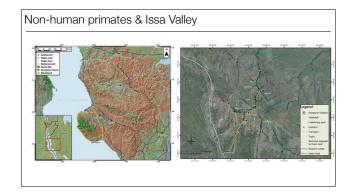


red tail monkeys, chimpanzees and baboons, will be the principal non-human primates species we will see.

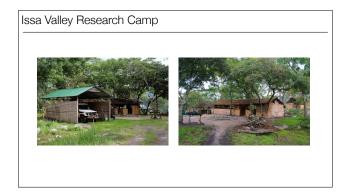


The field site in Issa Valley, Western Tanzania, GMERC, run by Dr Fiona Stewart and her husband Dr Alex Piel and her team.

Mambo woodland on ancient sand stone, wooded savannah with evergreen riparian forests. relatively high altitude (1550m almost as high as Denver, CO).



Location of site, both Issa valley and Mahale National Park



Research camp, located on one of the highest points, providing good acoustic overview. Chimpanzees are easiest found based on their very loud social vocalizations.



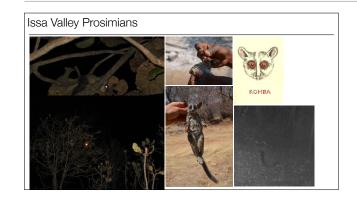
Dry season Valley and wet Season Valley



Korean Educational Broadcasting documentary on Sexual Selection featured Issa Valley in 2022.



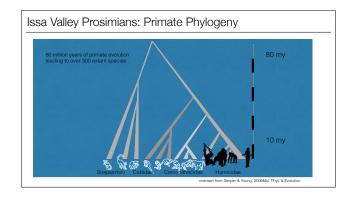
The Issa Team



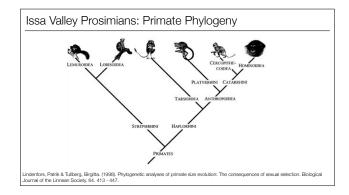
A bush baby (Galago). These nocturnal prosimians are absolutely amazing jumpers. Their eyes reflect flesh light beams, allowing them to be found relatively easily right outside the camp!



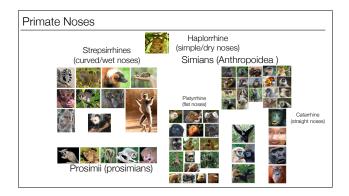
Otolemur, the grater Bushbaby, have a range of amazing call



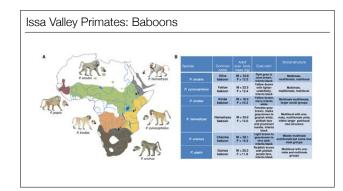
Prosimians: relatives of Lemurs (Madagascar) and Lorises (Asia)



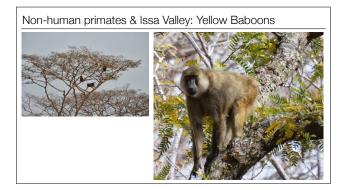
Primate phylogeny



Visual guide to the major primate taxonomic groups...all based on noses...



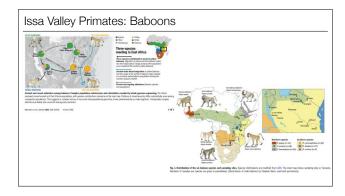
Baboon Taxonomy
Likely over 1 million baboons living in Africa.



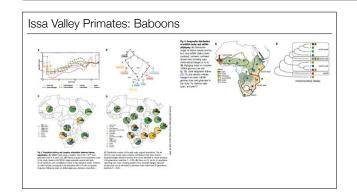
Yellow baboons on Issa on *Brachystegia* tree, with *Julbernardia* and *Isoberlinia*, these nitrogen fixing tree species define the Mambo ecosystem.



Yellow baboon cruising through camp at Issa



Recent genomic studies reveal three way hybridization



With complex patterns of admixture between neighboring species.



Cercopithecus ascanius: red tailed monkey, KIMA in Kiswahili



Kima eating a bush mango



more red tailed



Jim Moore seeing local chimpanzees for the first time!



Very brief encounter with a large male in 2014



video recording from 2016 which was recorded as our group was less than. 100 feet away



Grooming in Gombe



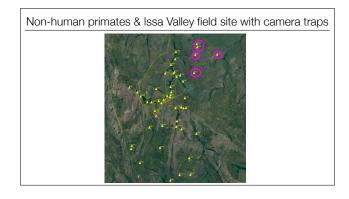
4 year old Google suckling from his mother Gaya



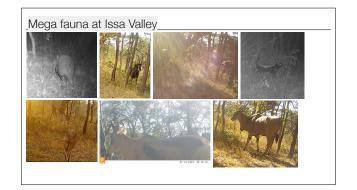
Red colobus in Gombe



Primates at Issa Valley



Aerial view of research site at Issa Valley with location of all camera traps



large animals passing by the Eastern most located camera traps: arvaark, Sable antelope, buffaloes, honey badger, bushbuck, hartebeest, eland



painted dogs

Issa Valley Wild Dogs



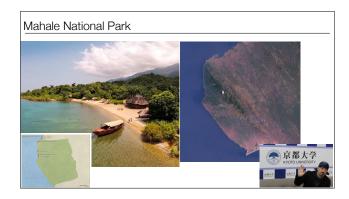
chimpanzee chasing away painted dog pack



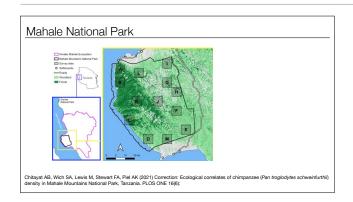
Modern snare in Tanzania. Ranger about to destroy the illegal hunting tool. Collected snare ropes from one day's patrol.



Shedrack inactivating a snare trap.



Mahale National park



Survey by Alex Piel and Colleague



# Mahale National Park

# Silver Greater Galago Otolemur crassicaudatus Kiswahili Komba Kitongwe: Mung anya



Description: The largest galago (bushbaby), Muzzle robust and blackish Ears large and pinkish inoide. Silvery-grey above and off-white to grey below. Tall long, full, and silver-grey.

Body weight: Adult females = 1.1 kg (range 0.9 - 1.6) kg. Adult males = 1.3 kg (range 1.0 - 1.5) kg.

Distribution: South and east of the Congo Basin. Throughout most of Tanzania.

Cercopithecus mitis Kiswahili: Kima Kitongwe: Nkima



### Red-tailed Monkey

Cercopithecus ascanius
Kiowahili: Nyani mwenye mkia mwekundu Kitongwe: Ndugulugu

Taxonomy: The subspecies found in Mahale Mountains National Park is Schmidt's red-tailed monkey Cercopthecus ascanius schmidt's



# Yellow Baboon Papio cynocephalus Kiswahili: Nyani Kisongwe: Nguje

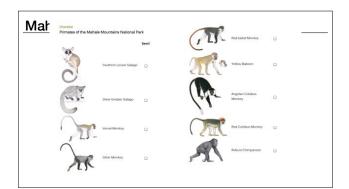


## Vervet Monkey Chlorocebus pygerythrus Kiswahili: Tumbili Kitongwe: Ijanda



Distribution: Eastern and southern Africa, Over most of Tanzania.

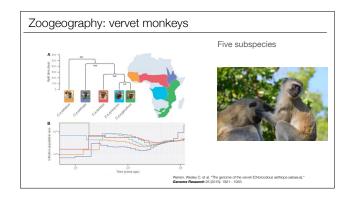




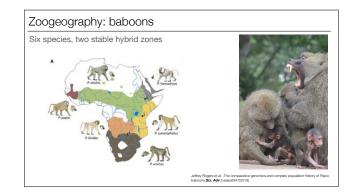
Primate check sheet for Mahale



Vervet moneys in Kigoma



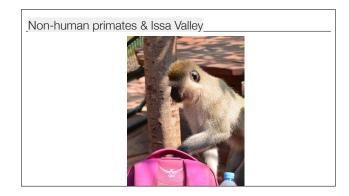
The phylogenetic tree, geographical distribution, and population history of vervet subspecies. (A) Subspecies relationships were obtained by applying a clustering algorithm to the pairwise distance matrix. The tree is rooted using rhesus macaque as an outgroup, and the estimated geographical distribution of each subspecies based on previous field studies used to characterize endangered species (www.iucnredlist.org) is displayed to the right. (B) The inferred effective population size across time (both on log-scale) for each subspecies sample inferred with the multiple sequentially Markovian coalescent (MSMC) software in two-haplotype mode (Schiffels and Durbin 2014).



(A) The appearance and current distribution of each baboon species, and the locations of three well-documented active hybrid zones are also shown. x1: hybrid zone between P. hamadryas and P. anubis (19, 28), x2: hybrid zone between P. cynocephalus and P. anubis (17, 26), x3: hybrid zone between P. kindae and P. ursinus (18). Drawings of each species by S. Nash. (B) Distinguishing features of Papio species. Body mass data from (16, 59) and unpublished data from J.P.-C., J.R., and C.J.J.



Vervet monkeys in Arusha, 4,500 feet (1400 meters)



Vervet inspecting luggage



Chimpanzee eating termite mushroom.