

Wayne E. Sirmon

HI 103 – World History



UNIVERSITY
of MOBILE



History 103

World History to 1500

December 8

Review Session for Final Exam 5 pm

December 9

Final Exam (Chapters 12-14)

Technologies of Exploration

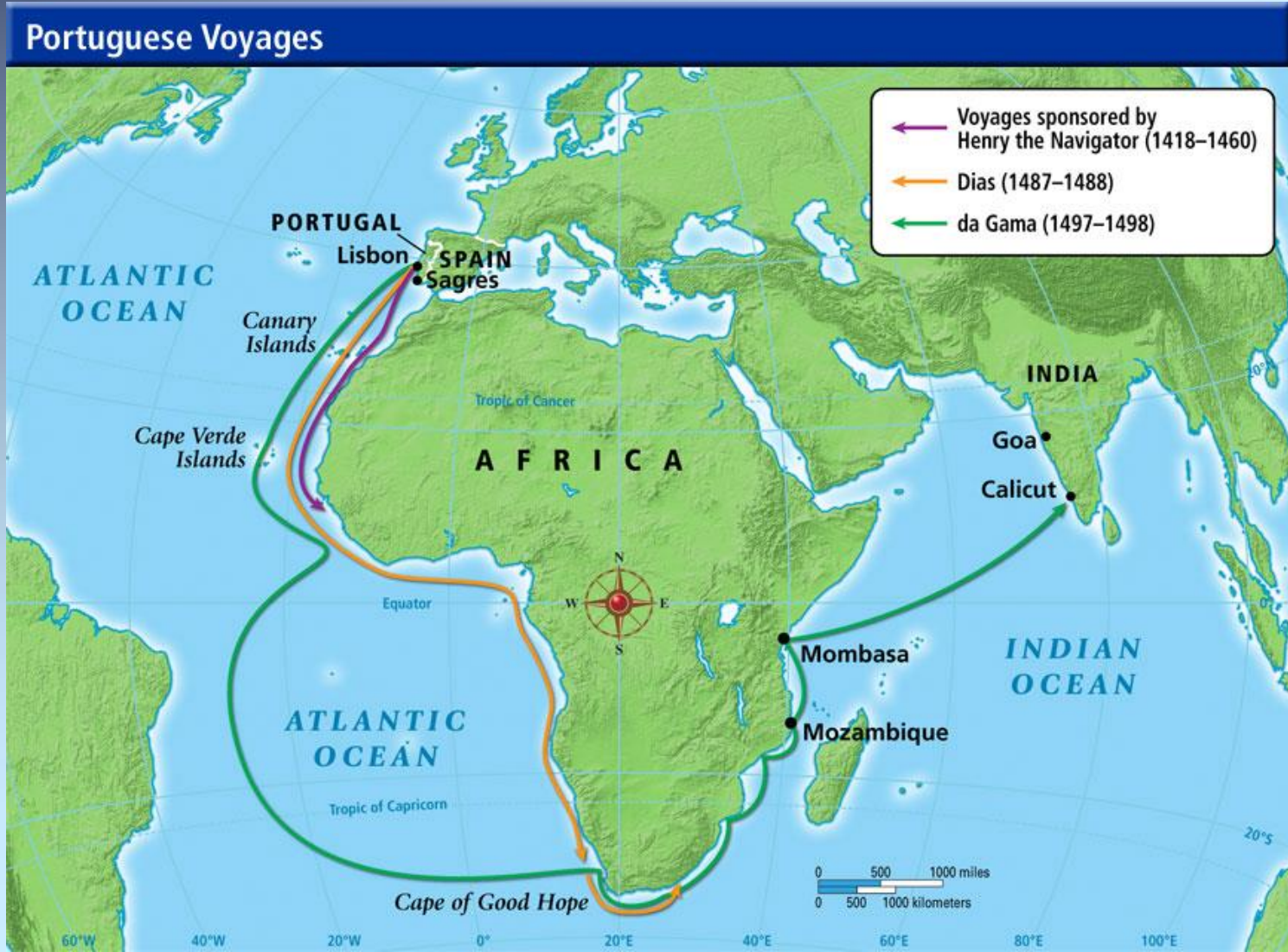
Why the push for a sea route to the Far East?



History 103 — World History to 1500

Technologies of Exploration

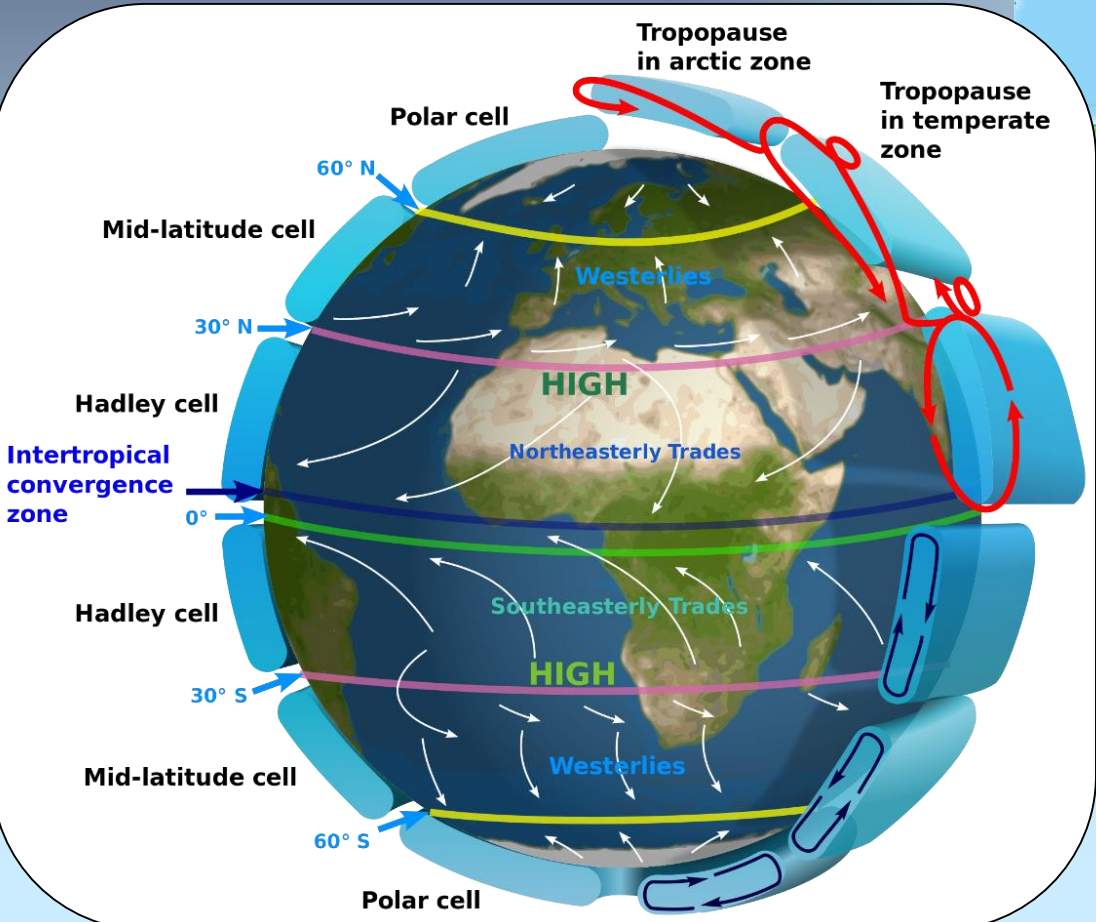
Why was it so hard to sail around Africa?



History 103 — World History to 1500

Technologies of Exploration

Why was it so hard to sail around Africa?



Technologies of Exploration

Firearms Manufacture

- Not a factor at first,
- Cannon impressed natives
 - but give it 100 years



Shipbuilding

- Galleys out, Caravel in



Navigation

- Compass, Astrolabe
- (a clock would have been nice)

Technologies of Exploration

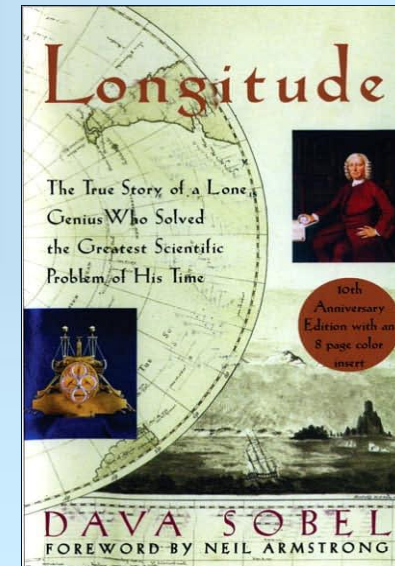
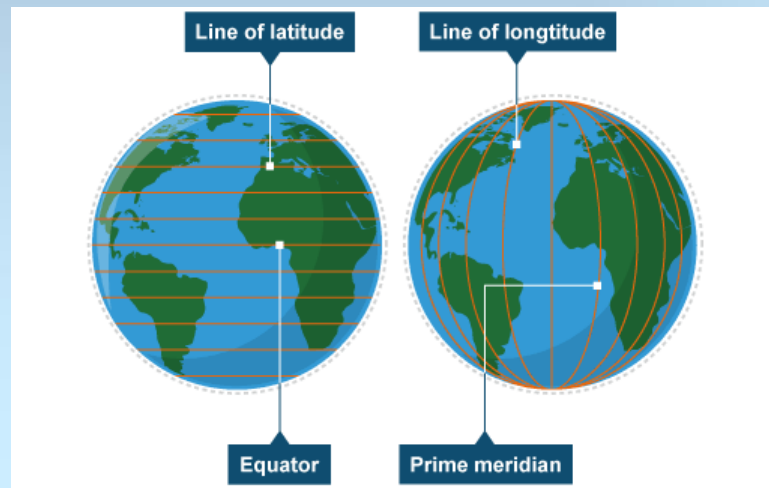
Navigation

Compass – direction

Astrolabe – position - latitude only

Dead Reckoning – guess speed & distance

Marine Chronometer – not until 1761



Technologies of Exploration

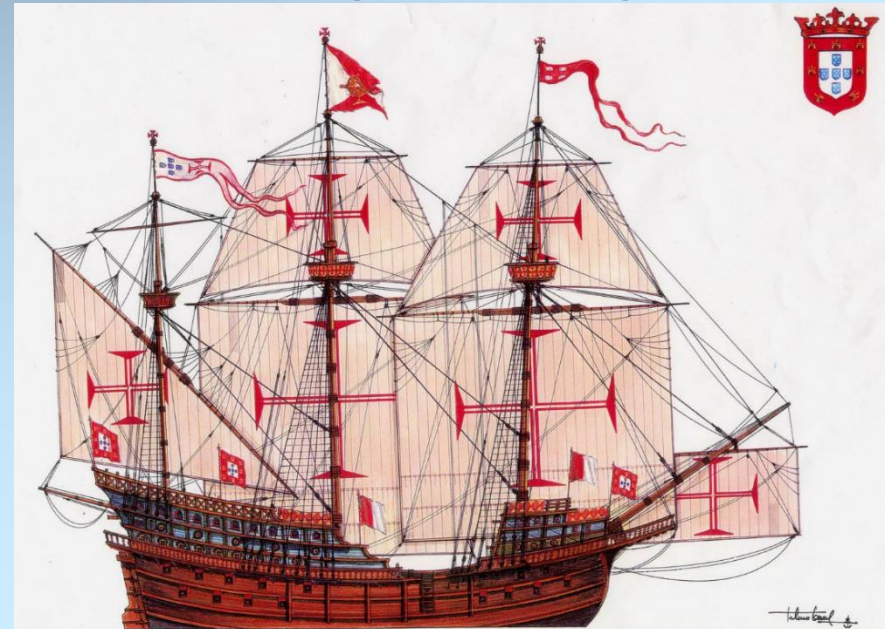
Shipbuilding

CARAVEL – latten and square rigged sails



GALLEY - oars

CARRACK– larger, more cargo and sails



Technologies of Exploration

Shipbuilding

**Niña – caravel – 50 ft long, 7 ft draft, 16 ft beam
crew of 24**

**Pinta – caravel – 56 ft long, 8 ft draft, 18 ft beam
crew of 26**

**Santa María – carrack - 62 ft long, 10 ft draft
18 ft beam, crew of 40**



History 103 — World History to 1500

Technologies of Exploration

Niña

caravel – 50 ft long, 7 ft draft, 16 ft beam
crew of 24



Hunter 50 AC

49.92 ft long, 7.00 ft draft, 14.75 ft. beam

History 103 — World History to 1500

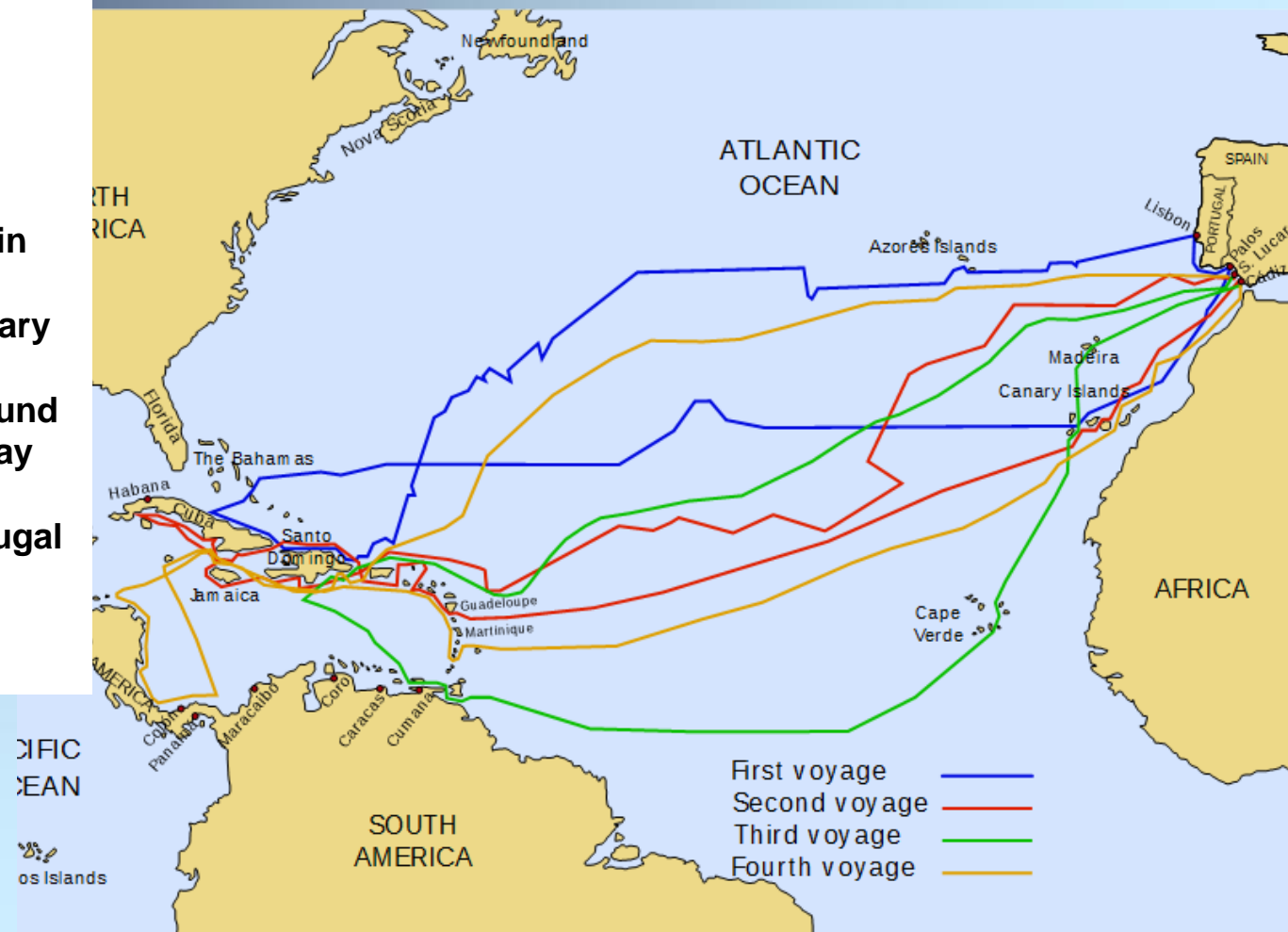
Technologies of Exploration

Christopher Columbus

3 ships
90 men

Aug 3, 1492 depart Spain
Aug 9, 1492 Canary
Sep 6, 1492 depart Canary
Oct 12, 1492 Land
Dec 25, 1492 St. M. aground
—40 men stay
Jan 15, 1493 depart
Mar 5, 1493 arrive Portugal

34 days – no land

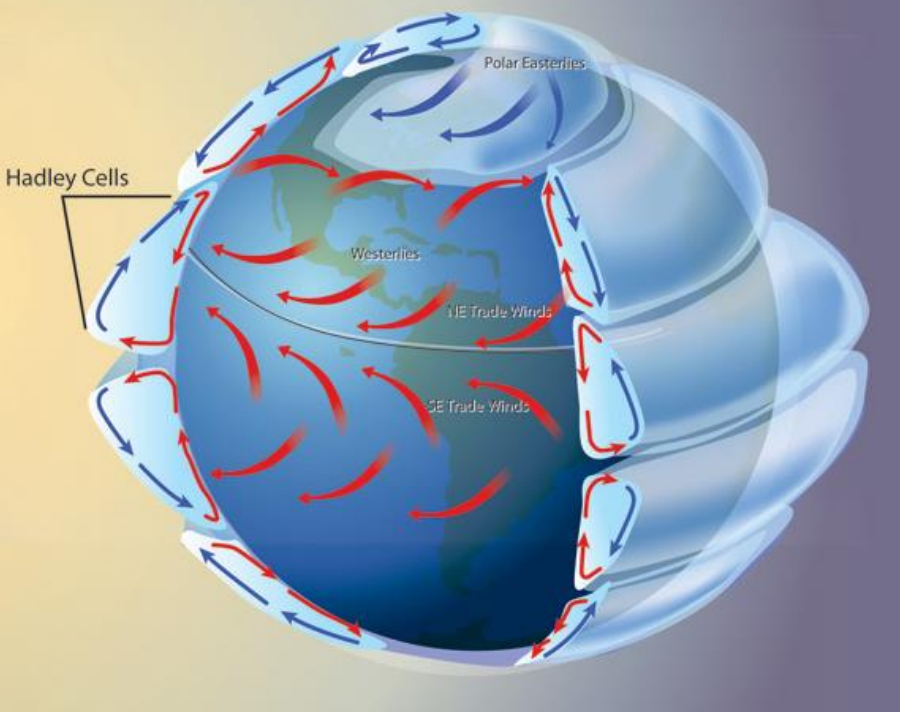
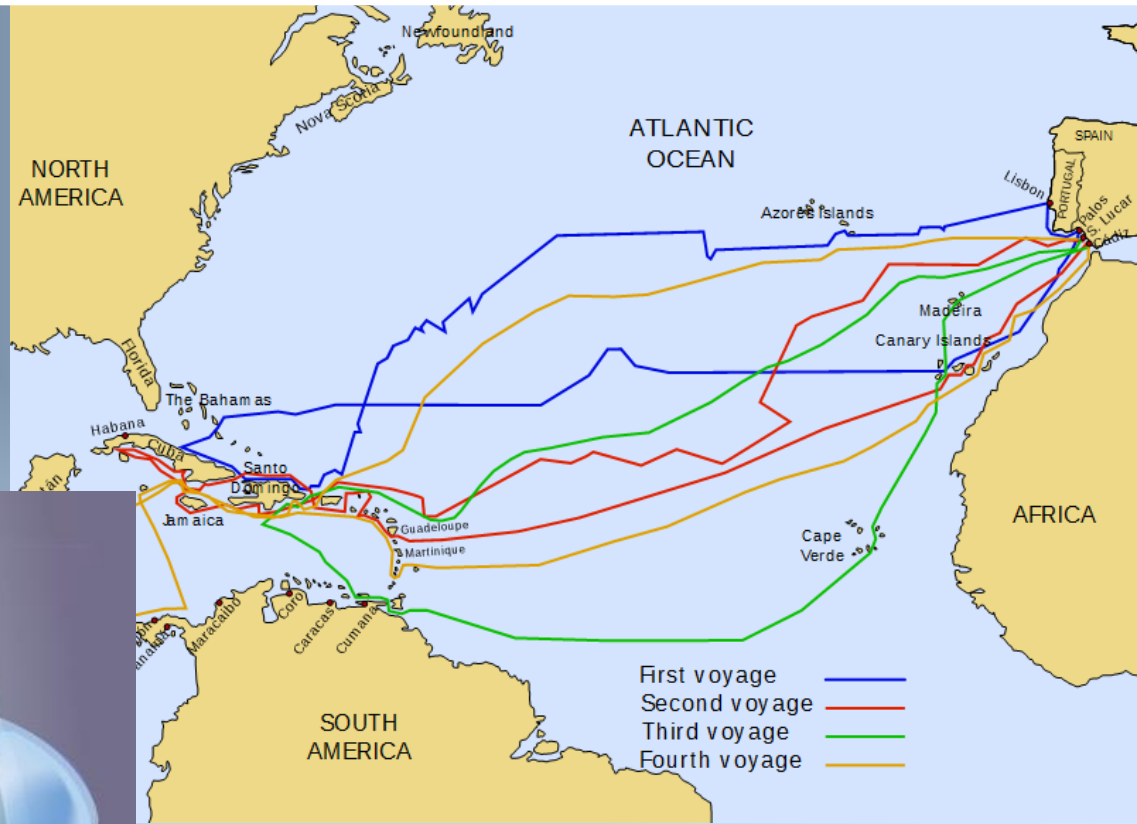


History 103 — World History to 1500

Technologies of Exploration

Christopher Columbus

Go where the wind blows

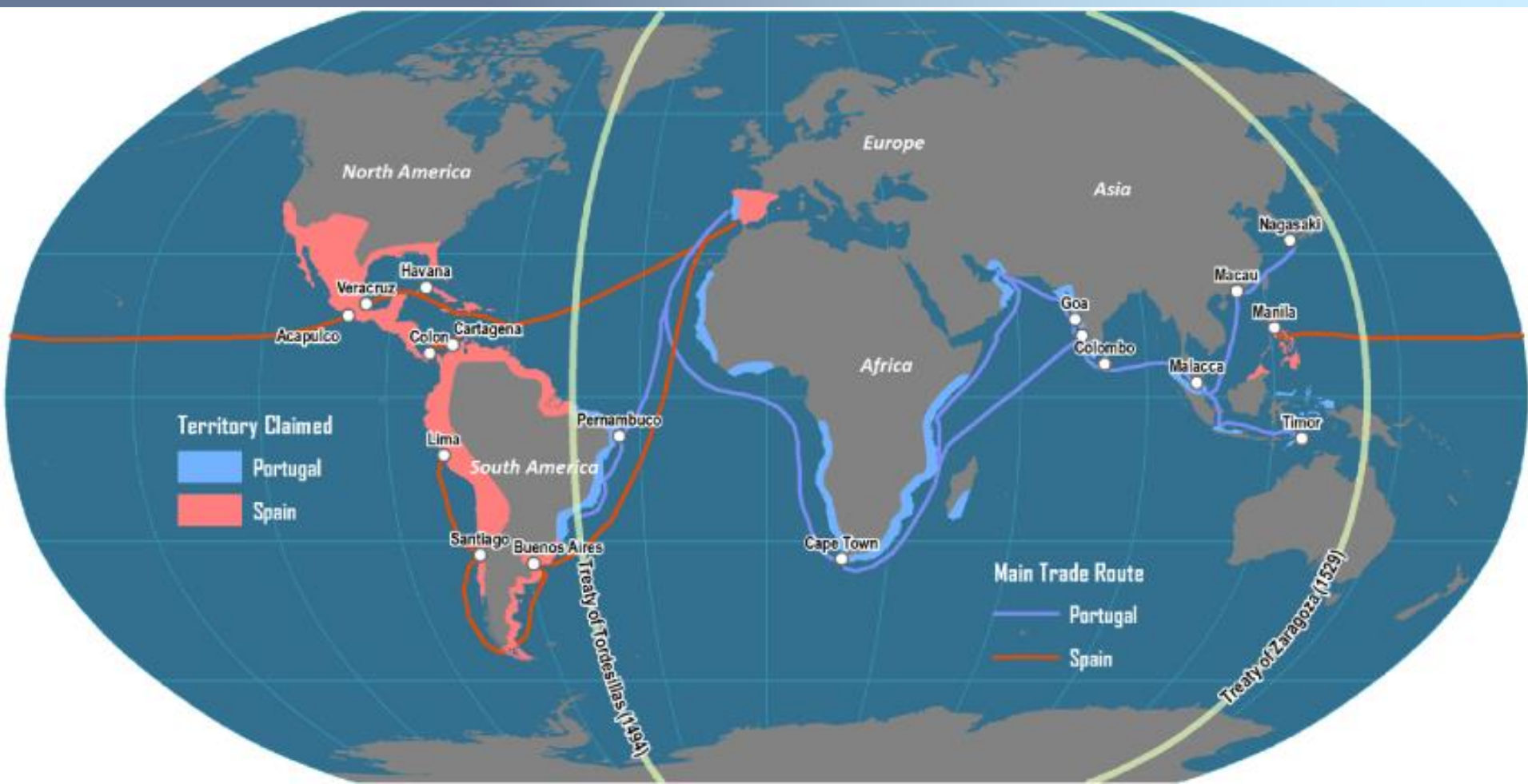


History 103 — World History to 1500

Then... Pope makes Spain and Portugal “play nice”

1494 Treaty of Tordesillas - 370 leagues/1,184 n.mi west of Cape Verde Islands

1529 Treaty of Zaragoza – antimeridian



History 103 — World History to 1500

Spain and Portugal

First the Portuguese

Trading Posts

Then the Spanish

Conquistadors

Different attitudes towards intermarriage and establishment of settlements



God, Glory and Gold

Motives



★ The 3 G's

★ God

- ★ religious fervor
- ★ convert natives

★ Gold

- ★ expand trade - esp. spices & precious metals
- ★ profit

★ Glory

- ★ adventure
- ★ power
- ★ national pride

History 103 — World History to 1500

Spanish Treasure Ships and the Manila Galleons

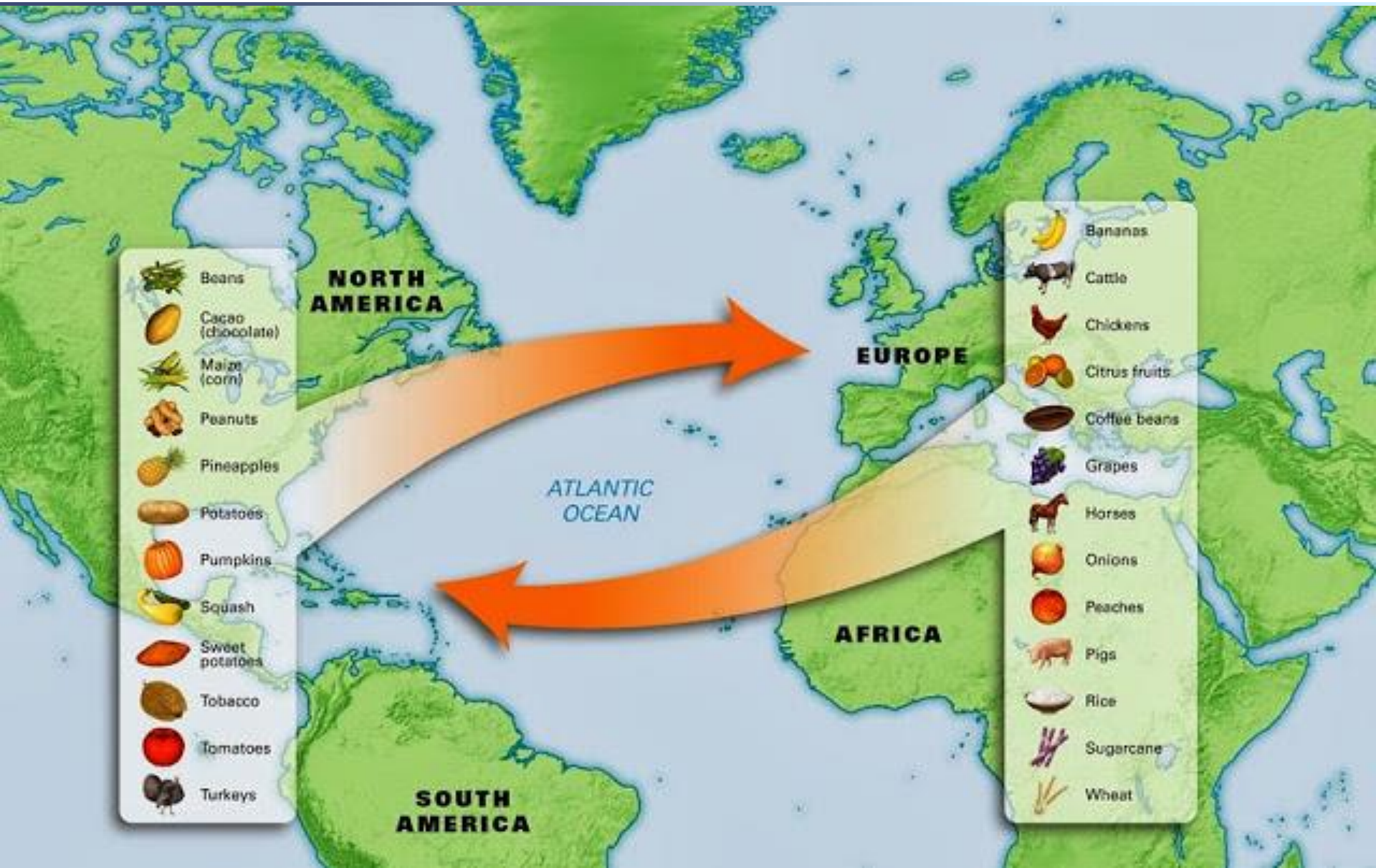
Mostly Silver

1503 – 1650

(17,500 tons Ag vs 200 tons Au)
(98% by weight, 85% by value)



The Columbian Exchange



Columbian Exchange – part 2

New World

Precious metals:
Gold
Silver

Agriculture:
Tobacco
Corn
Potatoes
Pineapples
Tomatoes
Vanilla
Chocolate

Disease:
Syphilis

Old World

Agriculture:
Wheat
Sugar
Rice
Coffee

Livestock:
Horses
Cows
Pigs

Disease:
Smallpox
Diphtheria
Bubonic plague
Measles
Influenza
Typhus
Scarlet Fever

1493

UNCOVERING THE NEW WORLD
COLUMBUS CREATED



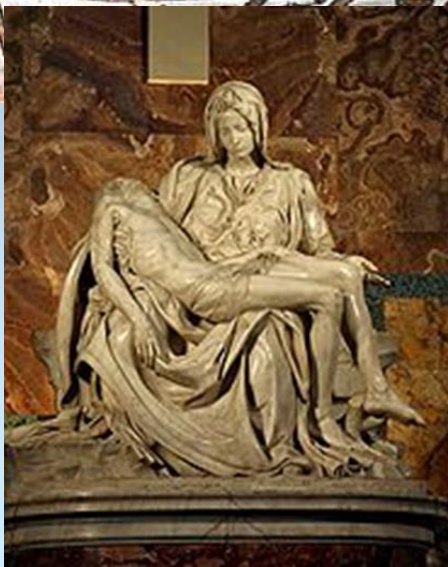
CHARLES C. MANN

Course Evaluation

*Online?
Already done?*



Next...Final Exam – Ch. 12-14



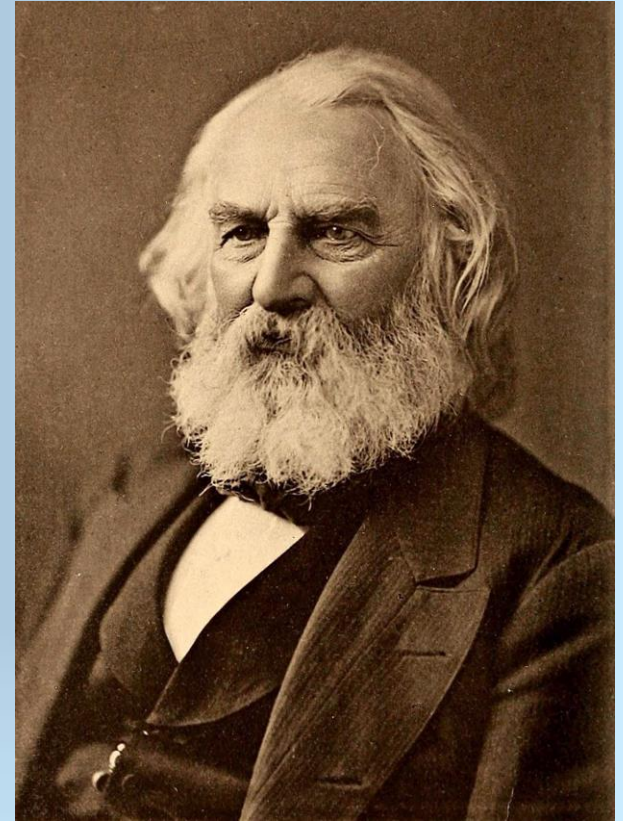
Christmas Bells

Henry Wadsworth Longfellow

I heard the bells on Christmas Day
Their old, familiar carols play,
And wild and sweet
The words repeat
Of peace on earth, good-will to men!

And thought how, as the day had come,
The belfries of all Christendom
Had rolled along
The unbroken song
Of peace on earth, good-will to men!

Till ringing, singing on its way,
The world revolved from night to day,
A voice, a chime,
A chant sublime
Of peace on earth, good-will to men!



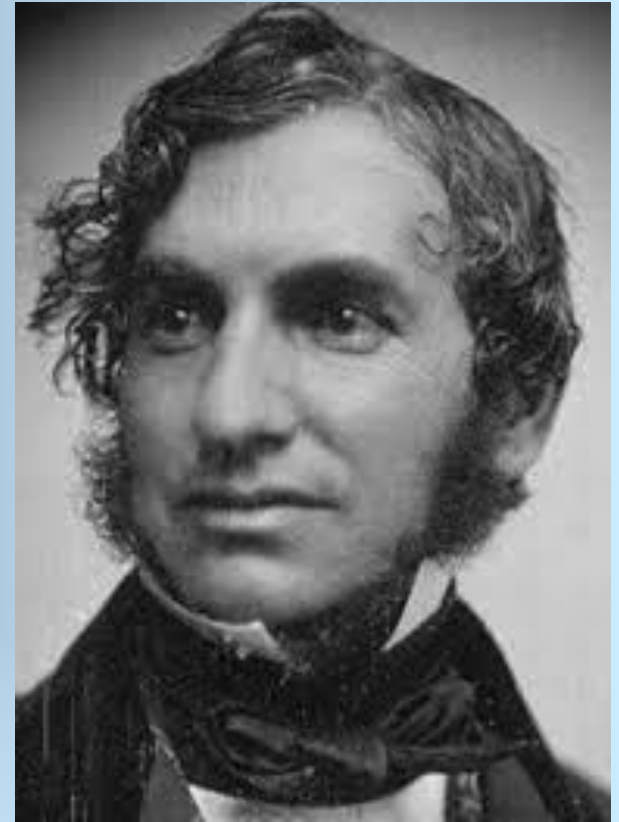
Christmas Bells

Henry Wadsworth Longfellow

I heard the bells on Christmas Day
Their old, familiar carols play,
And wild and sweet
The words repeat
Of peace on earth, good-will to men!

And thought how, as the day had come,
The belfries of all Christendom
Had rolled along
The unbroken song
Of peace on earth, good-will to men!

Till ringing, singing on its way,
The world revolved from night to day,
A voice, a chime,
A chant sublime
Of peace on earth, good-will to men!



Christmas Bells

Henry Wadsworth Longfellow

I heard the bells on Christmas Day
Their old, familiar carols play,
 And wild and sweet
 The words repeat
Of peace on earth, good-will to men!

And thought how, as the day had come,
The belfries of all Christendom
 Had rolled along
 The unbroken song
Of peace on earth, good-will to men!

Till ringing, singing on its way,
The world revolved from night to day,
 A voice, a chime,
 A chant sublime
Of peace on earth, good-will to men!

Then from each black, accursed mouth
The cannon thundered in the South,
 And with the sound
 The carols drowned
Of peace on earth, good-will to men!

It was as if an earthquake rent
The hearth-stones of a continent,
 And made forlorn
 The households born
Of peace on earth, good-will to men!

And in despair I bowed my head;
"There is no peace on earth," I said;
 "For hate is strong,
 And mocks the song
Of peace on earth, good-will to men!"

Then pealed the bells more loud and deep:
"God is not dead, nor doth He sleep;
 The Wrong shall fail,
 The Right prevail,
With peace on earth, good-will to men."