



# VOYAGES OF DISCOVERY

- The first sailing vessels (3000 B.C.) were powered by wind
- Sails were an important discovery because they allowed for faster and further travel offshore and opened oceans and seas for trade



# VOYAGES OF DISCOVERY

- The Phoenicians (2000 B.C.)
  - Earliest skilled ocean traders
  - By 700 B.C. they sailed around Africa
  - By 150 B.C. sailed north as far as Great Britain
  - Accurate maps were created by Ptolemy based on Phoenician's observations



The Phoenicians

# VOYAGES OF DISCOVERY

- The Vikings (700 -1200 A.D.)
  - Extremely successful even during the dark ages
  - Origin was present day Norway, Sweden, and Denmark
  - Plundered much of Europe and sailed as far as North Africa and North America





The Vikings

# VOYAGES OF DISCOVERY

- The Vikings (continued)
  - Ship design was far superior to anything else afloat at the time
  - Ships were 45-90 feet in length and powered by sail and oar
  - Flattened bottoms which allowed them access to shallow waters





The Vikings





The Vikings

# VOYAGES OF DISCOVERY

- The Vikings (continued)
  - Leif Eriksson and the Vikings are now credited as the first europeans to discover North America
  - Exploration for the Vikings ended with the dark ages when a rebirth in ocean exploration began





Leif Eriksson

# VOYAGES OF DISCOVERY

- Columbus (1451 - 1506)
  - Italian explorer who was thought to be the first explorer to discover the America
  - Columbus is now credited as the explorer to establish permanent settlements in the America with his four voyage across the Atlantic Ocean



# VOYAGES OF DISCOVERY

- Balboa (1475 - 1519)
  - Spanish explorer (Conquistador) who was the first to cross the isthmus of Panama (by land) and see the Pacific Ocean
    - Isthmus- small stretch of land that separates two large bodies of water



# VOYAGES OF DISCOVERY

- Magellan (1480 - 1521)
  - Portuguese explorer who was the first to circumnavigate the world
    - Circumnavigate- to sail all the way around





Magellan's Circumnavigation of the World

# VOYAGES OF DISCOVERY

- Magellan (continued)
  - Sailed west with five ships and 290 men
  - Three years later one ship and 18 men returned to Spain
  - Magellan was killed in the Philippines and did not return
  - Most of the crew was killed during mutinies or died from disease or shipwrecks





Battle of Mactan (Magellan's Death)



# FERDINAND MAGELLAN

Ferdinand Magellan Biography

# VOYAGES OF DISCOVERY

- Verrazano (1485 - 1528)
  - Italian explorer who explored the coast of North America from Massachusetts to Georgia



# VOYAGES OF DISCOVERY

- Cartier (1491 - 1557)
  - French explorer that traveled along the St. Lawrence River and the eastern coast of Canada



# JACQUES CARTIER



Jacques Cartier Biography

# VOYAGES OF DISCOVERY

- Henry Hudson (1565 - 1611)
  - English explorer that traveled and mapped the Hudson River



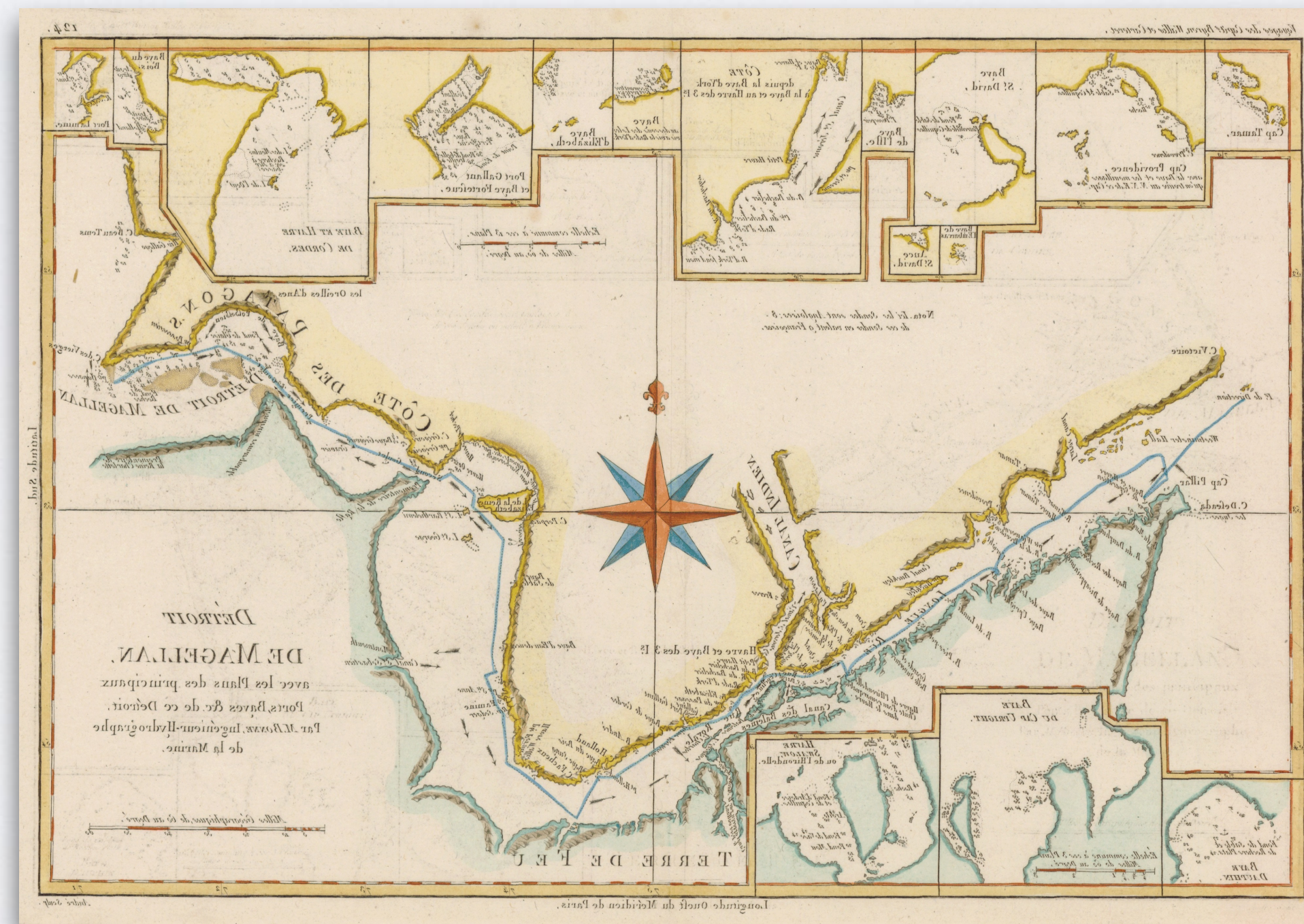


# HENRY HUDSON

Henry Hudson Biography

# VOYAGES OF DISCOVERY

- Each of these explorers undertook dangerous journeys resulting in amazingly accurate maps of the regions which they explored





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