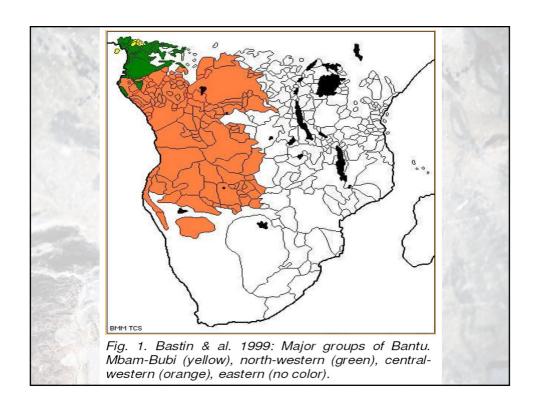
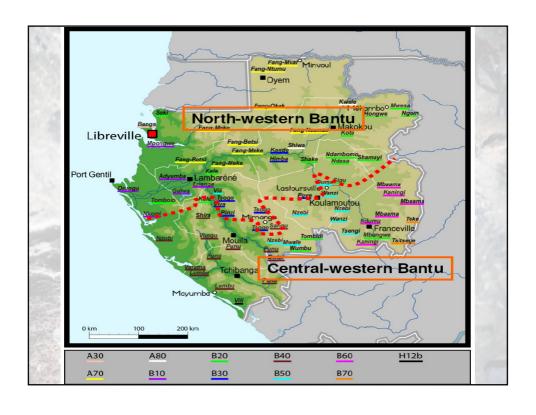


Goal of this paper is to confront oral tradition data concerning population migrations with (historical) linguistic and genetic data





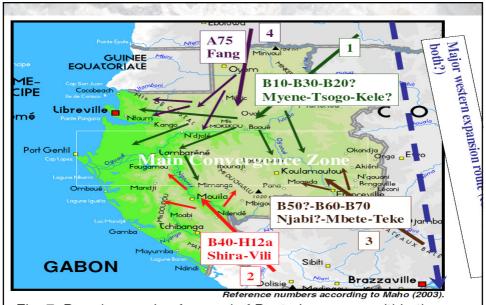


Fig. 7. Broad scenario of spread of Bantu languages within the Gabon area. Major dispersal waves and routes inferred from diachronic language studies and oral literature. Numbers indicate relative chronology.

## Fang local traditions

- ➤ Linguistic situation
- ➤ Migrations : Egyptian origin

## Early contacts with Fang populations

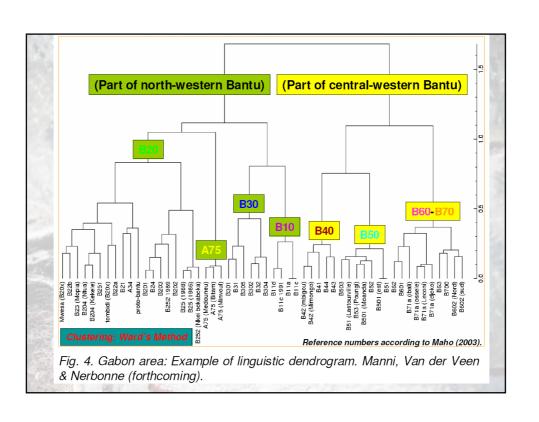
### Paul du Chaillu, 1863

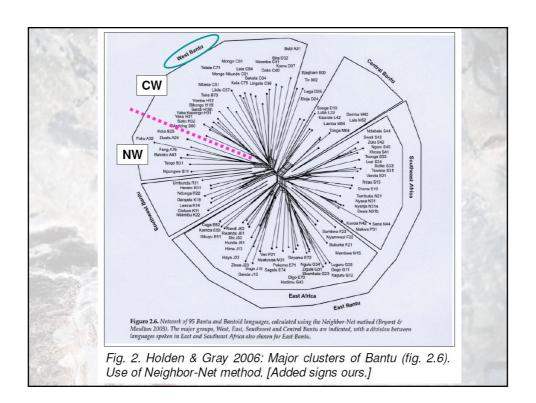
- «p. 443... Ces Fans appartiennent, comme je le supposais, à une famille qui diffère de la race nègre du littoral, aussi bien que des autres tribus que j'avais déjà vues
- ▶p. 467... tous les Fans, quand on leur demande d'où ils viennent, montrent le nord-est »

## Linguistic situation

- > Mostly monosyllabic words
- ➤ Rich tone system
- ➤ BUT regular linguistic changes from Proto-Bantu

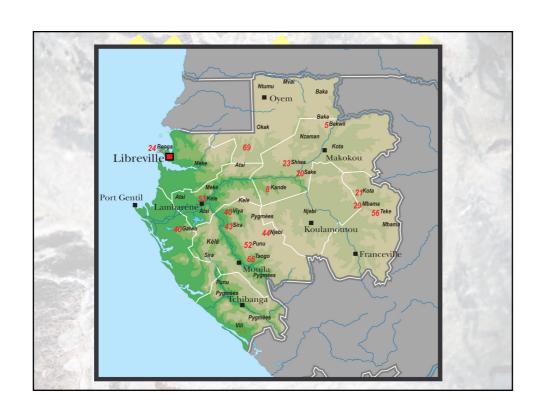
# Linguistic changes ➤ « pygmy » : betchü vs. Akoa from \*ba-koda - C1V1C2V2 > CVC - LL > L - HH > H - LH > R - HL > F

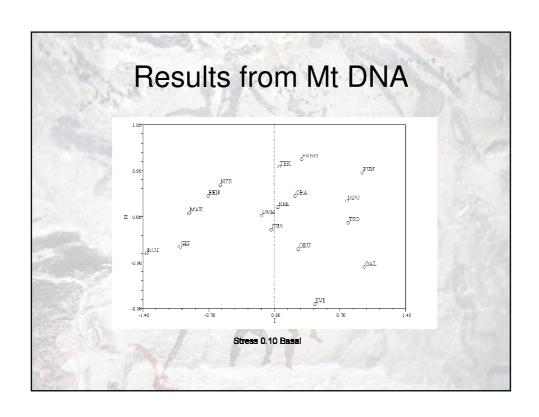




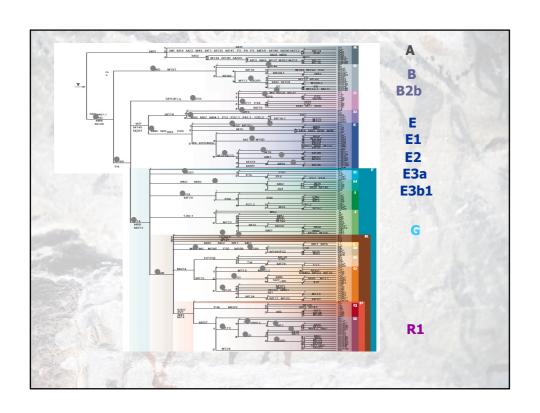
## Genetic study

- Large scale genetic study of gabonese populations from 2002-2005 :
  - (over 1000 samples from 18 ethnic groups)
- ➤ Interdisciplinary collaborations : genetics, linguistics, anthropology
- Choice of populations made on the basis of « historical » questions
- Choice of « subjects » on the basis of genealogies
- Data treated and analyzed in three laboratories (Franceville, Paris (Mt DNA), Barcelona (Y Chromo))





## Y chromo analysis ➤ 18 Y- STRs and 38 Y-SNPs on over 750 samples from the Gabon and Cameroon, comprising 22 Bantu groups and 3 Pygmy groups



## Main result of Y chromo analysis

➤ Presence of the non-African haplogroup R (including haplogroups R1b and R1\*) in the Fang population who claim an Egyptian origin (17%)

## Haplogroup R

Cruciani et al. have also identified the signature of a probable ancient migration from Asia into north Cameroon, in the form of a derived form of haplogroup R. This clade is not found in present-day western Eurasia or anywhere else in Africa, with the likely exception of Egypt (at 13%; see Scozzari et al.1999) but it occurs in north Cameroon at a frequency of 40%. »

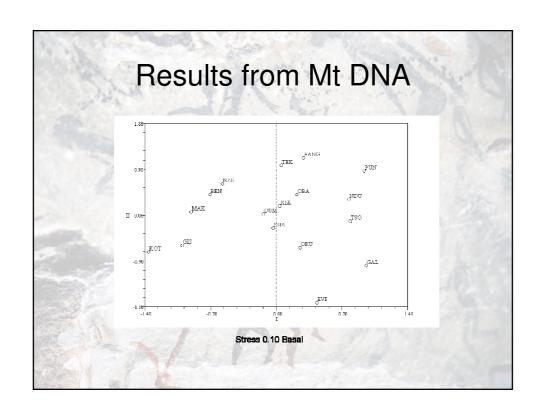
From Salas et al. 2002, AJHG, 1107

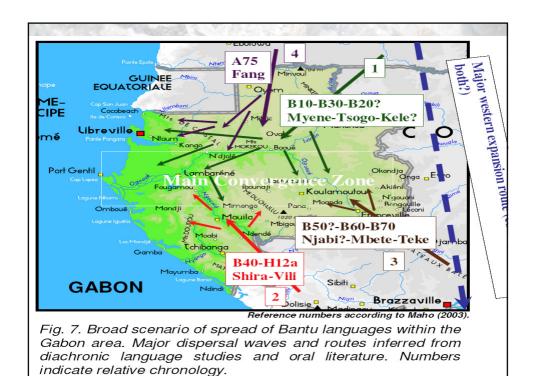
## Conclusion

- Linguistically: the Fang speak a bantu language
- ➤ Genetically: Fang populations belong to an haplogroup rarely encountered in this area but found in north Cameroon and Egypt...

## BUT...

a small number of other ethnic groups (Punu, Teke, Ndumu and Obamba) also show traces of this haplogroup, although these groups have very different oral traditions for their migrations.





## Conclusion (bis)

- ➤ The Fang enigma is partially solved but a new question is raised :
- ➤ Early common migrations (from the north and north-east) of populations which are now quite distinct in Gabon?