#### ANTH 42

The colobines: Ecological niches Falk: Ch. 7 pp. 173 - 188

# Quiz clock

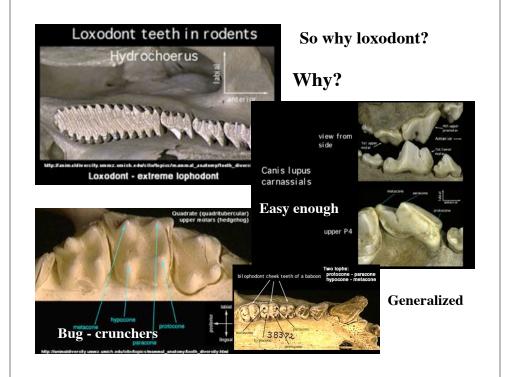
Minutes remaining: **ONE** 

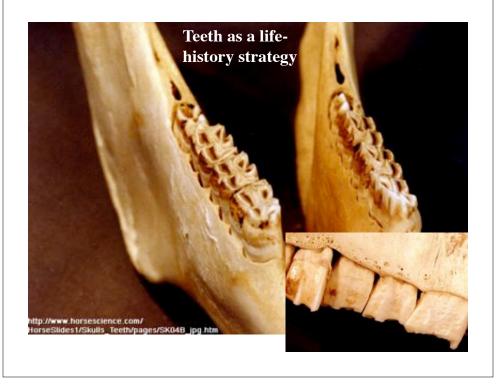
30 sec ...

5 4

3

2







White uakari (*Cacajao calvus calvus*) & white-faced saki (*Pithecia pithecia*) (yes, he calls the uakari a saki...)

Specialists at seed predation.

BBC Life of Mammals: Social Climbers



Gray-necked owl monkey or douroucouli (Aotus trivirgatus [maybe; 1 split to 10+ in early 1980s])

**Cathemeral populations; cryptic species** 

BBC Life of Mammals: Social Climbers



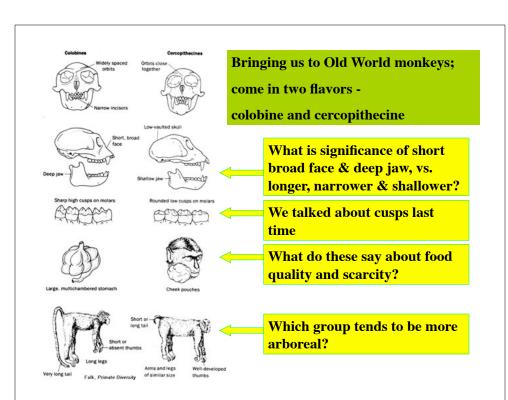
Howlers (*Alouatta ?pigra*) and spider monkeys (*Ateles* sp.)

BBC Cousins: The monkeys



Spider monkeys (*Ateles* sp.): ripe fruit specialists

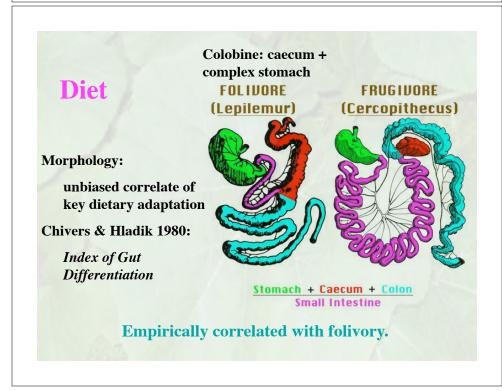
BBC Life of Mammals: The social climbers





Colobines: the OW howlers (?)

Life of mammals:
Social climbers







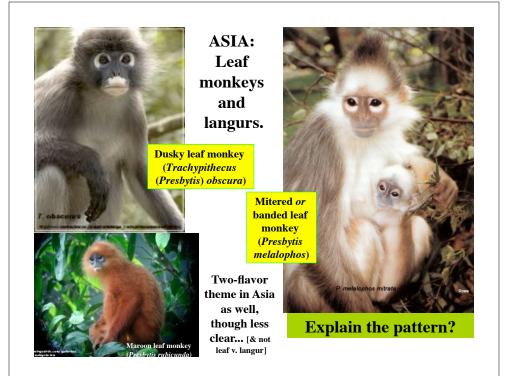
Sample is small, but what's your impression of activity levels of the two species shown? Compare 'medicinal' charcoal eating with *Cebus* fur rubbing. What's similar/different?

**African colobines** 

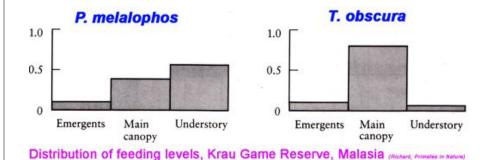
C. guereza (East Africa)

P. [pennantii] kirkii (Zanzibar)

Cousins: Monkeys



### Two leaf monkeys, compared



# Two leaf monkeys, compared

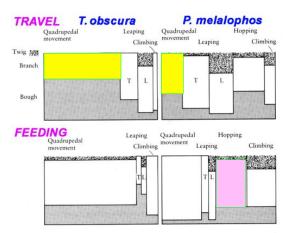


Figure 10.12 Distribution of locomotor patterns on different-sized supports during travel and feeding by *Presbytis obscura* and *P. melalophos*. Horizontal axis shows the contribution of different patterns in each kilometer of progression; vertical axis gives the proportion of that distance that is moved on different types of supports. (Adapted from Fleagle 1978a.) *Primates in Nature* 

Complex diagram

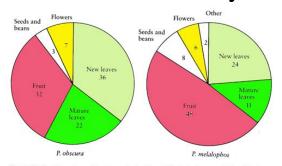
Type of locomotion

What locomoting on

P. obscura much more quadrupedal movement, but given quadrupedal, not big difference in what they do it on

T = tree, L = liana

# Two leaf monkeys, compared



Group structure

 $Both \ SM \ or \ MM$ 

**Group size** 

Dusky ~10

Mitered ~15

Figure 10.13 Proportions of food types in the diets of *Presbytis obscura* and *P. melalophos*. (Adapted from Curtin 1980.) A Richard, *Primatos in Naturo* 

Dusky leaf monkey (Trachypithecus obscura)

Mitered leaf monkey (Sumatran surili) (Presbytis melalophos) As with B&W vs. red colobus, the mature leaf eater's group size is smaller







Natal coats - change c. weaning.
WHY??
Colobines: allomothering and infanticide.

