western Nightfighter Rainforest Lodge. 2011.]
[<i>Mopala orma</i>	Orma Mpraeso Escarpment. 2011.]
[<i>Gretna waga</i>	Common Crepuscular Skipper 1 near Nkawkaw. 2011.]
<i>Gretna cylinda</i>	Lesser Crepuscular Skipper 2 at Wli Falls.
[<i>Pteroteinon laufella</i>	Blue Red-eye Bobiri, Bunso, and Volta region. 2011.]
[<i>Pteroteinon iricolor</i>	Green-winged Red-eye 1 at Bobiri (PGC). 2011.]
<i>Pteroteinon caenira</i>	White-banded Red-eye Ankasa and Bobiri.
[<i>Pteroteinon pruna</i>	Evan's Red-eye Bobiri, JV photo. 2011.]
<i>Monza alberti</i>	Black Grass Skipper Scattered records 2011. Surely present 2013?
[<i>Monza cretacea</i>	White-bodied Grass Skipper Seen on Kwahu Escarpment? 2011.]
[<i>Melphina tarace</i>	Scarce Forest Swift Bobiri, KN photo. A rare species. 2011.]
<i>Fresna netopha</i>	Common Acraea Skipper 1 near Nkawkaw.
<i>Fresna nyassae</i>	Variegated Acraea Skipper 1 at Bunso Arboretum 2013. A scarce species.
<i>Borbo fanta</i>	Twin-spot Swift Bobiri 2011. Possibly 2013 too.
<i>Borbo fatuellus</i>	Foolish Swift Scattered records.
[<i>Parnara monasi</i>	Water Watchman 1 at Antikwa. 2011.]
[<i>Gegenes niso ssp.brevicornis</i>	Plain Hottentot Skipper Kakum area. 2011.]

Systematic List Number 2 Mammals

The nomenclature and taxonomic order are taken from 'The Kingdon Field Guide to African Mammals' by Jonathan Kingdon (1997).

Lowe's Monkey	<i>Cercopithecus (mona) lowei</i>	Heard at Ankasa.
Demidoff's Galago	<i>Galagoides demidoff</i>	Seen and heard at night at Bobiri.
Straw-coloured Fruit Bat	<i>Eidolon helvum</i>	Vast numbers roosting on cliffs at Wli Falls, and in the air over the Ankobra Beach Resort at dusk.
Butterfly Bat species	<i>Chalinolobus</i> sp.	A dead individual at Ankasa.
Leaf-nosed Bat species	<i>Hipposideros</i> sp.	One at Wli Falls. Several species in range.
Bat spp.		Various other insectivorous bats noted.
Striped Ground Squirrel	<i>Euxerus erythropus</i>	1 at Elmina.
Green Squirrel	<i>Paraxerus poensis</i>	Possibly this species seen by some at Ankobra.
Marsh Cane Rat	<i>Thryonomys swinderianus</i>	A few offered for sale as bushmeat along the roadsides in the forest zone.
rodent spp.		A few small rodents seen briefly, and unidentified.
Tree Hyrax	<i>Dendrohyrax dorsalis</i>	Heard at night at Bobiri.
African Elephant	<i>Loxodonta africana</i>	Sign at Ankasa.
Maxwell's Duiker	<i>Cephalophus monticola</i>	Seen offered as bushmeat on roadsides.

Systematic List Number 3 Birds

The nomenclature and taxonomic order are taken from 'Birds of Ghana' by Nik Borrow and Ron Demey, Helm 2010, the standard field guide. Basically the forest zone is given as south of Techiman and west of Accra and the forest-savannah transition zone implies areas north of Techiman to around Kintampo and wooded savannah to the north of there. The Volta Region is the area to the east of Lake Volta, bordering Togo. The tour in 2013 was primarily a butterfly tour, and much less attention was given to birds than on our standard Ghana itinerary. Thus this bird list is significantly shorter than is usual, with many productive bird sites such as Panbros Salt pans, and Mole National Park, not being part of the tour.

Little Grebe	<i>Podiceps ruficollis</i>	1 near Ankasa.
Long-tailed Cormorant	<i>Phalacrocorax africanus</i>	Elmina and Volta region.
White-backed Night Heron	<i>Gorsachius leuconotus</i>	1 in flight near Likpe.
Cattle Egret	<i>Bubulcus ibis</i>	Widespread.
Western Reef Heron	<i>Egretta gularis</i>	Elmina area.
Hooded Vulture	<i>Necrosyrtes monachus</i>	Widespread and very common.
Harrier-Hawk	<i>Polyboroides typus</i>	A few records.
Black-shouldered Kite	<i>Elanus caeruleus</i>	Coastal zone and Volta Region.
Yellow-billed Kite	<i>Milvus migrans parasitus</i>	Widespread and very common.
Lizard Buzzard	<i>Kaupifalco monogrammicus</i>	A few in the Volta region.
African Goshawk	<i>Accipiter tachiro</i>	An immature at Ankobra, perhaps a surprising record.
Red-necked Buzzard	<i>Buteo auguralis</i>	A few records.
Cassin's Hawk Eagle	<i>Spizaetus africanus</i>	Over forest at Bobiri.
Common Kestrel	<i>Falco tinnunculus</i>	A few along the coast.
Lanner	<i>Falco biarmicus</i>	1 near Ankasa.
Grey Kestrel	<i>Falco ardosiaceus</i>	Elmina.
Double-spurred Francolin	<i>Francolinus bicalcaratus</i>	Elmina and Volta region.
Black Crake	<i>Amaurornis flavirostra</i>	Ankasa.
Whimbrel	<i>Numenius phaeopus</i>	Elmina.
Royal Tern	<i>Sterna maxima</i>	Cape Coast area.
Blue-spotted Wood-Dove	<i>Turtur afer</i>	Widespread in the forest and along coast.
Tambourine Dove	<i>Turtur tympanistris</i>	Scattered in forest zone. Heard often.
Blue-headed Wood Dove	<i>Turtur brehmeri</i>	Heard in forests, e.g. Bobiri.
African Green Pigeon	<i>Treron calvus</i>	Locally common in forests.
Rock Dove	<i>Columba livia</i>	Feral Pigeon, towns.
Red-eyed Dove	<i>Streptopelia semitorquata</i>	Widespread and common.
Laughing Dove	<i>Streptopelia senegalensis</i>	Widespread and common.
Green Pigeon	<i>Treron australis</i>	Locally common in forests.
Red-headed Parrot	<i>Poicephalus guthriei</i>	Flying over at Bobiri.
Green Turaco	<i>Tauraco persa</i>	Heard at various sites, seen at Elmina.
Yellow-billed Turaco	<i>Tauraco macrorhynchus</i>	Ankasa.
Western Grey Plantain-eater	<i>Crinifer piscator</i>	Scattered records.
Olive Long-tailed Cuckoo	<i>Cercococcyx olivinus</i>	Heard commonly at Ankasa.
Black Cuckoo	<i>Cuculus clamosus</i>	Heard at Ankasa, Bobiri, etc.

Klaas' Cuckoo	<i>Chrysococcyx klaas</i>	A few seen. Heard often. A fledgling being fed by a Splendid Sunbird near the Volta.
Didric Cuckoo	<i>Chrysococcyx caprius</i>	Heard at various sites.
African Emerald Cuckoo	<i>Chrysococcyx cupreus</i>	Heard almost daily in the forest zone.
Yellowbill	<i>Ceuthmochares aereus</i>	Bobiri and Volta region.
Senegal Coucal	<i>Centropus senegalensis</i>	Widespread in small numbers.
Black-throated Coucal	<i>Centropus leucogastor</i>	Heard at Bobiri, seen near Afadjato.
African Wood Owl	<i>Ciccaba woodfordi</i>	Heard at night at Bobiri.
Mottled Spinetail	<i>Telacanthura ussheri</i>	Several over grassland at Elmina.
African Palm Swift	<i>Cypsiurus parvus</i>	Scattered records.
White-rumped Swift	<i>Apus caffer</i>	A few at Elmina.
Little Swift	<i>Apus affinis</i>	Scattered records, often numerous.
African Pygmy Kingfisher	<i>Ceyx picta</i>	Ankasa and Kwahu.
Shining-Blue Kingfisher	<i>Alcedo quadribrachys</i>	1 seen very well at Ankasa.
Chocolate-backed Kingfisher	<i>Halcyon badia</i>	Ankasa.
Blue-breasted Kingfisher	<i>Halcyon malimbica</i>	1 at Bunso.
Woodland Kingfisher	<i>Halcyon senegalensis</i>	Widespread in small numbers.
Pied Kingfisher	<i>Ceryle rudis</i>	A few wetland records.
Giant Kingfisher	<i>Ceryle maxima</i>	A female at Ankasa.
European Bee-eater	<i>Merops apiaster</i>	10+ near Afadjato.
Blue-bellied Roller	<i>Coracias cyanogastor</i>	Volta Region.
African Grey Hornbill	<i>Tockus nasutus</i>	Volta Region.
African Pied Hornbill	<i>Tockus fasciatus</i>	Widespread and common.
Piping Hornbill	<i>Bycanistes fistulator</i>	Ankobra and Volta region.
White-crested Hornbill	<i>Tropicranus albocristatus</i>	Heard at Ankasa.
Yellow-rumped Tinkerbird	<i>Pogoniulus bilineatus</i>	A few in the forest zone.
Yellow-throated Tinkerbird	<i>Pogoniulus subsulphureus</i>	Heard in forests.
Speckled Tinkerbird	<i>Pogoniulus scolopaceus</i>	Heard often, seen occasionally.
Yellow-spotted Barbet	<i>Buccanodon duchailui</i>	Often heard. Seen at Nkawkaw.
Hairy-breasted Barbet	<i>Lybius hirsutus</i>	Heard only.
Vieillot's Barbet	<i>Lybius vieilloti</i>	1 in open area at Bobiri.
Double-toothed Barbet	<i>Lybius bidentatus</i>	Seen very well at Elmina.
Bristle-nosed Barbet	<i>Gymnobucco peli</i>	Aboabo.
Naked-faced Barbet	<i>Gymnobucco calvus</i>	Bobiri.
Gabon Woodpecker	<i>Dendropicos gabonensis</i>	A female near Likpe.
Lesser Striped Swallow	<i>Cecropis abyssinica</i>	Scattered records.
Mosque Swallow	<i>Cecropis senegalensis</i>	Ankobra area.
Barn Swallow	<i>Hirundo rustica</i>	Common and widespread.
African Pied Wagtail	<i>Motacilla aguimp</i>	Scattered records.
Slender-billed Greenbul	<i>Andropadus gracilirostris</i>	Kwahu.
Little Greenbul	<i>Andropadus virens</i>	Heard regularly in the forest zone. Seen occasionally, as at Elmina.
Yellow-whiskered Greenbul	<i>Andropadus latirostris</i>	A commonly heard species at Ankasa, Bobiri, and Wli.
Icterine Greenbul	<i>Phyllastrephus icterinus</i>	Ankasa.
Simple Leaflove	<i>Chlorocichla simplex</i>	Scattered records, e.g. Elmina. (Simple Greenbul)
Swamp Palm Greenbul	<i>Thescelocichla leucopleura</i>	Heard often, sometimes seen.

Common Bulbul	<i>Pycnonotus barbatus</i>	Widespread and common in all zones.
Finsch's Flycatcher Thrush	<i>Stizorhina finschi</i>	Heard at various sites, e.g. Ankasa.
African Thrush	<i>Turdus pelios</i>	Scattered records.
Northern Crombec	<i>Sylvietta brachyura</i>	Near Winneba.
Green Hylia	<i>Hylia prasina</i>	Heard often in forest, a few seen.
Singing Cisticola	<i>Cisticola cantans</i>	Elmina.
Short-winged Cisticola	<i>Cisticola brachypterus</i>	Brenu Beach road.
Tawny-flanked Prinia	<i>Prinia subflava</i>	Scattered records.
Sharpe's Apalis	<i>Apalis sharpii</i>	Kwahu.
Grey-backed Camaroptera	<i>Camaroptera brachyura</i>	Widespread.
Yellow-browed Camaroptera	<i>Camaroptera superciliaris</i>	Bobiri.
Dusky-blue Flycatcher	<i>Muscicapa comitata</i>	1 in open area at Ankasa.
Spotted Flycatcher	<i>Muscicapa striata</i>	Elmina.
Red-bellied Paradise Flycatcher	<i>Terpsiphone rufiventer</i>	Widespread in small numbers.
Chestnut-capped Flycatcher	<i>Erythrocercus mccallii</i>	Nkawkaw.
Chestnut Wattle-eye	<i>Dyaphorophyia castanea</i>	Ankasa.
Green-headed Sunbird	<i>Cyanomitra verticalis</i>	Near Volta bridge.
Olive Sunbird	<i>Cyanomitra olivacea</i>	Widespread in small numbers.
Buff-throated Sunbird	<i>Chalcomitra adelberti</i>	Wli Falls.
Collared Sunbird	<i>Hedydipna collaris</i>	Widespread.
Olive-bellied Sunbird	<i>Cinnyris chloropygius</i>	Widespread.
Johanna's Sunbird	<i>Cinnyris johannae</i>	Bobiri.
Splendid Sunbird	<i>Cinnyris coccinigastrus</i>	Elmina and Volta. A pair at the latter were feeding a Klaas's Cuckoo.
Copper Sunbird	<i>Cinnyris cupreus</i>	Scattered records.
Common Fiscal	<i>Lanius collaris</i>	Scattered records.
Marsh Tchagra	<i>Bocagia minuta</i>	Elmina.
Black-crowned Tchagra	<i>Tchagra senegalus</i>	Elmina.
Yellow-crowned Gonolek	<i>Laniarius barbarus</i>	Heard at Brenu. Seen at Elmina.
Black-winged Oriole	<i>Oriolus nigripennis</i>	Scattered records.
Shining Drongo	<i>Dicrurus atripennis</i>	Ankasa.
Velvet-mantled Drongo	<i>Dicrurus modestus</i>	Widespread in forest zone.
Piapiac	<i>Ptilostomus afer</i>	One flock in the Volta region.
Pied Crow	<i>Corvus albus</i>	Widespread and common.
Forest Chestnut-wing Starling	<i>Onychognathus fulgidus</i>	Bunso Arboretum.
Splendid Glossy Starling	<i>Lamprotornis splendidus</i>	Widespread in small numbers.
Northern Grey-headed Sparrow		<i>Passer griseus</i> Widespread and common.
Village Weaver	<i>Ploceus cucullatus</i>	Widespread and common.
Yellow-mantled Weaver	<i>Ploceus tricolor</i>	Bobiri.
Vieillot's Black Weaver	<i>Ploceus nigerrimus</i>	Brenu, Elmina, and Bobiri. (Chestnut and Black Weaver)
Compact Weaver	<i>Pachyphantes superciliosus</i>	A few in Volta Region.
Crested Malimbe	<i>Malimbus malimbicus</i>	Ankasa.
Red-vented Malimbe	<i>Malimbus scutatus</i>	In canopy at Bobiri.
Red-headed Malimbe	<i>Malimbus rubricollis</i>	Bunso and Wli.
Yellow-mantled Widowbird	<i>Euplectes macroura</i>	Scattered records, breeding plumage.
Northern Red Bishop	<i>Euplectes franciscanus</i>	Scattered records, breeding plumage.
Black-winged Red Bishop	<i>Euplectes hordeaceus</i>	Widespread in grasslands, breeding plumage.

Grey-headed Negrofinch	<i>Nigrita canicapillus</i>	Widespread in forest. Heard often.
Chestnut-breasted Negrofinch	<i>Nigrita bicolor</i>	Near Winneba.
Bar-breasted Firefinch	<i>Lagonosticta rufopicta</i>	Elmina etc.
Blue-billed Firefinch	<i>Lagonosticta rubricata</i>	Brenu.
Orange-cheeked Waxbill	<i>Estrilda melpoda</i>	A few records, e.g. Bobiri open area, and Brenu.
Black-rumped Waxbill	<i>Estrilda troglodytes</i>	Elmina.
Bronze Mannikin	<i>Spermestes cucullata</i>	Widespread.
Black-and-White Mannikin	<i>Spermestes bicolor</i>	Scattered records, e.g. Aboabo.
Pin-tailed Whydah	<i>Vidua macroura</i>	Widespread and rather common.

Systematic List Number 4 Amphibians and Reptiles

Frogs		Several unidentified in 2011 and 2013.
Tree Frog species	<i>Hyperolius</i> sp.	
Toad species	<i>Bufo maculatus</i> <i>Bufo regularis</i>	Several records of this species? This species also recorded?
Foam Nest Frogs	<i>Chiromantis</i> sp.	Several 'foam nests' seen over puddles.
African Forest Terrapin	<i>Pelusios gabonensis</i>	2 or 3 young individuals at Ankasa.
Brook's Gecko	<i>Hemidactylus brooki</i> <i>Hemidactylus fasciatus?</i>	Common around habitation. This species probably also present.
Forest Dwarf Gecko	<i>Lygodactylus gutturalis</i>	Perhaps this species seen?
Speckle-lipped Skink a skink	<i>Mabuya maculilabris</i> <i>Mabuya affinis</i>	Scattered records. This species seen too?
Orange-flanked Skink	<i>Mabuya perrotetii</i>	This species seen too?
Red-flanked Skink	<i>Lygosoma fernandi</i>	Forest.
Blue-tailed Gliding Lizard	<i>Holaspis guentheri</i>	This was the very attractive lizard on a tree trunk at Afadjato.
Agama	<i>Agama agama</i>	Widespread.
Forest Monitor	<i>Varanus ornatus</i>	1 at Ankasa.
Spotted Blind Snake	<i>Typhlops punctatus</i>	1 fine individual at Wli Falls, 2011.
Snake sp.		Two uniform brown snakes at Ankasa were unidentified.

Systematic List Number 5 Dragonflies

The following dragonflies were seen on the 2011 tour. Most were probably again present this year, when certainly others were seen and await identification from photographs, most notably a large gomphid at Ankasa.

Waxtail - *Ceriagrion glabrum*
Suave Citril - *Coenagrion suave*
Farmbush Sprite - *Pseudagrion melanicterum*
Western Featherleg - *Platycnemis guttifera*
Western Bluewing - *Sapho ciliate*
Flashwing - *Phaon iridipennis*
Red-veined Dropwing - *Trithemis arteriosa*
Violet Dropwing - *Trithemis annulata*
Halfshade Dropwing - *Trithemis aconita*
St Lucia Widow - *Palpopleura lucia*
Portia Widow - *Palpopleura portia*
Northern Banded Groundling - *Brachythemis impartita*
Grizzled Pintail - *Acisoma panorpoides*
Stream Junglwatcher - *Neodythemis klingi*
Robust Jungle-skimmer - *Hadrothemis coacta*
Variable Jungleskimmer - *Hadrothemis versuta*
Black Percher - *Diplacodes lefeborii*
Epaulet Skimmer - *Orthetrum chrysostigma*
Dark-shouldered Skimmer - *Orthetrum hintzi*
Julia Skimmer - *Orthetrum julia*

Ghana Plant List

This list is of a small number of the many plants seen on the tour. It is intended as a framework to be added to and updated. The book 'A Handbook of West African Flowers' by H.N.Saunders is especially useful in naming many of the commoner species. The five volume 'Flora of West Africa' is the standard work.

Lauraceae

Cassytha filiformis A climbing leafless semi-parasite.

Nymphaeaceae

Nymphaea maculata A water-lily.

Capparidaceae

Cleome ciliata A weed, scattered records.
Ritcheia reflexa A shrub. Solitary flowers with long projecting stamens.

Violaceae

Hybanthus enneaspermus A herb. Flowers with one conspicuous petal. Ankasa.

Polygalaceae

Polygala arenaria Herb with tiny flowers.

Crassulaceae

Bryophyllum pinnatum Stout succulent with tubular pendulous flowers.

Portulacaceae

Portulaca oleracea
Portulaca quadrifida

Polygonaceae

Polygonum spp.

Amaranthaceae

Celosia argentea
Alternanthera repens
Alternanthera sessilis

Zygophyllaceae

Tribulus maximus
Tribulus grandiflora

Nyctaginaceae

Boerhavia diffusa A common weed. Tiny red-purple flowers.
Mirabilis jalapa Red or yellow showy flowers that open in the afternoon.

Cochlospermaceae

Cochlospermum tinctorium Striking yellow flowers arising from soil at Mole, on recently burnt ground. The vegetative growth appears later.

Passifloraceae

Passiflora foetida

Passiflora spp.

Cucurbitaceae

Luffa aegyptiaca

Momordica charantia

Loofah. Common near villages.

African Cucumber.

Melastomataceae

Dissotis rotundifolia

A creeping herb with showy pink-purple flowers.

Widespread.

Other *Melastomataceae* were unidentified, e.g. a large flowered species at Ankasa.

Combretaceae

Combretum racemosum

A shrub with reddish flowers and showy white bracts.

Widespread in the forest zone.

Tiliaceae

Corchorus tridens

Malvaceae

Sida acuta

Sida rhombifolia

Urena lobata

Pale orange flowers. Widespread and common.

Pink flowers. Common at Bobiri.

Euphorbiaceae

Euphorbia hirta

Euphorbia heterophylla

A common weed.

Similar to *E.hirta* but larger, with larger leaves.

Caesalpiniaceae

Poinciana regia

Cassia fistula

Cassia occidentalis

Cassia alata

Cassia tora

Caesalpinia bonduc

Flamboyant or Flame of the Forest.

Indian Laburnum.

A widespread shrub.

An ornamental shrub. Locally common, as at Bobiri.

A widespread shrub.

A shrub with many prickles. The seeds are used in the game 'Ware'.

Mimosaceae

Mimosa pudica

Acacia pennata

Sensitive Plant. Widespread and abundant.

Common in forests.

Leguminosae

Crotalaria spp.

Clitoria ternatea

Erythrina senegalensis

Desmodium spp.

Widespread and very common.

A small tree with red flowers.

Several present.

Moraceae

Musanga cecropioides

A common tree of forest clearings that resembles the Neotropical genus *Cecropia*.

Urticaceae

Urtica sp.

A nettle seen at Owabi in the past.

Loranthaceae

Phragmanthera nigriflora

African Mistletoe.

Balanophoraceae

Thonningia sanguinea

A parasite, with red scales surrounding the tiny flowers. Terrestrial. Seen in forests at Bobiri and Afadjato.

Apocynaceae

Strophanthus sarmentosus

This, or possibly *S.preussii*, was the shrub with striking white and purple flowers that have long 'tails'. The buds are long, pointed, and twisted.

Asclepiadaceae

Calotropis syriaca

Giant Milkweed.

Rubiaceae

Mussaenda sp.

Ankasa.

Compositae

Tridax procumbens

Synedrella nodiflora

Bidens pilosa

Aspilia africana

Emilia sonchifolia

Vernonia cinerea

Ageratum conyzoides

Ageratum sp.

Lactuca capensis

A native of America. A common weed.

A yellow flowered herb.

A common weed.

A large, yellow-flowered herb. Very attractive to butterflies.

Pale violet herb. Very common

A climbing species is very common and widespread.

Reddish-purple flowers.

Boraginaceae

Heliotropium indicum

Indian Heliotrope. A common weed.

Solanaceae

Solanum spp.

Several species noted.

Convolvulaceae

Quamoclit coccinea

A beautiful bright red climber. Very common in the forest zone.

Ipomoea kentrocarpa

Flowers yellow with a purple centre. Seen at Bobiri.

Ipomoea cairica

Purple flowers, with deeply divided leaves. Very common.

Ipomoea involucrata

Purple flowers and heart-shaped leaves. Very common.

Merremia angustifolia

Yellow flowers.

Pedaliaceae

Sesamum indicum

Sesame.

Acanthaceae

Justicia flava

Yellow flowers. Common in the forest zone.

Thunbergia erecta

Bobiri.

Elytraria acaulis

Widespread weed.

Verbenaceae

Lantana camara
Avicennia nitida
Stachytarpheta jamaicensis
Stachytarpheta angustifolia
Lippia multiflora

Widespread.
White Mangrove.
Widespread and common.
More slender than the above species.

Commelinaceae

Commelina benghalensis
Commelina vogelii
Commelina lagosensis
Cyanotis sp.

Widespread.

Zingiberaceae

Costus afer

Ginger Lily. Tall with yellowish or pink flowers.

Cannaceae

Canna indica

Red or orange flowers. Common near villages.

Araceae

Anchomanes difformis
Amorphophallus dracontioides

A tall aroid, with purplish spathe. Several at Bobiri in the past.
A very impressive aroid seen in the northern savanna in the past.

Amaryllidaceae

Haemanthus cinnabarinus

Fireball Lily. Seen at Kakum, Antikwa, Bobiri, and Owabi. Not in flower this year.

Crinum jagus

A large white lily. Bobiri in the past.

Liliaceae

Gloriosa superba

Bobiri. Volta region.

Orchidaceae

Eulophia guineensis

A terrestrial orchid in flower at Wli.