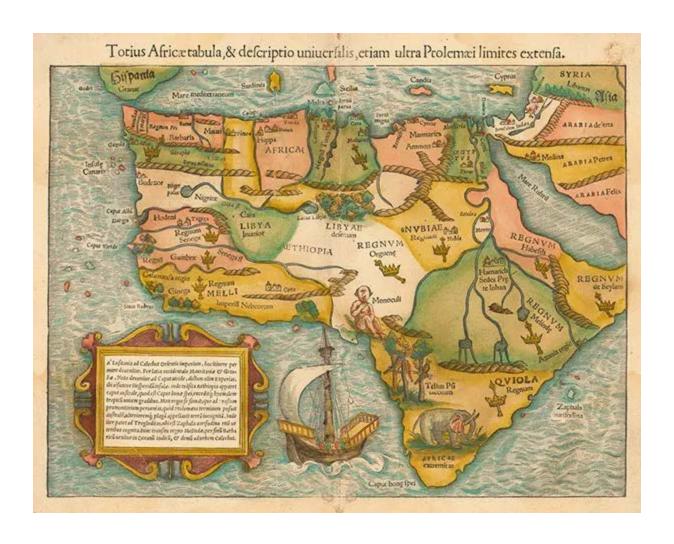


Geog 126: Maps in Science and Society

Colonial Mapping: the Middle East and Africa

Africa



1554: Sebastian Münster. Earliest map of the continent of Africa. (Dias 1487, Da Gama 1497)

Ralph A. Austen: Mapping Africa: problems of Regional Definition and Colonial/National Boundaries.

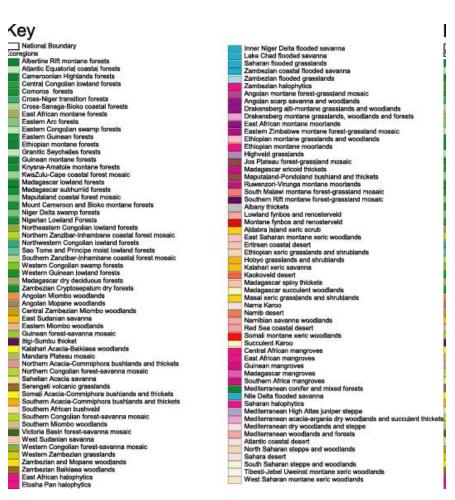
http://fathom.lib.uchicago.edu/1/777777122619/

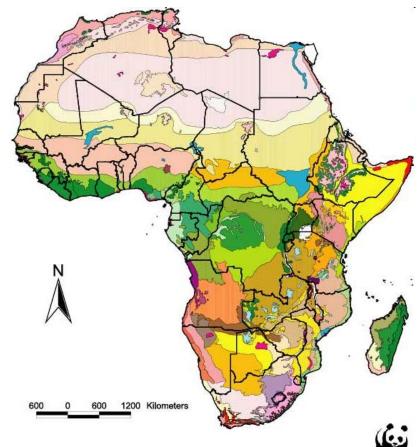
- Africa defined by physical and ecological factors
 - Continent surrounded by bodies of water
 - Deserts (Sahara, Namib, Kahahari)
 - Savanna (East, West)
 - Mediterranean (Nothern coast, South Africa)
 - Convention divides into Mediterranean and sub-Sahara
 - Med. Africa seen as Maghreb "The West"
 - Also temperate and tropical,
- Varying indigenous representations of space
- Superimposed colonial boundaries
- 37°20′ 50″N to 34° 49′ 59″S

Physical constraints

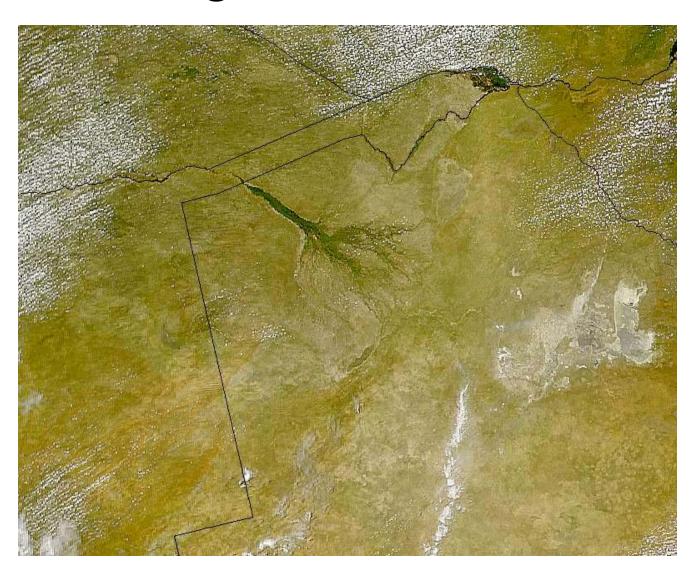
- Northern and Northeastern narrow seas
- Atlantic and Indian ocean coasts
- Isolated geographically
- Few natural harbors
- Only short internal rivers (Niger, Congo, Zambezi, below cataracts (navigable 100 miles) well separated
- Sahara a major obstacle (Camel about 1CE)
- Rain forest largely impenetrable and disease prone (e.g. Tsetse, Malaria)

Africa: Regional Divisions



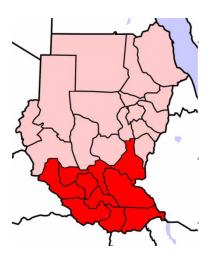


Okavango Delta, Botswana



Political





South Sudan, 2011

Jacob d'Angelo and Nicolaus Germanus, 1467 Bavaria

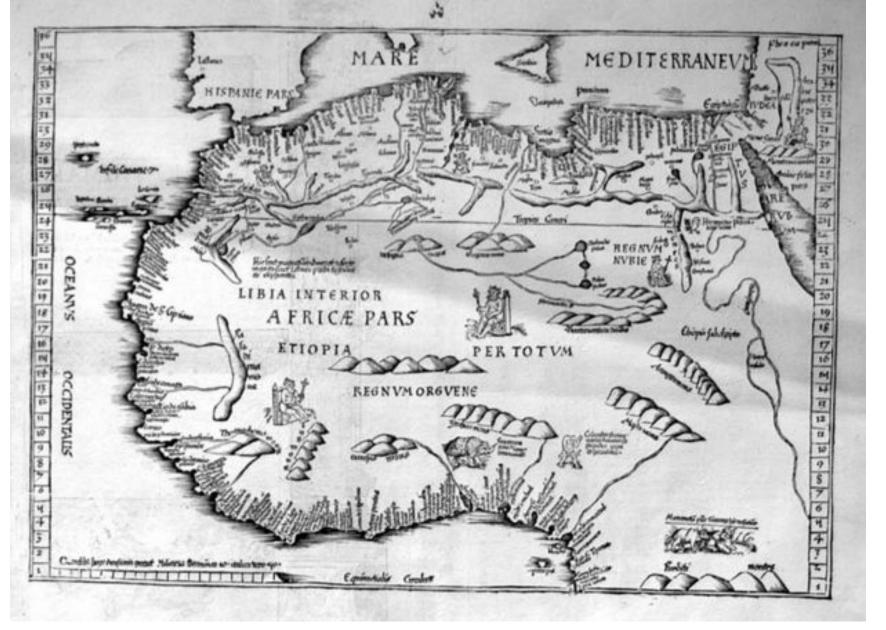


De Gama: Juan de la Cosa, 1500



1522 Dutch

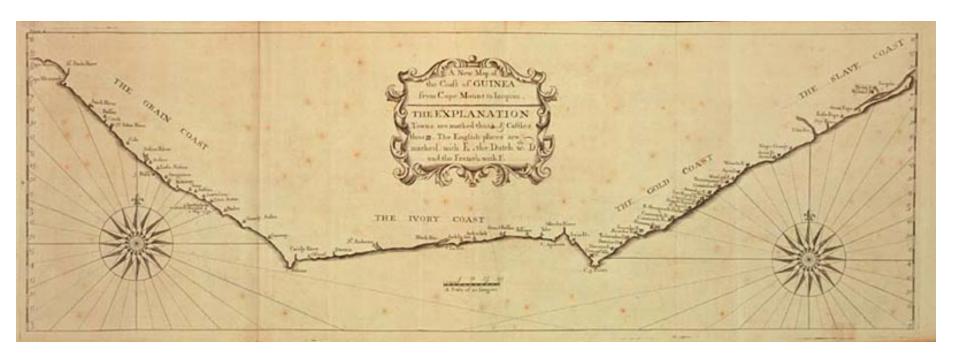
Tabula noua partis Africa. Monbadya mfule decorifa Omola Regnum SIN VS BAR BARICVS quiola Infile due mberns Infole to policio HECPARSAPHRICEANTIQVIORI BVS MANSIZINCOGNITA onta depatrono Elsiao Migmides o Carmo Sagnaro Riodemagdal-na Rio Debon Sumes termoa mojas 3 das annas nomeniu ledepena Plana per de MAREPRASSODVM Capriconni Circulus Anamodacemerica Quelibri hara dan fana continer Miliaria Comanum 10 Indias vero Go



mapmakers: M.Waldseemuller L.Fries place and date of publication: Lyons 1522-1535 medium and colour: woodblock, Uncoloured

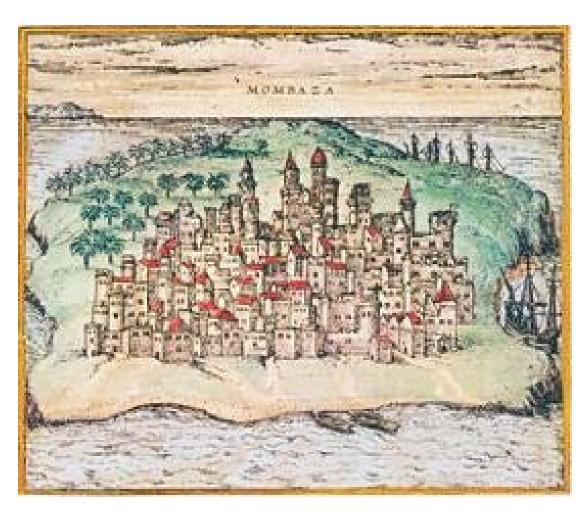
"A New Map of the Coast of Guinea from Cape Mount to Iacquin" appeared in William

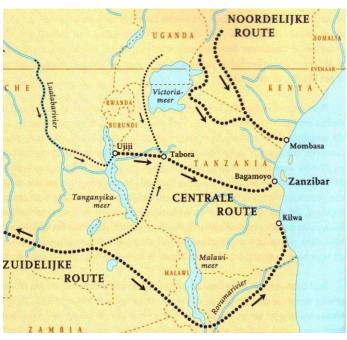
Smith's *Thirty Different Drafts of Guinea* (not before 1727)



- •The Grain Coast
- The Ivory Coast
- The Gold Coast
- The Slave Coast

Mombassa

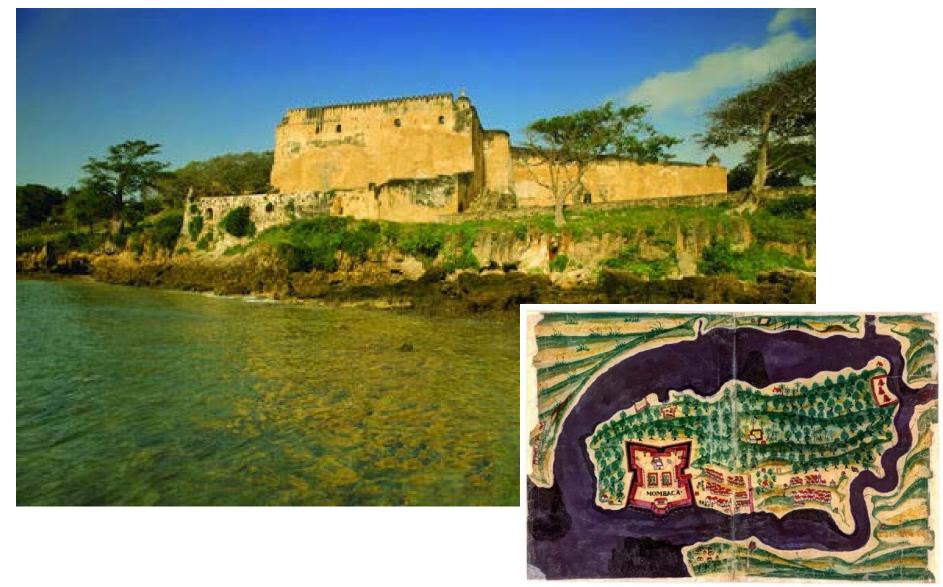




"Diocesis Goanae Processus martyrum de Mombassa"

- 1631 Portuguese "expelled. Sultan of Mombasa, Dom Jerónimo Chingulia, assassinated the Portuguese governor, reclaimed his Muslim name of Yusuf ibn al-Hasan, and ordered all Christians in the city to convert to Islam
- Portuguese returned from Zanzibar in 1632 and retook Mombassa
- The Mombasa Rising against the Portuguese, 1631: From Sworn Evidence (1980)
- Record of the court of inquiry held by the diocese of Mombasa to ascertain whether those who died during the rebellion were martyrs and eligible for canonization as saints.
- The testimonies of eyewitnesses give the historian views of the confrontation between Islam and Christianity and between African and European political powers
- Issues were race and slavery: Who was Christian?

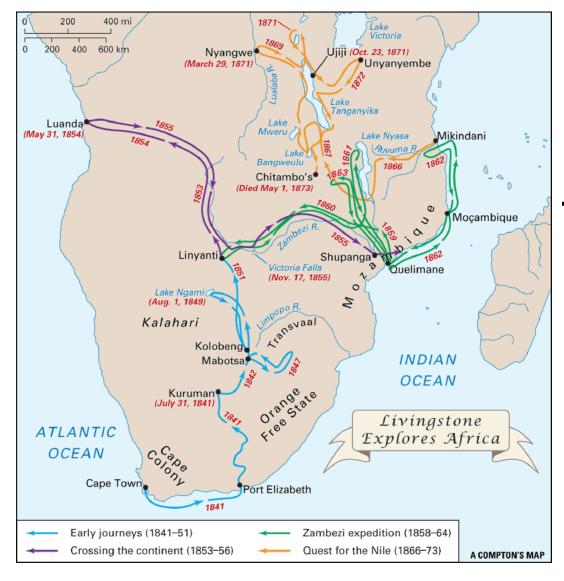
Fort Jesus, Mombasa



David Livingstone: Explorations 1849 to 1856

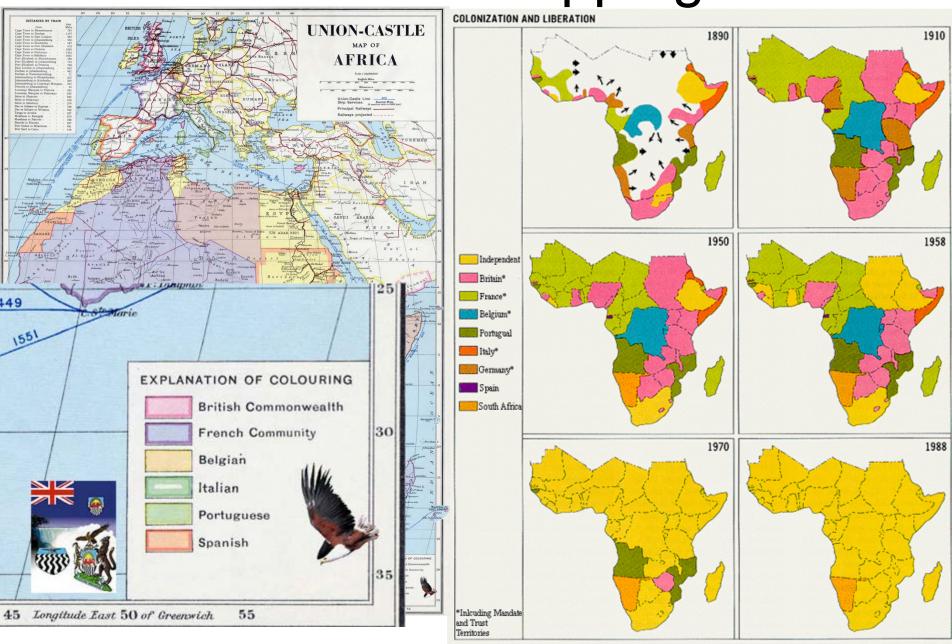






Livingstone's travels 1841, 1853-56, 1858-64, 1866-73.

Colonial Mapping



Historical northern interior trade routes

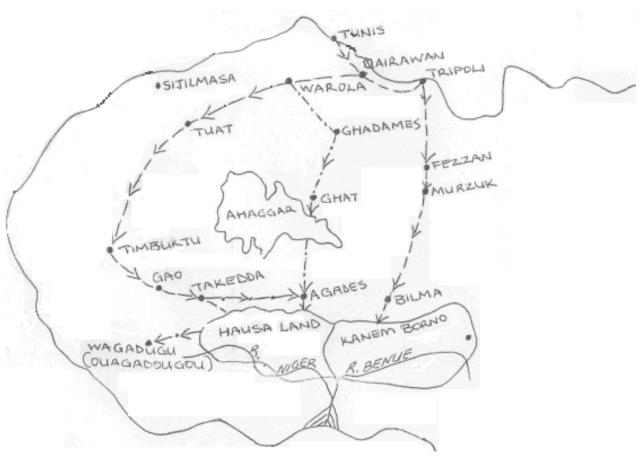
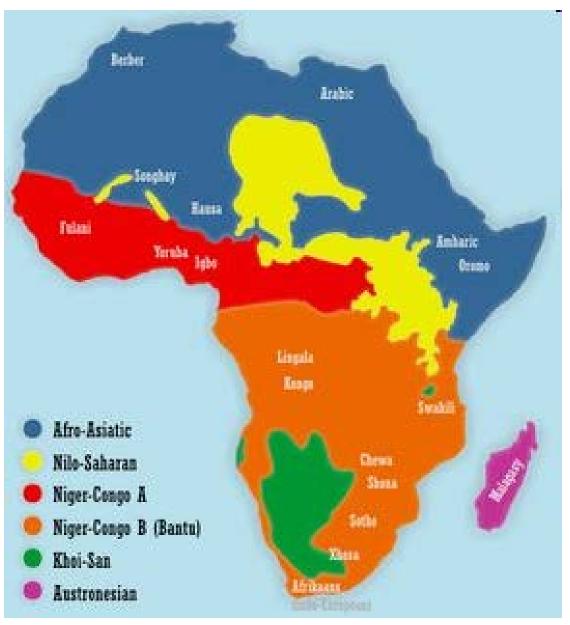


Figure 3: Relations between North Africa and the Sudan during the era of the great trans-Saharan trade routes. 5th to the 18th centuries.

Culture

- Savanna and rain forest different cropping regimes
- Strong tribal-kingdom structure
- Major differences in religion, arts, knowledge and military
- Key early civilizations and later keepers of geographical science (e.g. Islam)
- Much indigenous geographical knowledge, few "maps" survive (e.g. Muhammed Bello-Sokoto caliphate in Nigeria 1807-1837)
- Major language divisions
 - North and Northeast: Afro-Asiatic languages
 - Tropical zones: Niger-Congo language family
 - South: until C19th Bushman/Khoi, later Bantu

Language groups



MAP OF THE GOLD COAST COLONY Grass & Cultivated Lands Manidian of O Greenwick Scottish Geographical Magazine, 1896

Ashanti



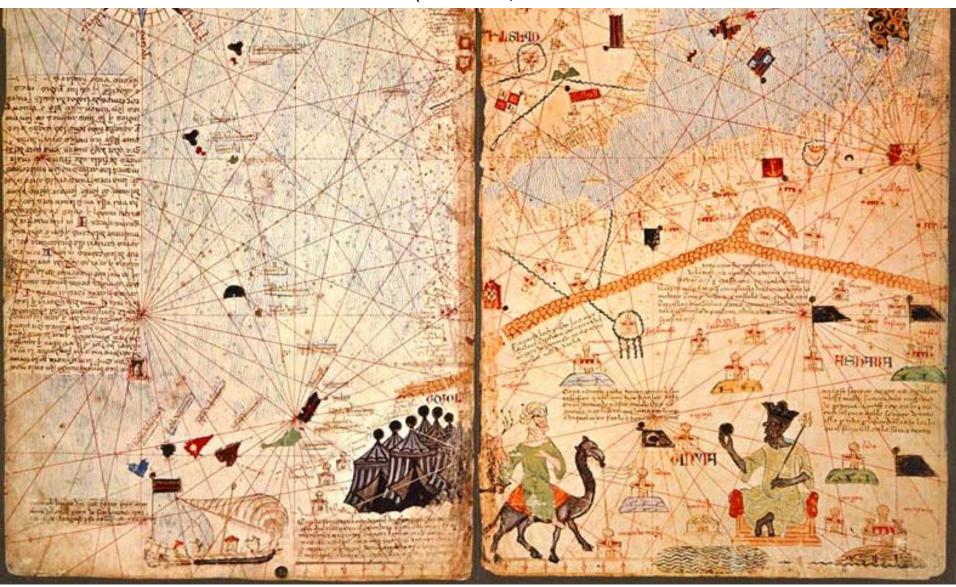
Ashanti, or **Asante** major ethnic group in Ghana speak <u>Twi</u>

Prior to European colonization, the Ashanti people developed a large and influential empire in West Africa.

The Ashanti later developed the powerful Ashanti Confederacy and became the dominant presence early 18th-19th Century The North African Almoravid dynasty gold coin was renowned throughout the medieval world as being the purest gold, since West African gold was 92% pure at the time it was mined, higher than old Egyptian gold ore, which started at 85%, and later refined to 95% gold.

Evidence of Ashanti connection to the Islamic world is the Ashanti word for money - "sikka" - the same as the Arabic word for minting money

Pilgrimage to Mecca 1324 by the wealthy king Mansa Musa (reigned, 1312?-37) of the Mali Empire. Catalan Atlas Abraham Crèsques (d. 1387)



Mansa Musa: Richest person in history

- Pilgrimage to Mecca between 1324 and 1325
- Procession included 60,000 men, wearing brocade and Persian silk
- 12,000 slaves who each carried 1.8 kg gold bars
- Heralds dressed in silks, with gold staffs
- 80 camels each carrying 23–136 kg of gold dust.
- Musa gave the gold to the poor he met along his route.
- Gave gold to Cairo and Medina, and traded gold for souvenirs.
- It was reported that he built a new mosque every Friday

Indigenous view of space

- Core and periphery, not boundary
- Power radiating from centers, sometimes limited by natural features
- Maps often integrated with identity, migration history, mythology, and spirituality
- Included wall decorations, sand drawings, tattoos, orientations written on unconnected objects (e.g. lukasa=memory board)

East African Trade Routes

Indigenous Mapmaking in Intertropical Africa

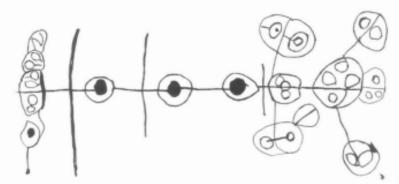
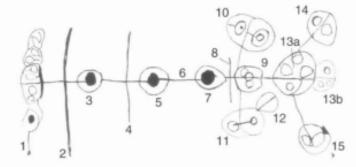


FIG. 3.12. SABATELE'S MAP OF THE MAIN CARAVAN ROUTES IN EAST AFRICA. Paper and pencil. This map with its southerly orientation traces the main caravan routes across Tanzania, with the terminus points placed at Dar es Salaam. See figure 3.13 for an explanatory diagram.

Size of the original: unknown. Current location unknown. Photograph courtesy of the Archiv Museum für Völkerkunde zu Leipzig (Neg. Af 0 1428; from the original glass plate negative).

the relative locations of Tripoli, Ghadāmis and Ghat, the Hoggar (Ahagger) Mountains and Agades, and Tombouctou. Largeau was at a loss to explain how "the idea of meridians had found its way to this son of the Niger." The parallel lines were possibly the boundaries of climates that commonly appeared on medieval European and Islamic maps. Adler believed Arab merchants were responsible for the diffusion of such elements of "scientific geography" in their trans-Saharan travels.

The German geographer Karl Weule was "over-



- 1. "Mawopanda," Dar es Salaam
- "Lufu," the Ruvu River, a large river frequently crossed on the main caravan road by Wanyamwezi carriers, one of whom created this map
- 3. "Mulokolo," Morogoro, the terminus for the central railway at the time
- "Mgata," Makata, plain between the Uluguru and Rubeho mountains, a swamp during the rainy season
- "Kirosa," Kilosa
- 6. "Balabala," the caravan road
- "Mwapwa," Mpwapwa, the old caravan center, once the last stop on the inland march before the great alkali desert, Marenga Mkali, and hostile Ogogo
- Mutiwe, a stream near Kilimatinde
- Kilimatinde, a mountain
- Kasanga
- Kondoa-Irangi
- 12. Post of Kalama, in Iramba (Mkalama?)
- 13a. "Tobola," Tabora, with the new boma (enclosure/fort)
- 13b. "Tobola ya zamani," Old Tabora with the former boma
- 14. Ujiji on Lake Tanganyika
- 15. Mwanza on Lake Victoria

FIG. 3.13. EXPLANATION OF SABATELE'S MAP (FIG. 3.12).

After Karl Weule, Native Life in East Africa, trans. Alice Werner (New York: D. Appleton, 1909), 9, 373-75.

Colonial Era

- European powers build settlements and extracted/traded resources after 1500
- Division of territory took place in Europe, in diplomatic maneuvers unrelated to the terrain or cultures
- Frequent boundary changes as the powers shifted
- World War I led to first major changes

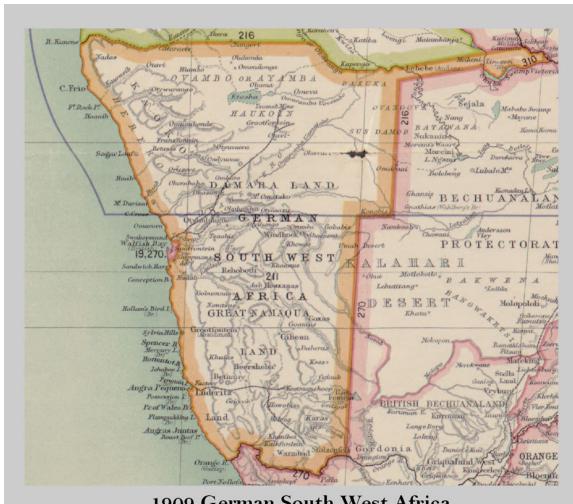
Aaron Arrowsmith's To the Committee and Members of the British Association for Discovering the Interior Parts of Africa This Map Is With Their Permission Most Respectfully Inscribed (1802)



Colonial Boundaries

- Imposed serious disadvantages on Africa (primary extractive structure, reinforced by road and rail)
- Much balkanization, but no proof that bigger is better
- Once states gained independence, "they all became staunch defenders of the existing boundaries"
- Charter of Organization of African Unity "respects boundaries at independence"
- States are nevertheless often failed organizational mechanisms
- "the modern mapping of this region is still inked to its asymmetrical relationships with outsiders"

German SW Africa: Caprivi strip



1909 German South West Africa

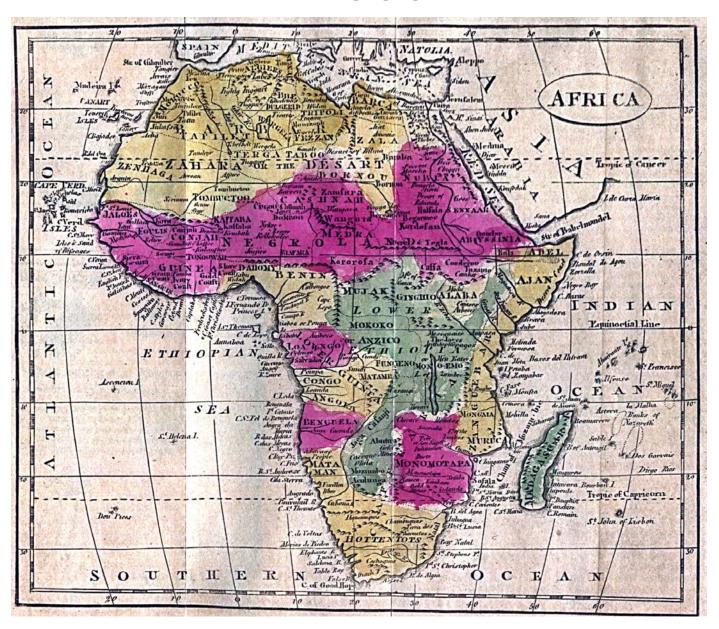
From "The Map of Africa by Treaty" by Sir E. Hertslet, 3rd ed., London: by Harrison and sons, 1909.

Source: Library of Congress Maps DIGITAL ID g8200m gct00004 http://hdl.loc.gov/loc.gmd/g8200m.gct00004

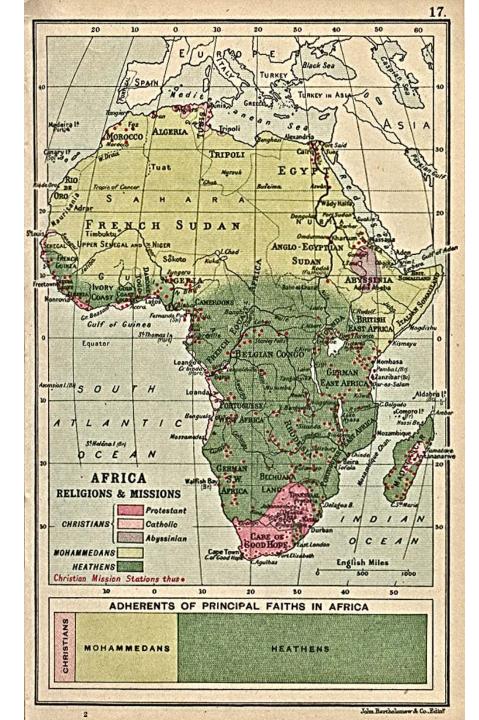
Colonial era needs



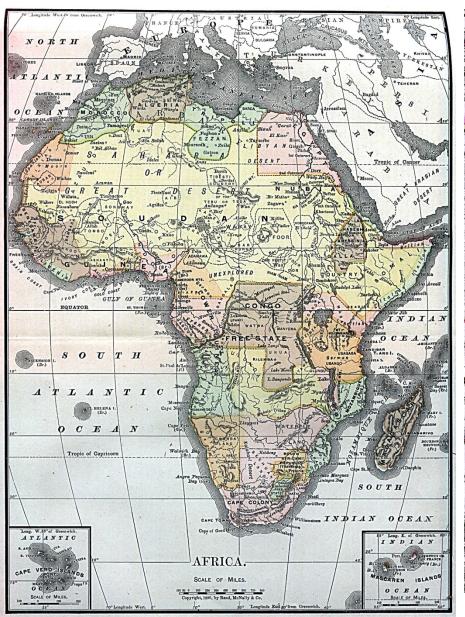


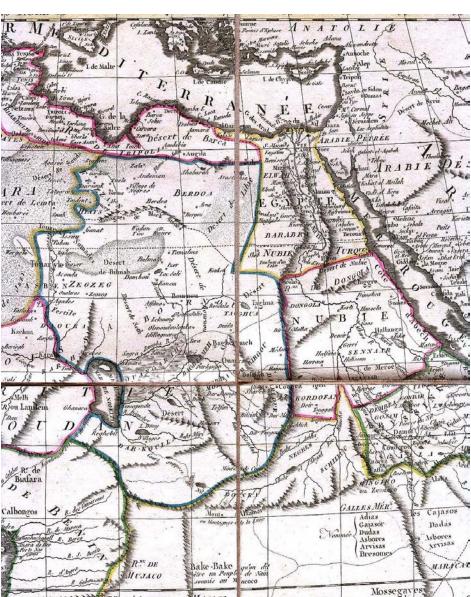


Religion 1913

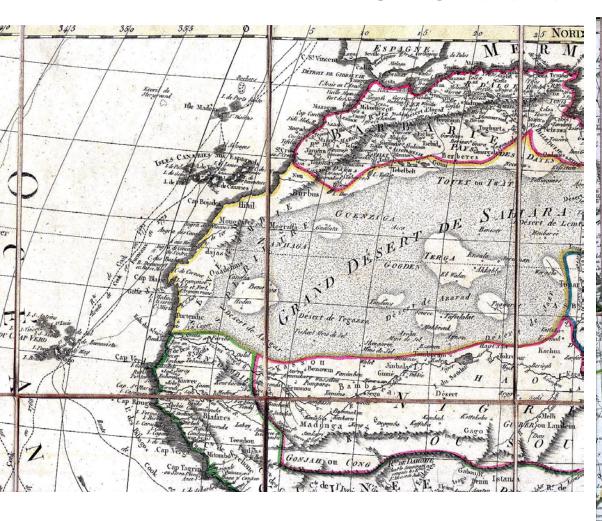


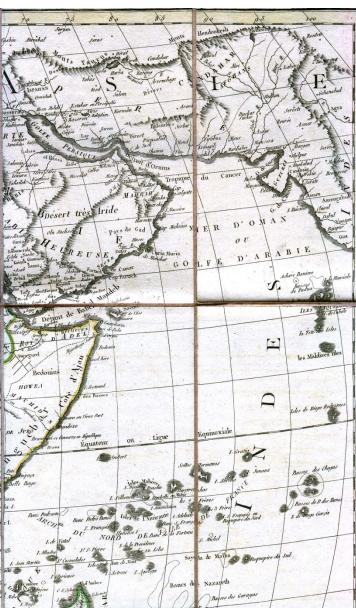
1890 and 1829



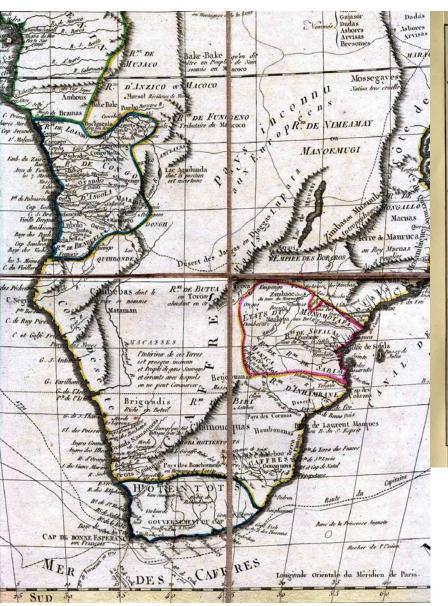


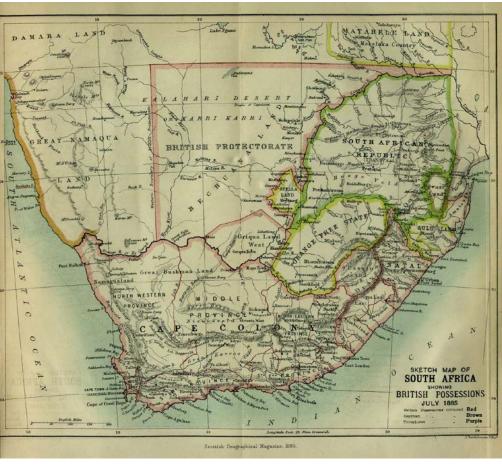
1829 details



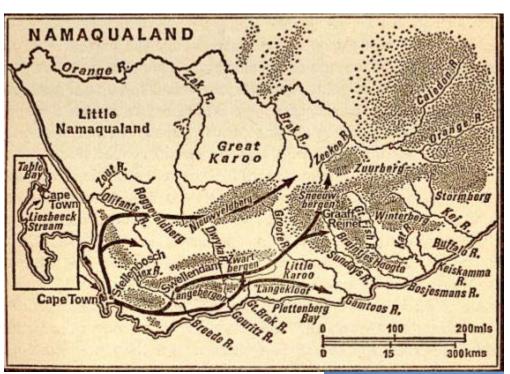


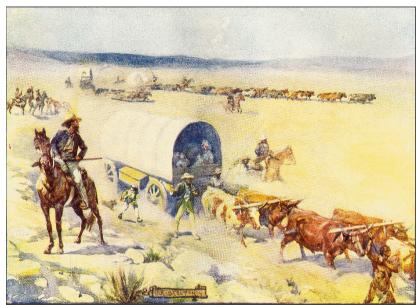
South Africa 1829 and 1895



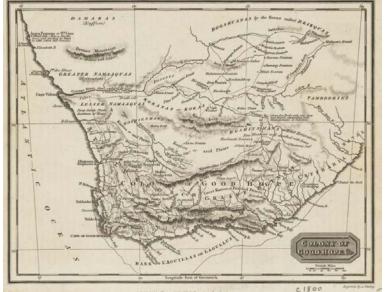


The Voortrekkers 1830-40s

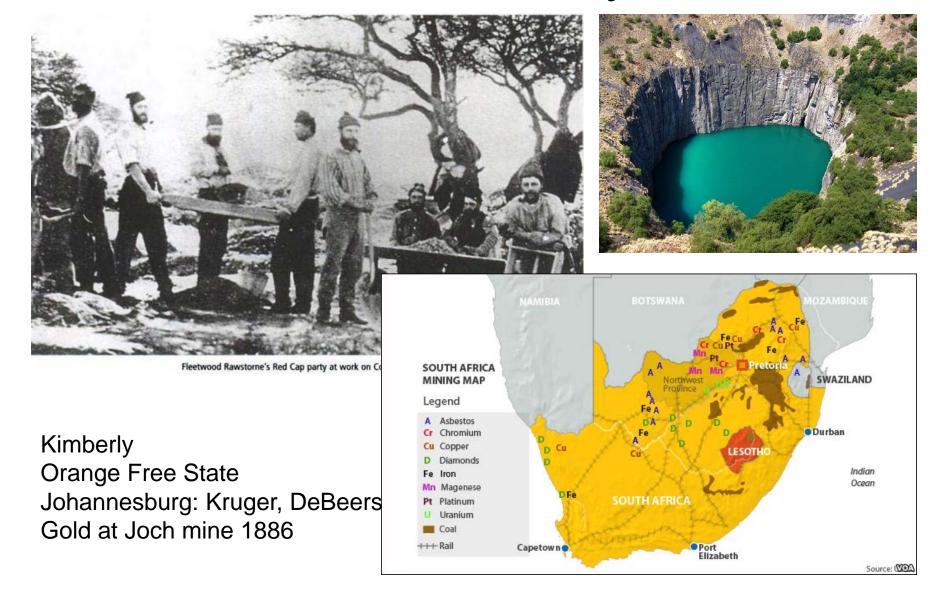






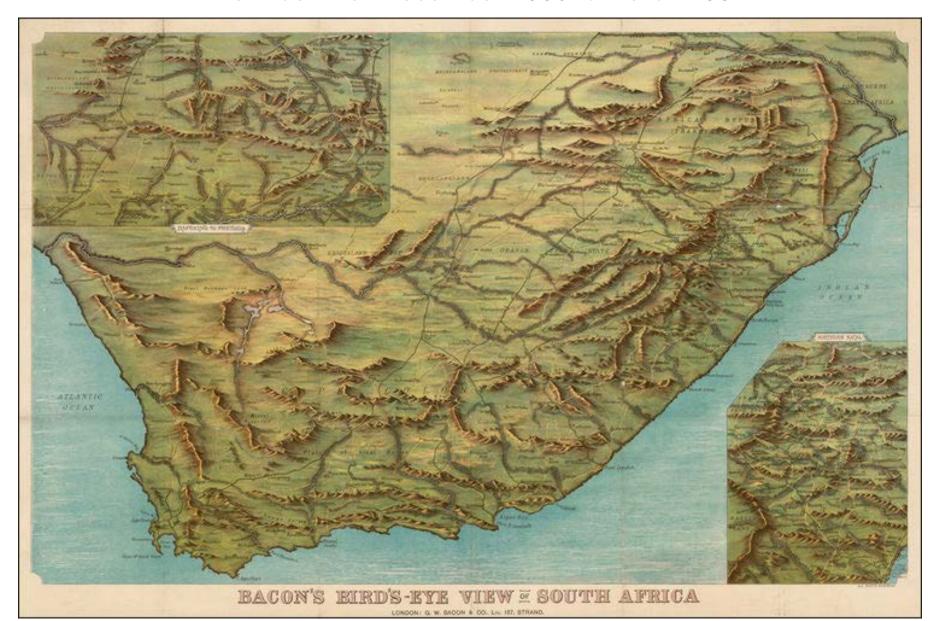


Diamonds Kimberly 1866-

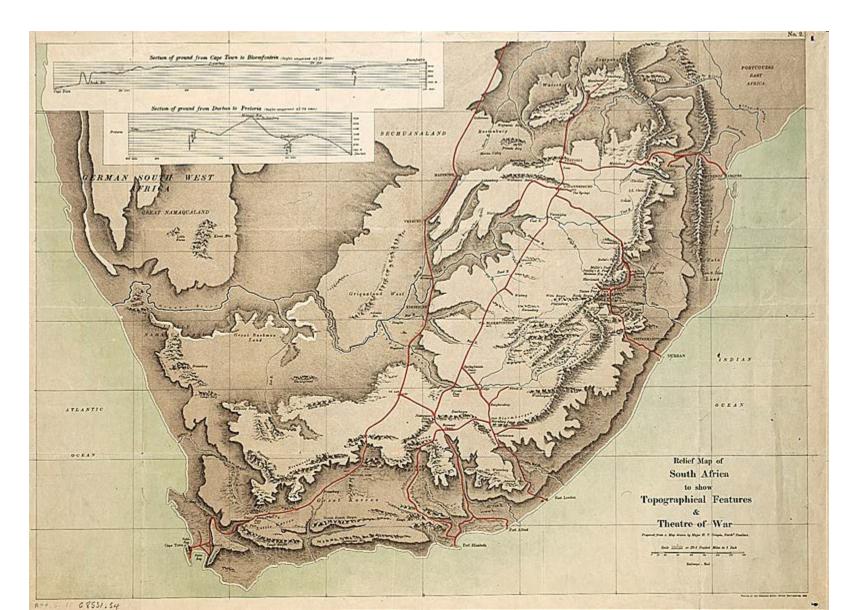


Bacon's Map 1890

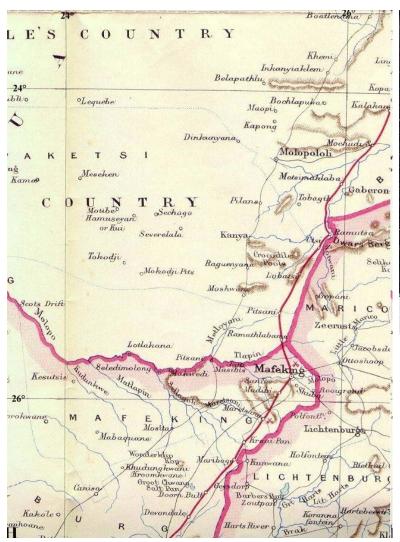
First Boer War December 1880 to March 1881

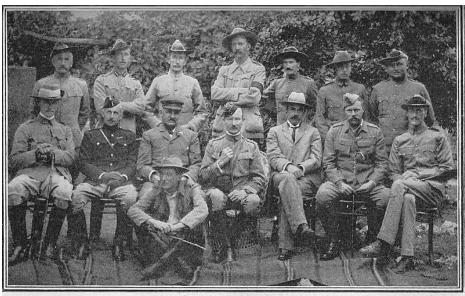


The Second Boer War 1899-1902



Times map of the conflict



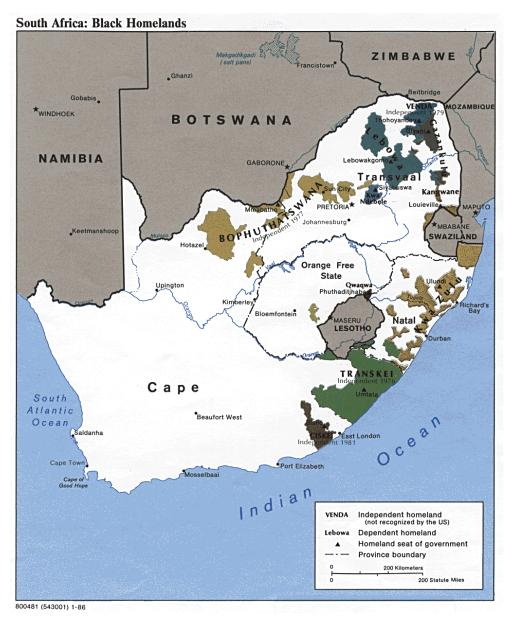


The ansat, read from left to right and from top to bottom, nor ---. Major Panenes, Artillery e. Capit. Ryan, Commiscoriat p. Capt. Greener, Paymaster s., Chief Sinf Officer, Major Lond Edward Cedi p. Capt. Wilson, A.D.C. Basher-Devell (Lady Sarah), busband). 6. Lt., the Hon. Hanbury Tracy, Creen, Capt. Capt. Rechamaland Volumeres E. Major Cherch g. Co. Vyvyan no. Mr. Bell, C.C.R.M. 11, Major-General Baden-Powell 1. Major Whittely 13, Colonel Hore, Protectorate Regt. 14, Dr. Hayes, P.M.O. town 15, Lt. Monorisff, Hon. Extra A.D.C. to Colonel "B.P.F." (Photo. by J. August Hamilto, Our Special Corresponder with Major-General Baden-Powell 1. Major Whittely 13, Colonel Hore, Protectorate Regt. 14, Dr. Hayes, P.M.O. town 15, Lt. Monorisff, Hon. Extra A.D.C. to Colonel "B.P.F." (Photo. by J. August Hamilto, Our Special Corresponder with Major-General Baden-Powell 1. August Major Control Baden-Powell 1. Major Control Baden-Powell 1

MAIOR - GENERAL BADEN - POWELL AND THE PRINCIPAL MEN WHO HELPED HIM TO DEFEND MAFEKING



Black Homelands under Apartheid

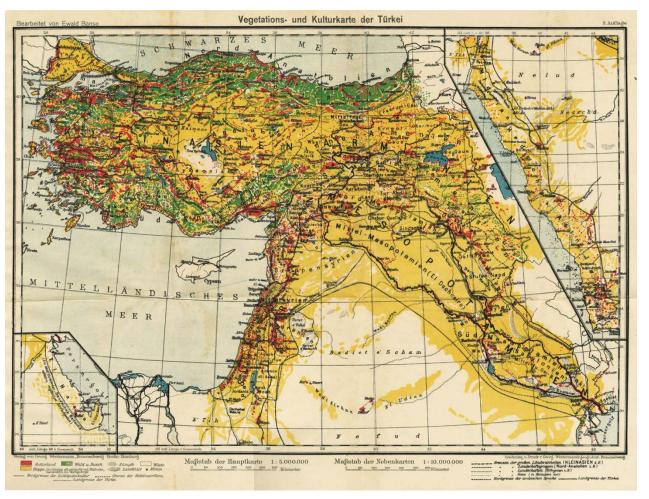


10 Bantustans = Homelands Abolished 1994

P.W. Botha President and Prime Minister 1978 to 1989



The Middle East



Ewald Banse. Die Türkei. Eine Moderne Geographie, Berlin/Braunschweig/Hamburg 1919.

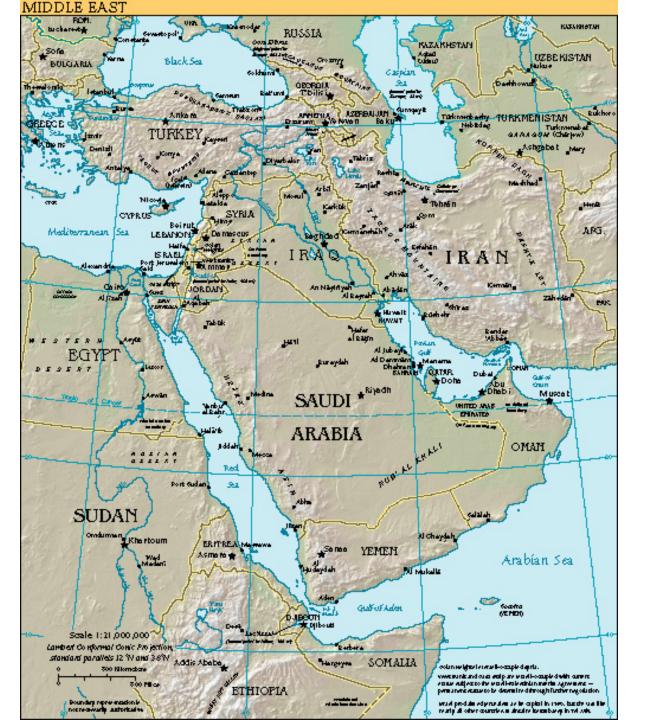
The Middle East

- Ancient history dating back to Egypt, Biblios etc.
- Much trade via Byzantium, inc. India
- Exposure to Europe during the crusades
- Much of the area came under Ottoman rule after the fall of Constantinople in 1453
- Vaguely defined, but includes Arabian peninsula, parts of North Africa, Syria, Lebanon, Iraq, Persia, Turkey

From Karnak Seti I (died 1279 BCE) and Temple of Amun (Ethiopia)

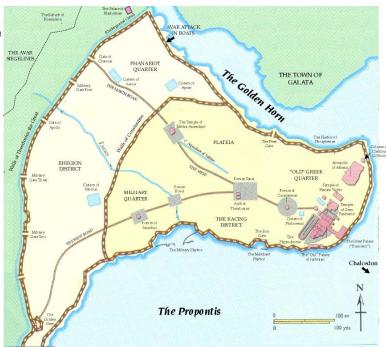
Documents raids on Aleppo, Syria





Constantinople

Oath of Empire Constantinople (622 AD)



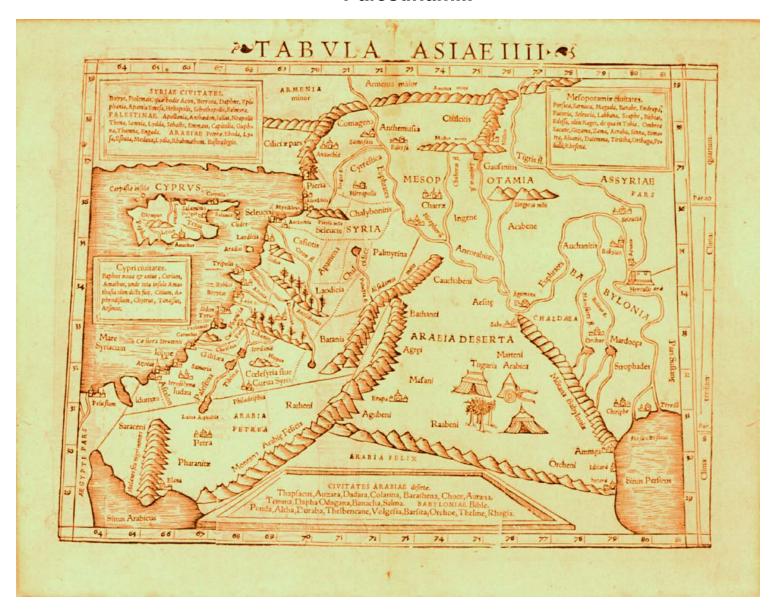
Map of Constantinople (1422) by Florentine cartographer Cristoforo Buondelmonti (Description des îles de l'archipel, Bibliothèque nationale de France, Paris) is the oldest surviving map of the city, and the only surviving map which predates the Turkish conquest of Constantinople (Istanbul) in 1453



1545. Munster, Sebastian(1489 -1552) --Ptolemy (87-150)

TABVLA ASIAE IIII on verso QVARTA ASIAE tabula continet Cyprum, Syriam,

Palestinam...



Faden, W. European Dominions of the Ottomans, or Turkey in Europe. London: W. Faden, 1795



PALESTINE

LEBANON I. The first Zionist colony in Palestine, Coastline Frontier _____ · Zionist colony Palestinian village Palestinian town Mixed town HAIFA The frontiers shown are those of the territory (excluding the Negev) that became Mandatory Palestine in 1922. The size of the circles is not proportional to the number of inhabitants in the places represented except that the larger circles indicate towns and the smaller circles indicate villages. MEDITERRANEAN SEA JERICHO !! DEADSEABEERSHEBA

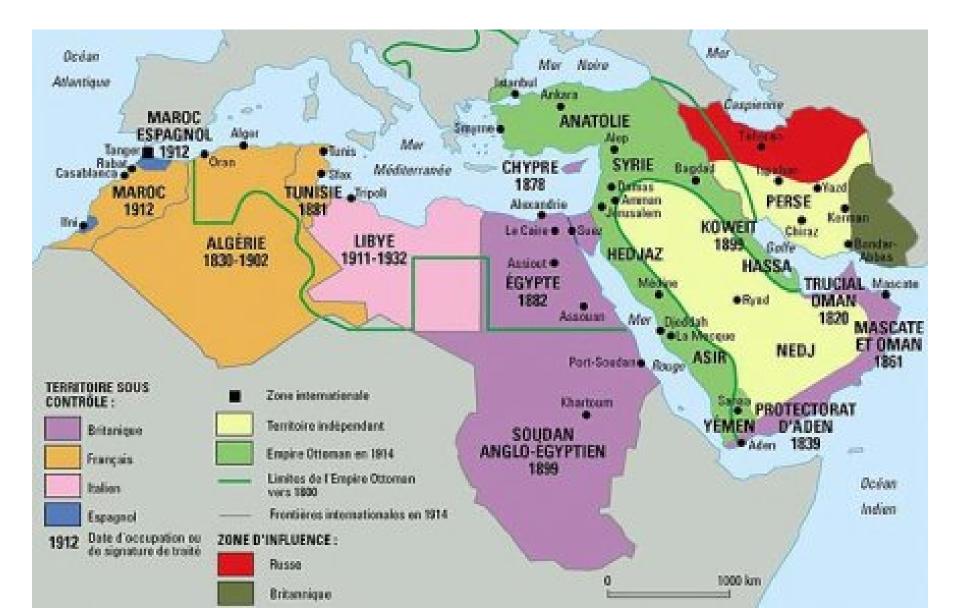
 Zionism nationalist and political movement of Jews and Jewish culture supporting the reestablishment of a Jewish homeland in the territory defined as the historic Land of Israel

SYRIA

- Emerged in the late 19th century in central and eastern Europe
- Leaders main goal was creating the desired state in Palestine, then controlled by the Ottoman Empire

Palestine 1878

The Middle East 1912



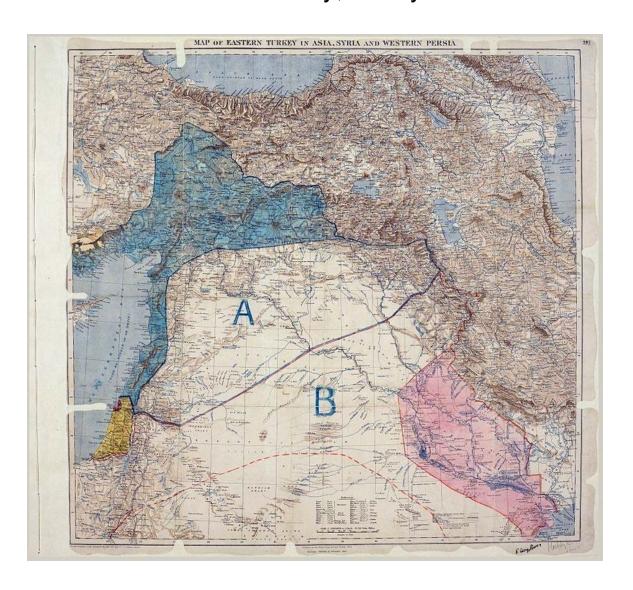
The end of the Ottoman rule

- Economic, social and trade decline starts about 1683
- Major loss was Egypt, Palestine (Suez to UK in 1882)
- Crete 1896
- 1902 "Young Turks" terror campaign in Macedonia, Bulgaria. Anarchist origins.
- 1914 Assassination in Sarajevo destabilizes Austro-Hungarian empire
- Ottoman, Austro-Hungarian and Germany Empires all fall after WWI
- Invaded by Britain, driving out German/Austro-Hungarian and Turkish troops about 1918
- Mustafa Kemal Atatürk leads war of independence for Turkey 1919-1922

WWI aftermath

- French and British send armies and agents
- Foment revolts in the Arabian peninsula
- Seize Iraq, Syria and Palestine
- 1916 French and British reach secret Sykes-Picot agreement on "spheres of influence"
- Successor agreement adopted by League of Nations
- Resistance efforts emerged immediately

Sykes Picot Agreement Map. Enclosure in Paul Cambon's letter to Sir Edward Grey, 9 May 1916.



Middle East 1916 Division

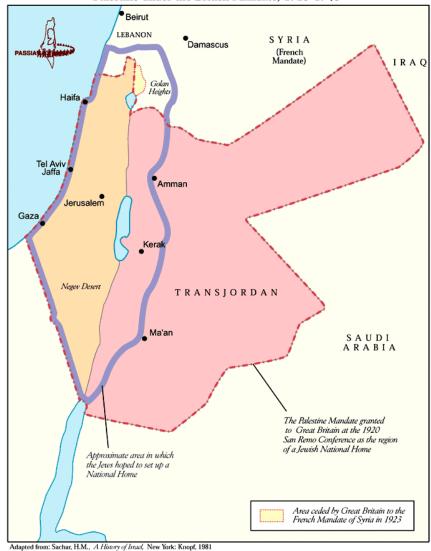


1920 League of Nations Mandates



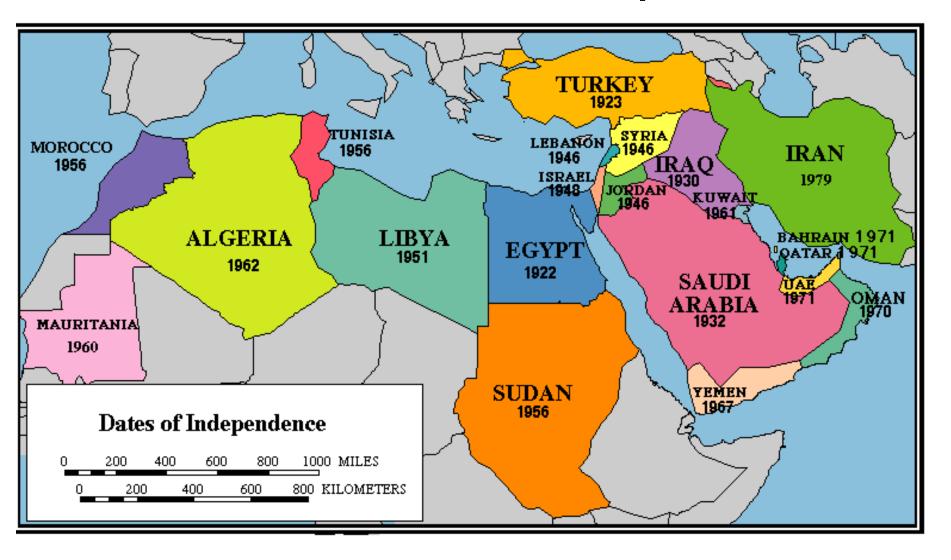
British Palestine 1925-1948

Palestine under the British Mandate, 1923-1948

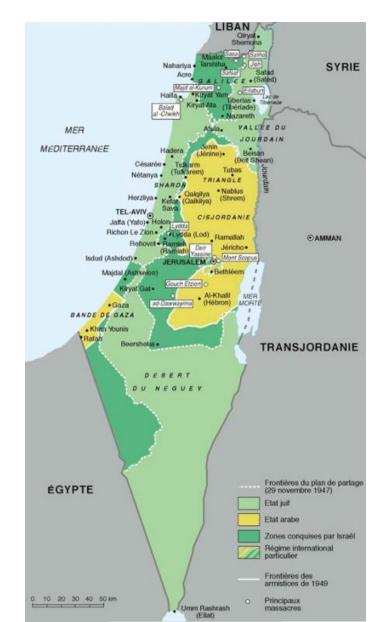


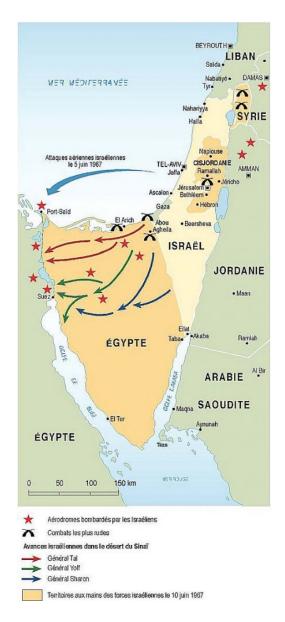
Belestinian Academia Society for the

The Middle East: Independence



1947 Division and the 1967 War

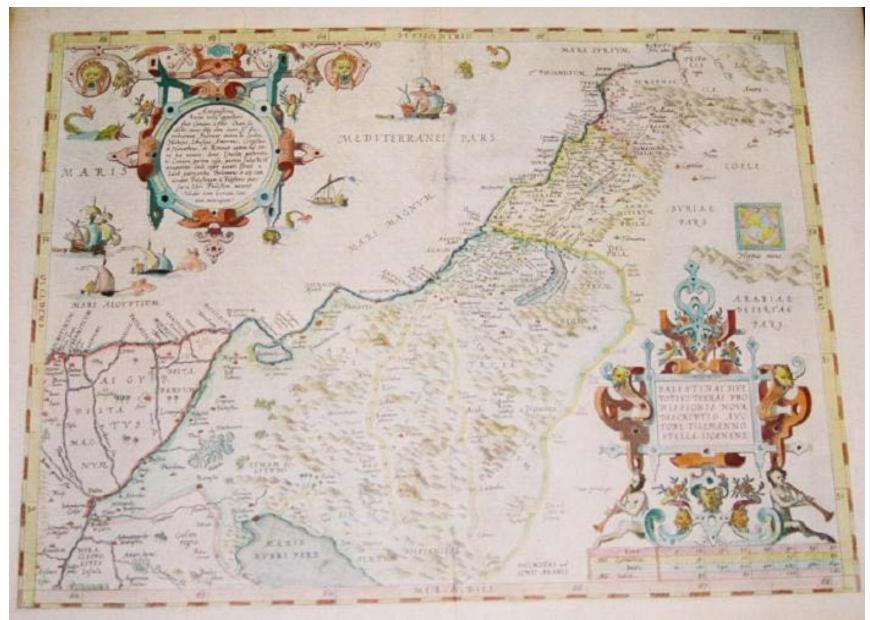




Decorative map of the Turkish empire by Dutch map maker Nicolaus Visscher Amsterdam, 1680-90



c1572, Abraham Ortelius, Antwerp

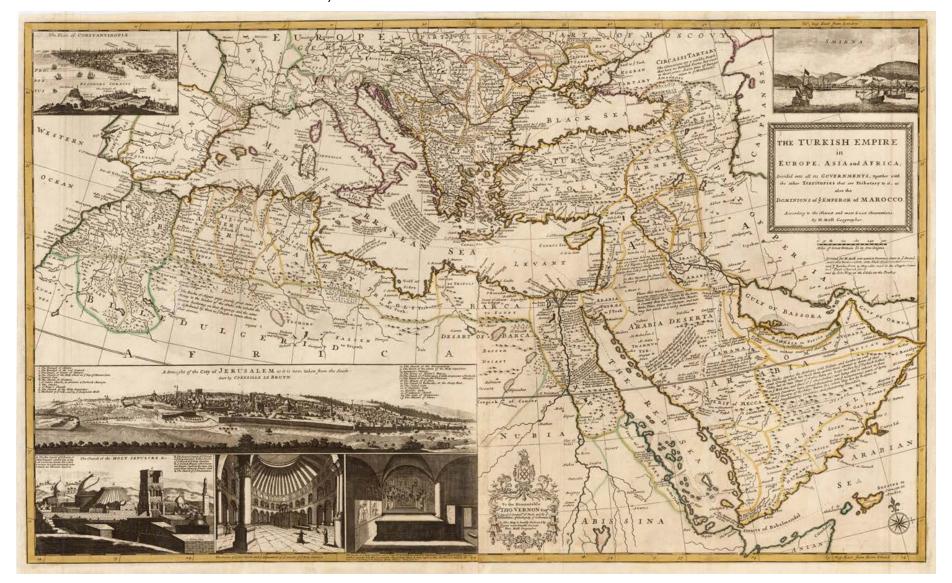


van Keulen 1753 Red Sea Yemen

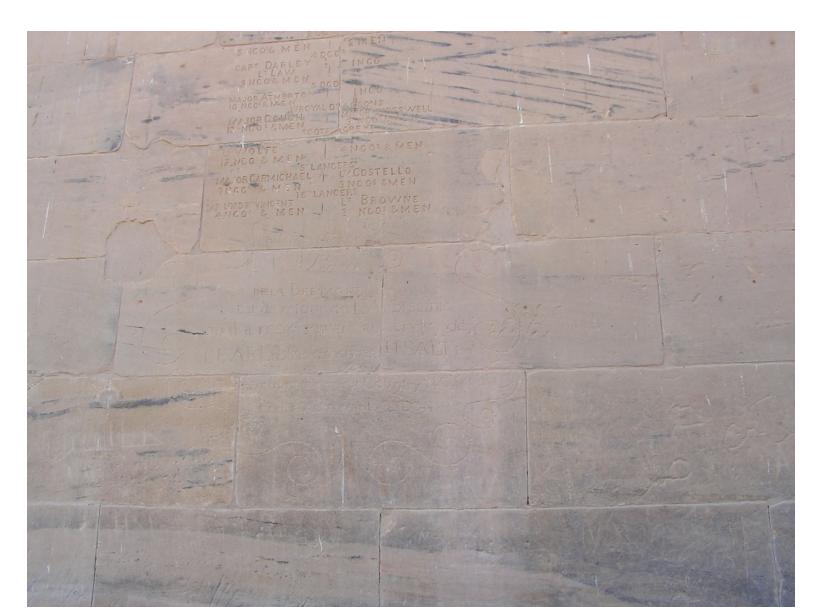


The Turkish Empire in Europe, Asia and Africa. Dividid into all its Governments, together with the other Territories that are Tributary to it, as also the Dominions of ey Emperor of Marocco. According to the Newest and most Exact Oberservations.

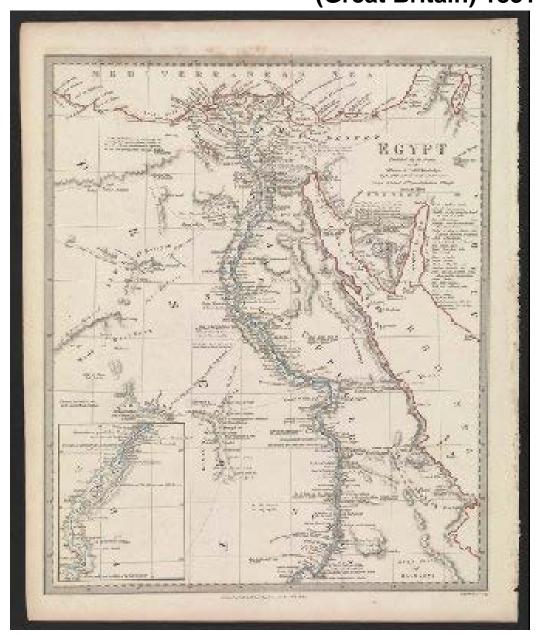
London, Th. Bowles and John Bowles 1708-26



French Campaign in Egypt and Syria (1798–1801) Phyllae



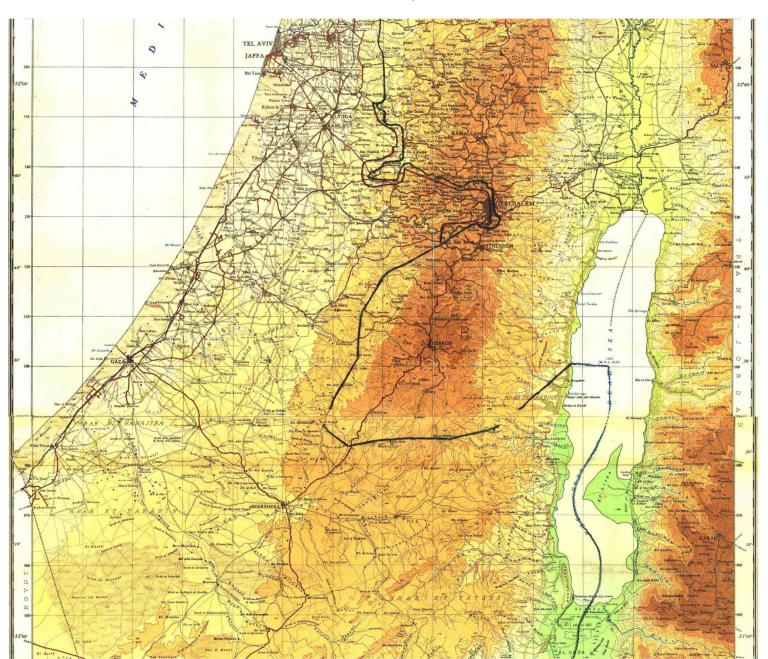
Long, George, 1800-1879; Society for the Diffusion of Useful Knowledge (Great Britain) 1831



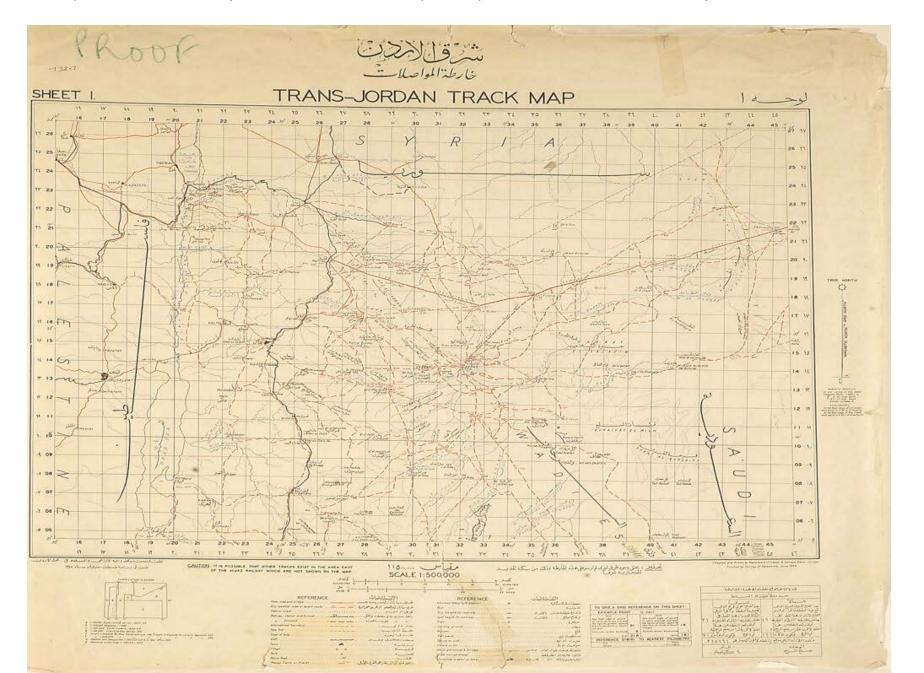


Rosetta Stone 1799

British Palestine Survey: 1:250,000 series



Jordan. Dept of Lands and Surveys. Trans-Jordan Track Map: Sharq Al-Urdun-kartt Muasalat. Survey of Palestine, 1945-1946.





Summary

- Both Africa and Middle East had extensive early structure, mostly ignored during colonial expansion
- Africa explored from Coasts, Middle East from trade routes
- Break up of Colonial Powers led to a rewriting of the colonial boundaries after both WW I and II
- Restructured less during era of Independence (1950s-70s), but political problems remain
- Excellent but ignored cartographic history