

# CHART 1

## HUMANS IN EASTERN AFRICA

TIMES  
(Years ago)  
(MILLIONS)

5.0 MIOCENE  
NOTE 1

4.8

4.6

4.4

4.2

4.0

3.8

3.6

3.4

3.2

3.0 PLIOCENE  
NOTE A

TERTIARY

2.8

2.6

2.4

2.2

2.0 NOTE B

1.8

1.6

1.4

1.2

TEMPERATURES  
TODAY  
LOWER | HIGHER

NOTE: Lines indicate estimated time of existence for each ancestor. Definite genealogical links have yet to be established.

Ardipithecus  
Ramidus  
(begins c 5.8M)

Australopithecus  
Anamensis

Australopithecus  
Afarensis

Kenyanthropus

Australopithecus  
Bahrelghazali

Paranthropus  
Aethiopicus

Australopithecus  
Africanus

Australopithecus  
Garhi

Paranthropus  
Boisei

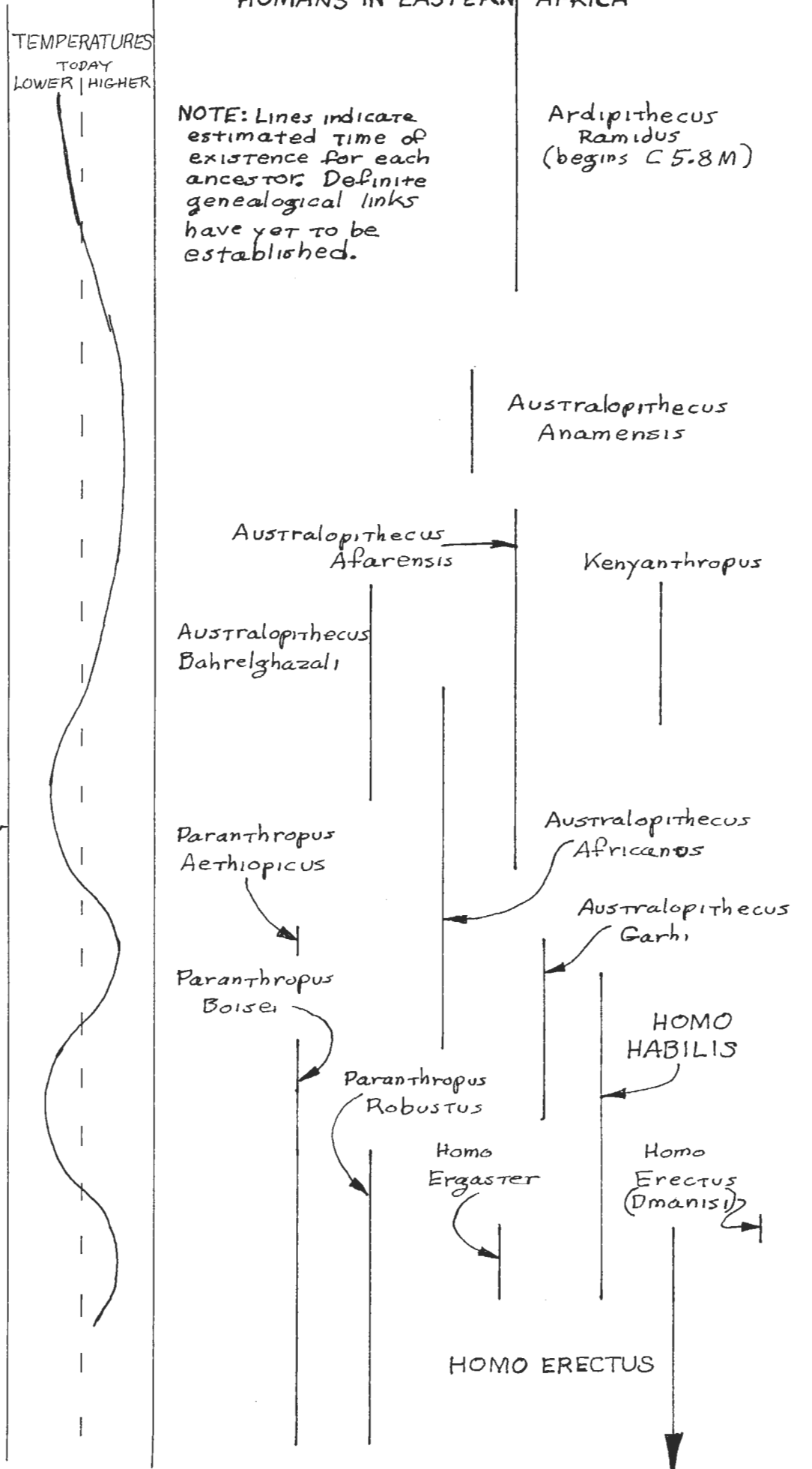
HOMO  
HABILIS

Paranthropus  
Robustus

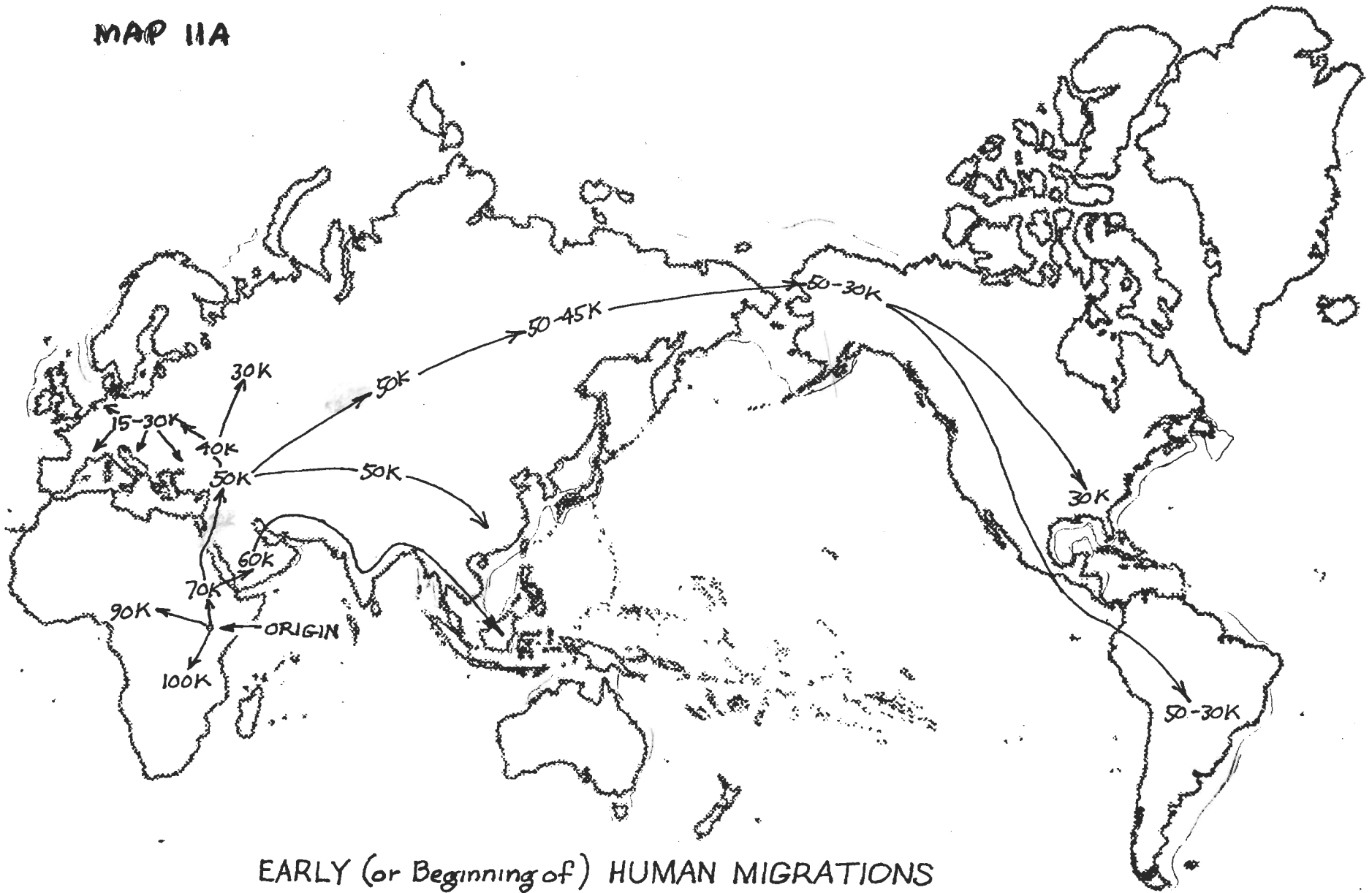
Homo  
Ergaster

Homo  
Erectus  
(Dmanisi)

HOMO ERECTUS



MAP IIA

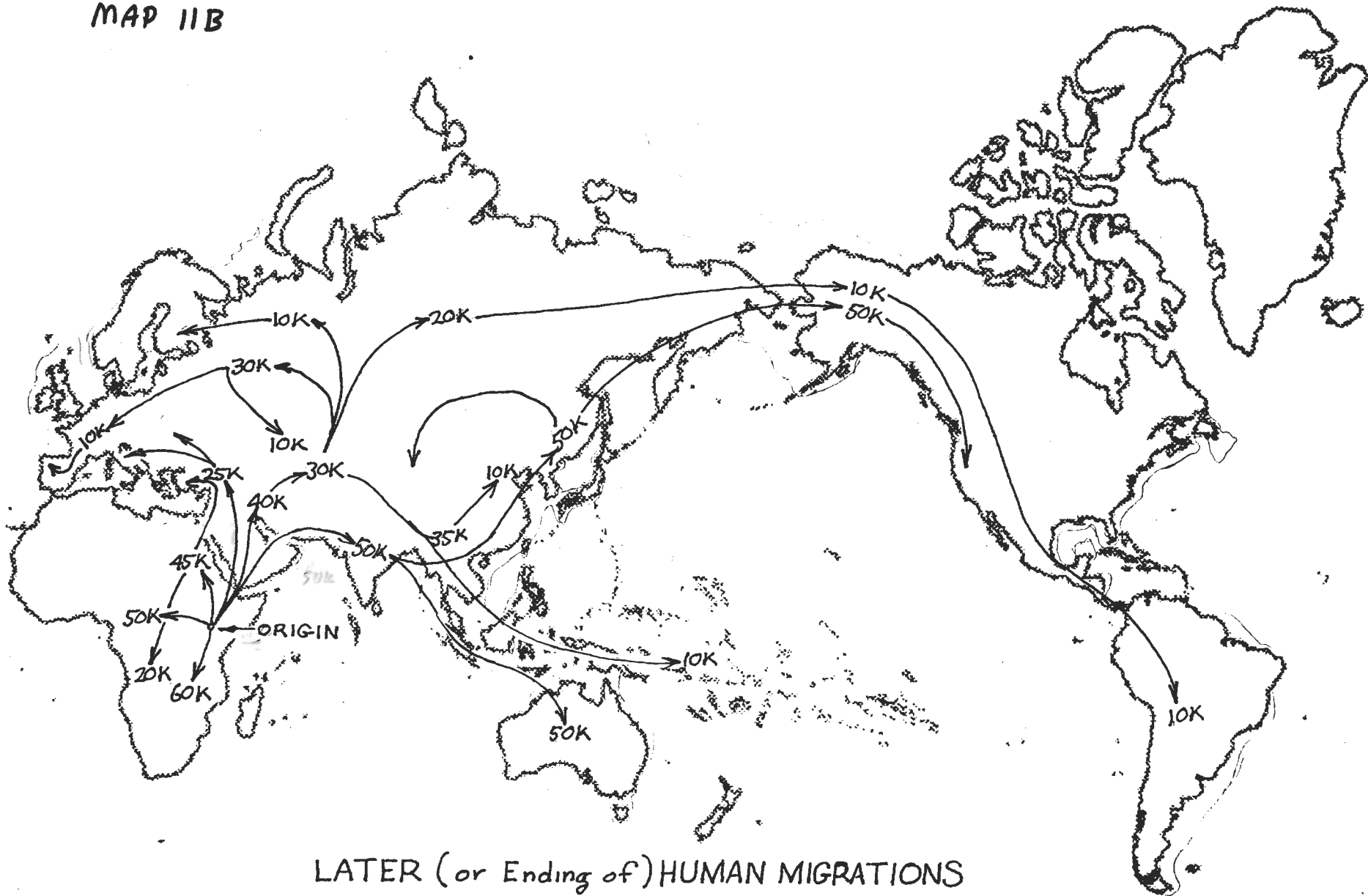


EARLY (or Beginning of) HUMAN MIGRATIONS

Based on Mitochondrial evidence

K = Millions of years before the present

# MAP 11B



## LATER (or Ending of) HUMAN MIGRATIONS

Based on Y Chromosome evidence

K = Millions of years before the present