Aaron Davis

Royal Botanic Gardens

Kew

ROY BOTA GARD KF

Some coffee botany





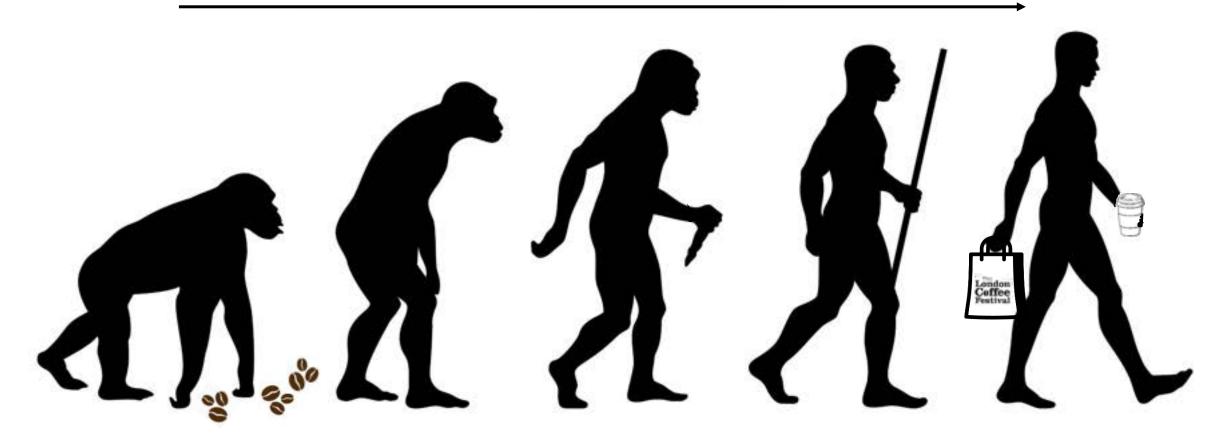




Wild distribution of Arabica and robusta coffee C. arabica 1000-2000 m alt. C. canephora (robusta) 250–1500 m alt.

Coffee use and culture

Coffee Use













Coffee: from forest to field

Wild distribution of Arabica and robusta coffee C. arabica 1000-2000 m alt. C. canephora (robusta) 250–1500 m alt.



The spread of Arabica coffee farming

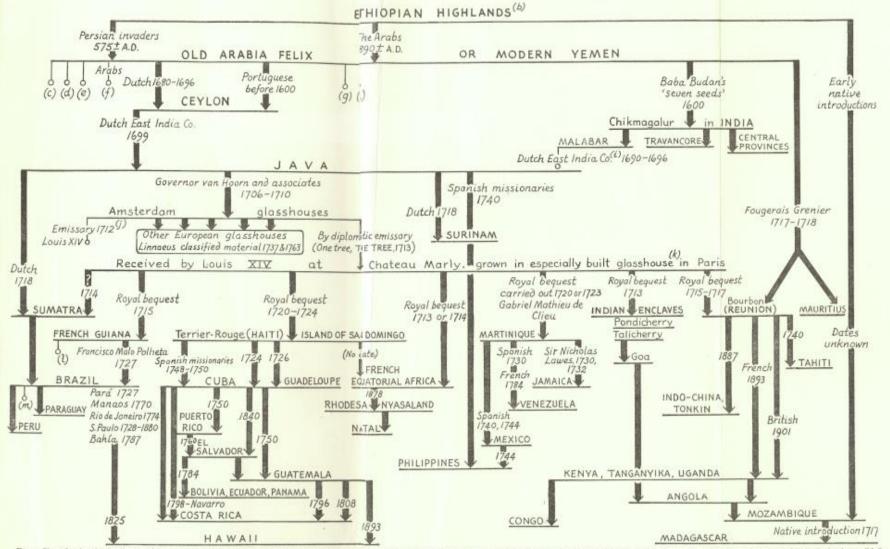


Fig. 2. Chart showing the distribution of the growing of Coffea arabica. [a] There are hazy references in the Old Testament and in the Koran, which are interpreted by some as pertaining to coffee. (b) The Ethiopian, or Abyssinian, highlands that have wild C. arabica extending for a short distance into the south-east corner of the Sudan. (c) Introduction into Persia, 1500 to 1510. Failed to grow permanently. (d) Introduction into Syria, 1500 to 1510. Failed to grow permanently. (e) Introduction into Turkey, 1554. Failed. (f) Introduction into fields in France by French in 1620. Failed. (g) Introduction into fields in Hollari by Dutch in 1610. Failed. (h) Introduction into fields in France by French in 1620. Failed. (l) Introduction into fields in France by French in 1620. Failed from 2011 and 1620. Failed from 1













CAROLI LINNÆI

S: E R:GIE M:TIS SVECIE ARCHIATRI; MEDIC. & BOTAN. PROFESS. UPSAL; EQUITIS AUR. DE STELLA POLARI; nec non ACAD. IMPER. MONSPEL. BEROL. TOLOS. UPSAL. STOCKH. SOC. & PARIS. CORESP.

SPECIES PLANTARUM.

. EXHIBENTES

PLANTAS RITE COGNITAS,

GENERA RELATAS,

CUM

DIFFERENTIIS SPECIFICIS, NOMINIBUS TRIVIALIBUS, SYNONYMIS SELECTIS, Locis NATALIBUS, SECUNDUM SYSTEMA SEXUALE DIGESTAS.

Tomus I.

Cum Privilegio S. R. M:tis Sueciae & S. R. M:tis Polonica ac Elettoris Saxon.

HOLMIÆ, IMPENSIS LAURENTII SALVII. 1753.

PENTANDRIA MONOGYNIA.

Alfine aquatica, foliis rotundis beccabungæ. Morif. bift. 2. p. 323. f. 3. t. 24. f. 28.

B. Samolus africanus, folio rotundiore. Walth. bort. 162. africanus.

Habitat in maritimis Europæ, Afiæ & Americæ borea-

Differt africana planta, Caule magis ramofo & firmiore; Jed vix Sufficient note pro distincta specie.

RONDELETIA.

I. RONDELETIA foliis feffilibus.

Rondeletia arborescens, tini facie. Plum. gen. 15.

Habitat in America. 5

Arbufcula Folia opposita, sessila, lanceolata. Pedunculi communes solitarii, longissimi, nudi, apice formantes corymbum dichotomum; in cujus fingula dichotomia Fios feffilis, cum involucro diphyllo.

afiatica.

2. RONDELETIA foliis petiolatis. Fl. zeyl. 80. Cupi. Rheed. mal. 2. p. 37. t. 23. Raj. hift. 1494. Habitat in Malabaria, Zeylona. 5

BELLONIA.

r. BELLONIA

Bellonia frutescens, folio melissa aspero. Plum. gen. 19. · Habitat in America. 5

Arbufente Folia oppofita, ovata, ferrata, subtus aspera: petiolis brevissimis. Flores in corymbum.

CINCHONA

officinalis, 1. CINCHONA. Mat. med. 71. Quinquina. Cond. act. parif. 1738. Godofr. mat. 2. p. 180. Habitat in Loxa Pernvia. b

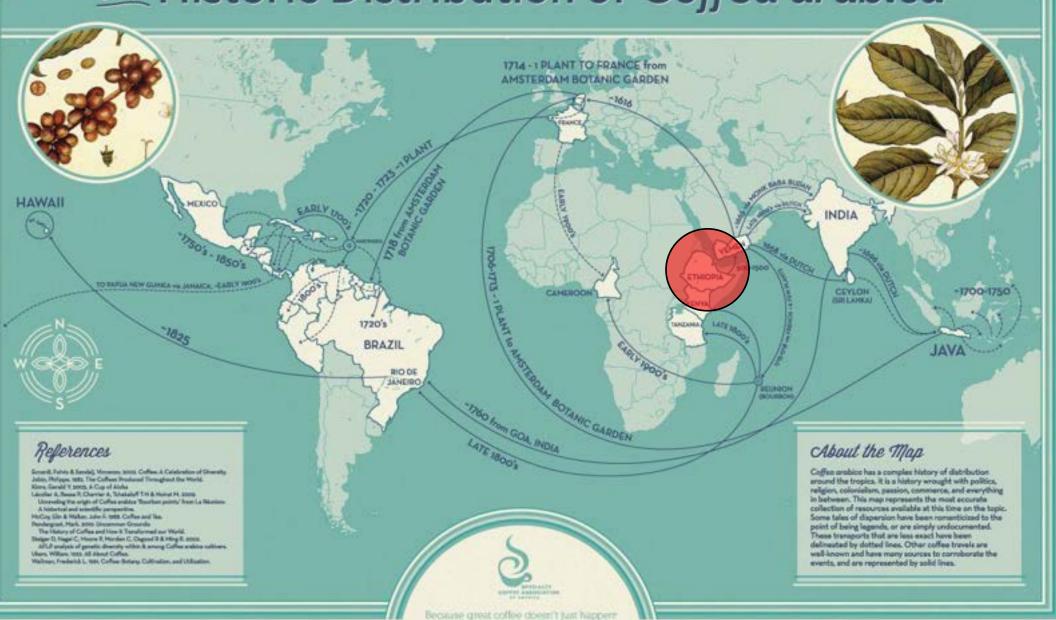
COFFEA:

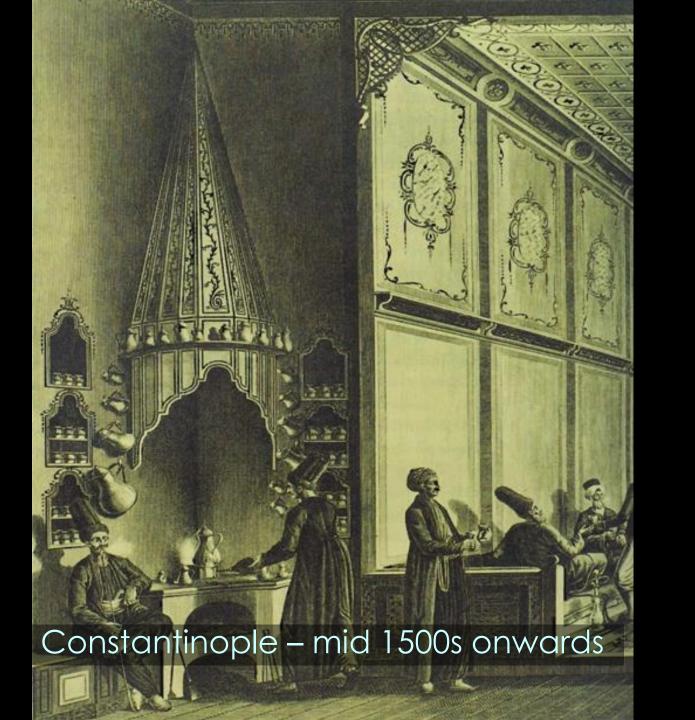
avabica.

1. COFFEA Hort. cliff. 59. Hort. upf. 41. Mat. med. 70. Roy lugab. 239. Jasminum arabicum, lauri folio, cujus semen apud nos coffe dicitur. Juff. act. 1713. p. 388. t. 7. Evonymo fimilis agyptiaca, fructu baccis lauri fimili, Banh. pin. 498.

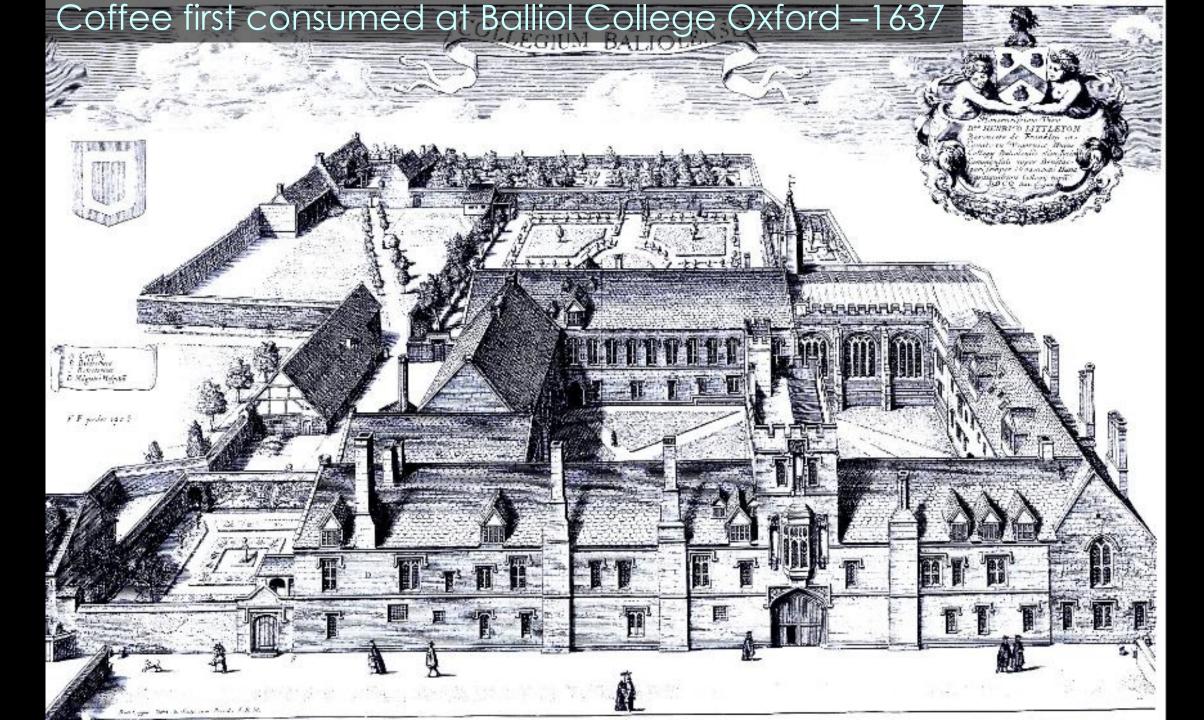
Bon. Alp. egypt. 36. t. 36. Habitat in Arabia felici. 5

The Historic Distribution of Coffea arabica







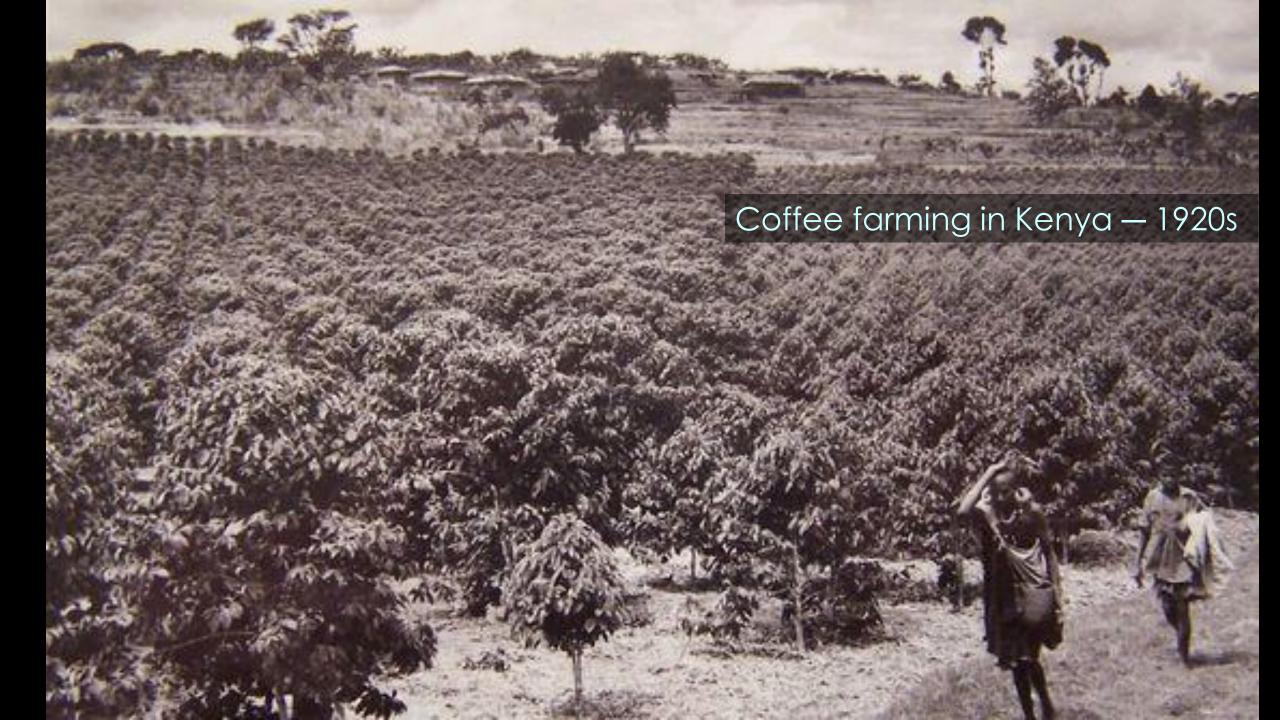






Tom King's Coffee House Covent Garden Tota Kanti Concession

Hogarth – Morning from Four Times of the Day (1736)



The birth of modern coffee culture

The re-birth of espresso coffee



Italian Achille Gaggia 'evolves' the new generation of Espresso machines in 1946













Coffee – a global beverage



pugh



'Apparently a Costa Coffee's opening here in June'

Coffee – a major global commodity



100,000,000 Coffee farmers





IN CEYLON;

THE HISTORY

OF THE

INTRODUCTION AND PROGRESS

OF THE

CULTIVATION UP TO APRIL 1878.

WITH INFORMATION ON THE SOIL, CLIMATE, AND MODE OF CULTURE BEST SUITED FOR THE TREE; ESTIMATES OF COST OF OPENING A PLANTATION; REFERENCES TO ITS CULTURE IN APRICA, INDIA, THE WEST

INDIES, &C.;

AND

A SERIES OF LETTERS ON LIBERIA

BY

THE LATE

MR. G. A. CRUWELL,

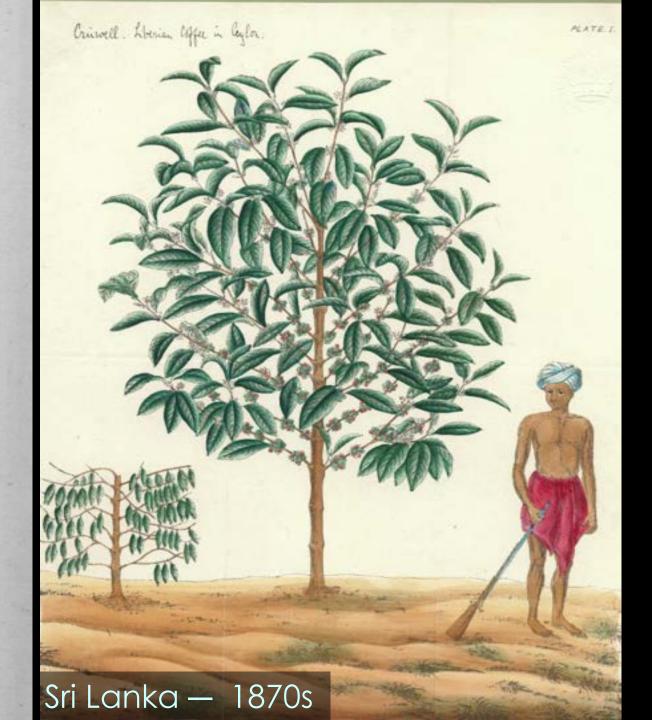
WHO VISITED WESTERN AFRICA IN 1874.

COMPILED FROM THE COLUMNS OF THE "CEYLON OBSERVER,"

COLOMBO:

A. M. & J. FERGUSON.

1878.





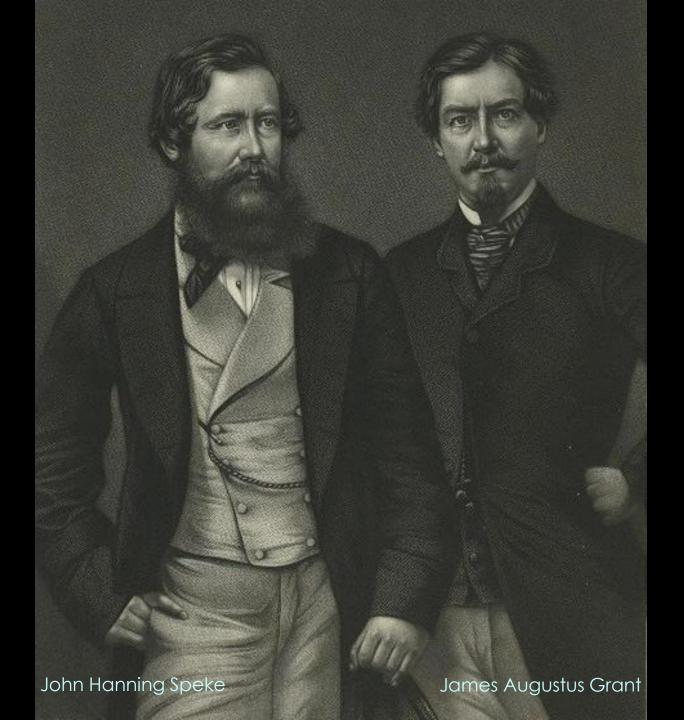


PRICE ONE SHILLING.





Robusta coffee (Coffea canephora) — a new species in 1897

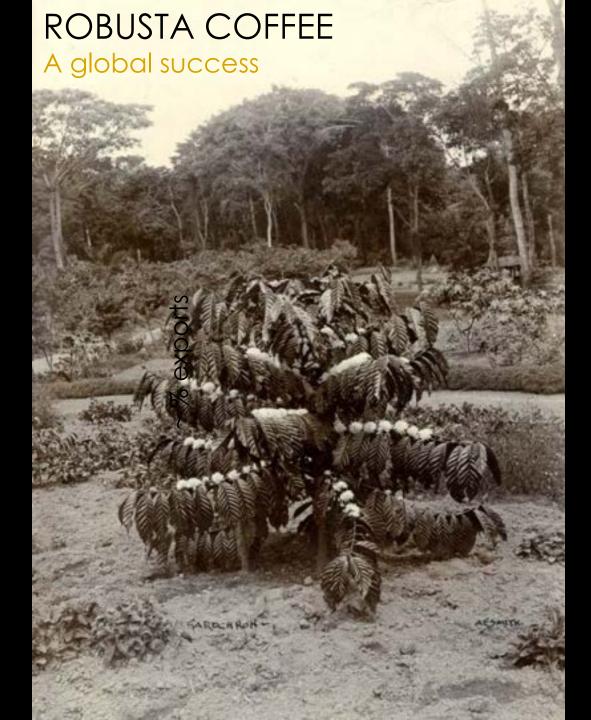




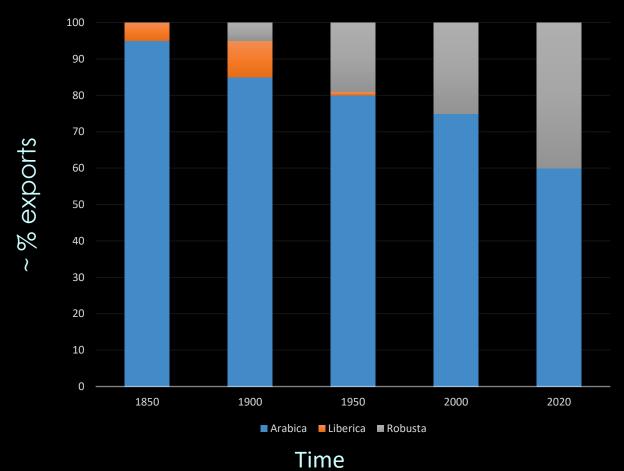
Collected by Grant & Speke on their expedition to find the source of the Nile (1862). These robusta specimens were collected in 1860 and later passed on to David Livingstone in Zanzibar.

Kew to Uganda 1901 Congo to Kew 1898 Java to Uganda 1910 Congo to Java1901

ROBUSTA ORIGIN Out of Africa



Arabica vs. robusta vs. Liberica market share



End of Part I

...it's coffee (or tea) time