

## Original 'Cattle Kind'

Probably powerful, swift, formidable. Original population of seven in Ararat region (Genesis 7:2). Genetically much richer than present descendants.

# A non-evolutionary family tree for CATTLE

Spread across the world has been by both natural migration and human assistance.



**Friesian cows**  
genetically impoverished  
(specialized) descendants of the aurochs.

19th century breeds:

West Highland,  
Romagnola, etc.

Majority of modern breeds

Jersey, Guernsey, etc.

20th century breeds:

Luing

Friesian

Santa Gertrudis

Jamaica Hope

Africander,  
Kankrej, Gir, etc.

Brahman



**Ox group**  
(genus *Bos*)

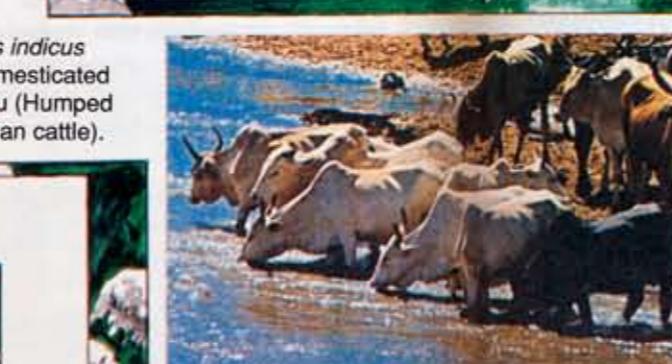
*Bos primigenius primigenius*  
Wild Aurochs (Urus, Tur),  
Middle East, Europe, Asia,  
Africa.

*Bos indicus*  
Domesticated  
Zebu (Humped  
Indian cattle).

*Bos primigenius primigenius*  
Domesticated humpless cattle of Eurasia.

*Bos taurus*  
Domesticated longhorns.

*Bos longifrons*  
European shorthorns.



*Bos grunniens*  
The yak (Tibet)  
(See footnote \* page 28).

*Bos gaurus*  
The gaur (India,  
Burma).

*Bos banteng*  
The banteng (South-  
east Asian wild cattle).

*Bubalus (or Syncerus) caffer*  
Cape (African) Buffalo – Extremely  
dangerous when wounded.



**Africa**

*Syncerus nanus*  
African dwarf  
forest buffalo.

*Bubalus (or Anoa)*  
*depressicornis*  
The wild anoa (Sulawesi –  
Indonesia). A buffalo only one  
metre (three feet) tall.

*Anoa*  
*mindorensis*  
The tamaraw  
(Philippines).

**Bison group**  
(genus *Bison*)  
though often classified  
as *Bos* – see  
footnote \* page 28)



*Bison bonasus*  
European bison  
[German -- Wisent;  
Russian -- Zubr].

**Buffalo group**  
(mostly genus *Bubalus*)  
though some are occasion-  
ally classified as *Bos* – see  
also footnote \*\* page 28).

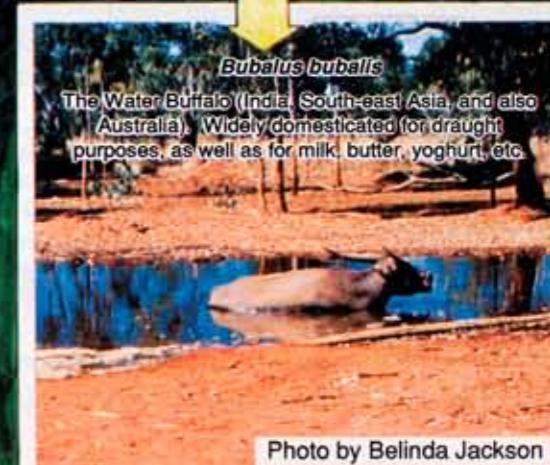


Photo by Belinda Jackson

The brahman breed -- sorting and loss of (non-  
adapted) genes through centuries of selection on its  
ancestors in India's climate means it is more  
resistant to tropical pests and insects than its  
European cousins.



CARDNO