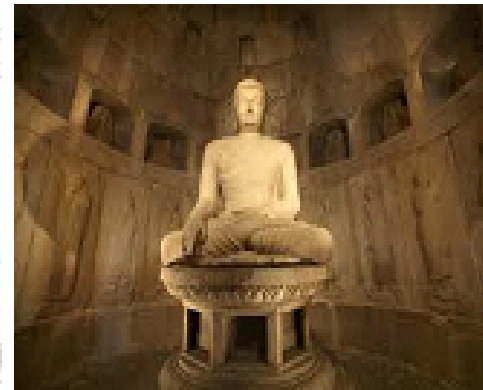
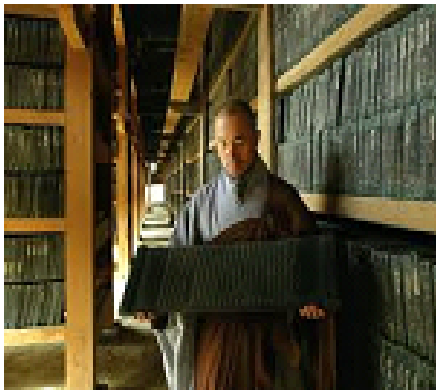


# Korean Innovations: why we should learn about Korea?



# Why learn about Korea?

- What do Americans know about Korea?  
North and South Korea division





1. Democratic People's Republic of Korea established on September 9<sup>th</sup> 1948
2. Family dynasty of 3 leaders: Kim IL-Sung, Kim Jong-II, and Kim Jong-Un
3. Slightly larger than South Korea with less populations of about 25 million/46,528 sq miles
4. Economy ranked 120<sup>th</sup> (CIA Website)
5. GNP – approximately 46 Billion
6. “Juche” 주체 “self-reliance” -- the Korean masses are the masters of the country's development. Not communist (2009)
7. Interesting fact: the year is 102 not 2015.



1. The Republic of Korea established on August 15<sup>th</sup> 1948
2. President Park Gun-Hye (daughter of Park Chung-Hee)
3. “Hongik Ingan” "홍익인간" “To live and work for the benefit of all mankind”
4. 38,691 sq miles
5. Economy ranked 14<sup>th</sup> (CIA Website)
6. GNP – approximately 1.790 Trillion (2014)
7. High speed internet, ship-building, natural gas, electronics and automobiles.
8. Interesting fact: Shares same national anthem with North Korea: “Aeguka”  
애국가
9. Interesting fact II: Age: After the New Year passes, everyone in Korea automatically ages one year, even if they haven’t had their actual birthday yet. subtract the year of your birth from the current year and then add one.

# Printing



1. The Tripitaka Koreana (Goryeo Dynasty Tripitaka) are the world's only collection of wooden printing blocks for the Buddhist scriptures that are written in classical Chinese
2. "Pal-man-dae-jang- geong" 팔만대장경 first edition 1087
3. Destroyed by Khitan invaders in 1234. Second edition completed in 1251.
4. Haein Temple (Haeinsa) South Gyeongsang Province South Korea

# Jikji

- Jikji (Baegun hwasang chorok buljo jikji simche yojeol) is the oldest metal printing book which was written by the Buddhist monk Baegun. It is published in the period of Goryeo Dynasty in 1377. 78 years before Guttenberg's bible



- Where is it?

# Metal Printing

- National Library of France (Manuscrits Orientaux division).
- The first volume is placed in National Library of France and the second volume is placed in National Library of Korea.
- Victor Emile Mare Joseph Collin de Plancy and Henri Véver



# Hangeul

1. Of the spoken languages all over the world, only one percent is written. One of the youngest in the world.
2. Ural-Altaic designed to resemble the speech organs, heaven, earth, man, and eum/yang
3. Hunmin Jeongeum (correct sounds of the people) 1443

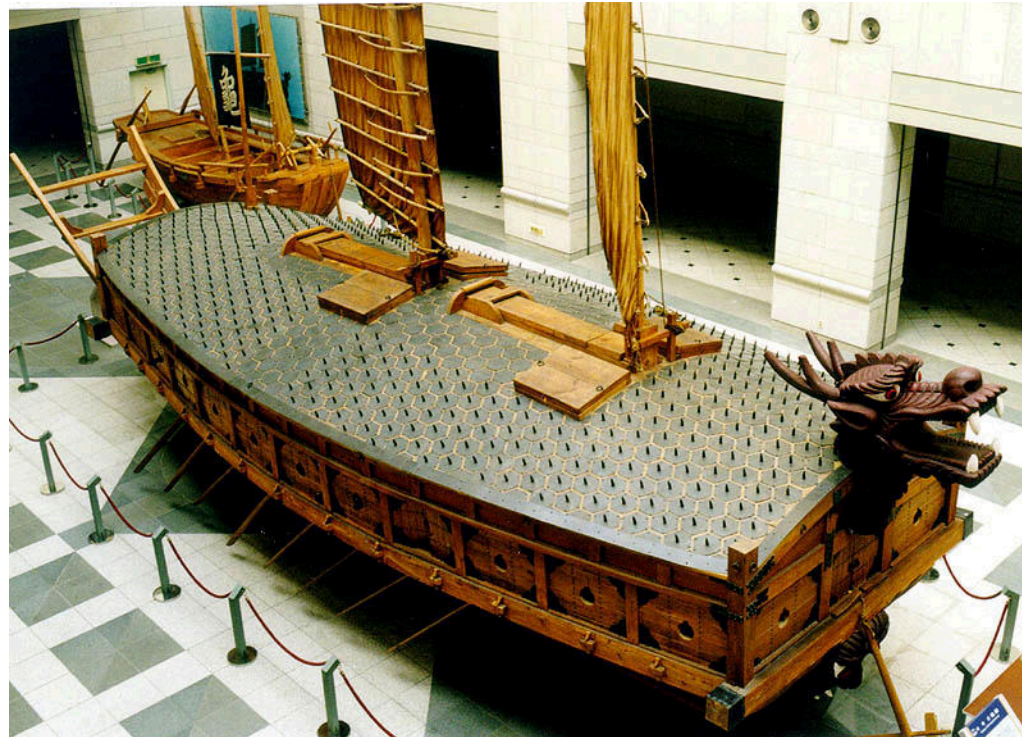




# Ju Si-gyeong

- *Ju Si-gyeong* (December 22, 1876 – July 27, 1914)
- Modernized Korean language and coined the name Hangeul (한글) between 1910 and 1913 to identify the Korean writing system
- He introduced Korean parts of speech.
- Korean is now used by tribes Indonesia and Nepal.

# Turtle Ship (Gobukseon)



# Yi Sun-sin



# Yi Sun-sin and the Turtle Ship

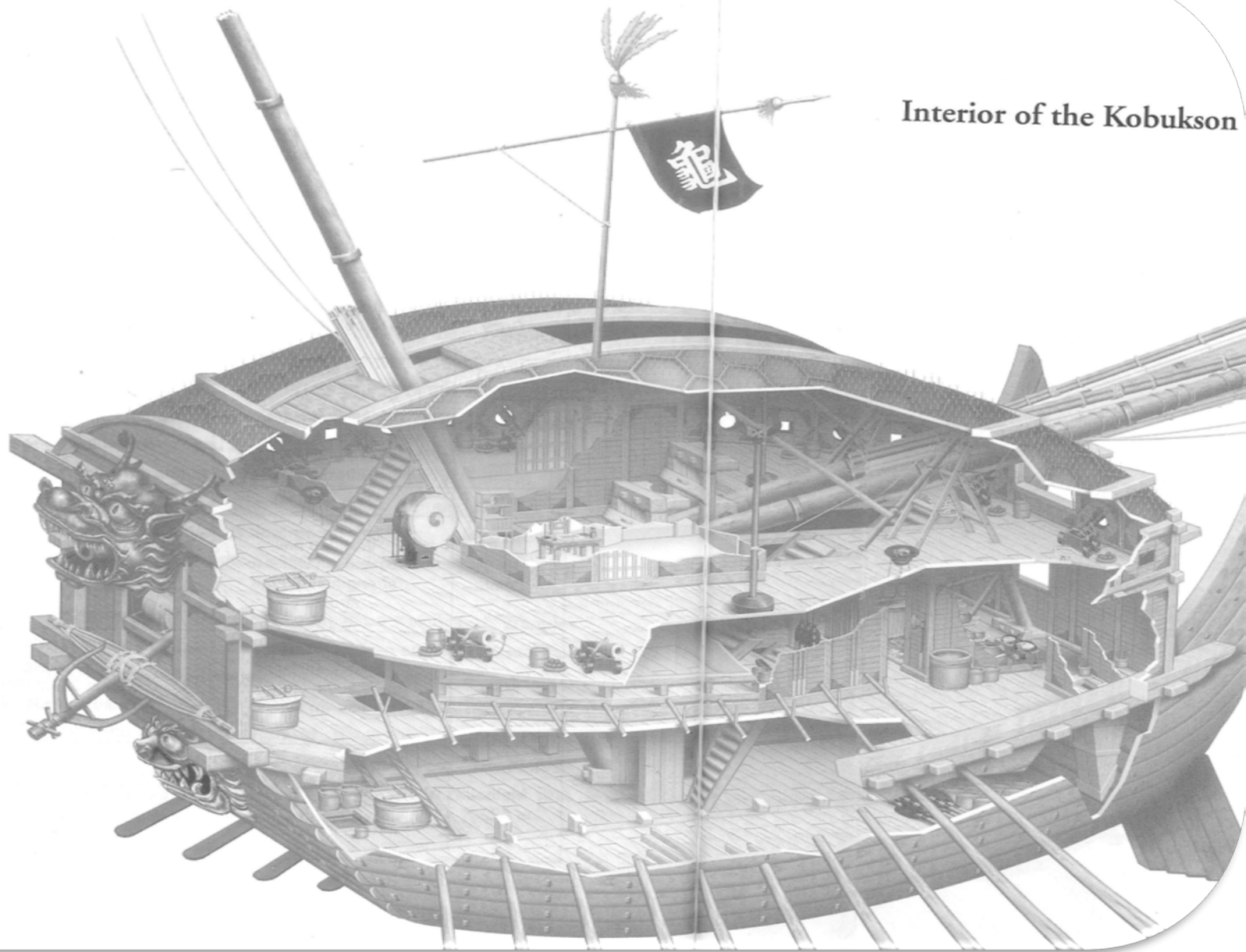
## Yi Sun-sin

- Admiral Yi is considered one of Korea's greatest heroes of all time. Koreans look upon Yi as a man of courage, perseverance, strength, self-sacrifice, intellect, and loyalty to his country.
- Repelled 300,000 Japanese troops in 1592 and 1597
- Never lost a battle.
- The Battle of Myongyang, a Martine Miracle (outnumbered 133 -13 destroyed 33 ships)

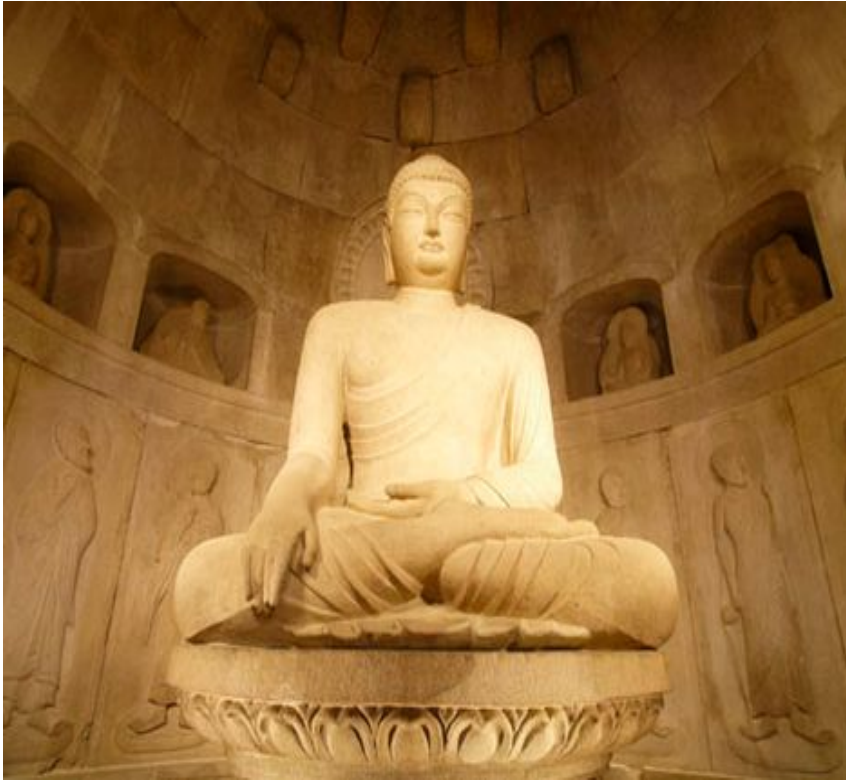
## Turtle Ship

- 34.2 (109 feet) meters in length, 6.4 meters in height, 10 meters in width.
- The prow was fashioned like a dragon head; cannon balls are fired through the mouth (starboard – arrows/cannons)
- The turtle's "shell" is made of planks covered with iron spikes (straw mats)

Interior of the Kobukson



# Seokkuram Grotto



- The World's only man-made grotto
- Built in the 8<sup>th</sup> century near the Bulkuksa Temple
- Solid Granite Cave
- The Buddha is surrounded by fifteen panels of bodhisattvas, arhats and ancient Indian gods in the rotunda and is accompanied by ten statues in niches along the rotunda wall.
- "Rediscovered" in the 20<sup>th</sup> century
- The dome of the rotunda is 22 ft high (6.84) to almost 22 ft (6.58 m) in diameter. 2,400 feet above sea level on Mt. Toham (san)

# Cheomseongdae 첨성대 (7<sup>th</sup> century)





# Hwacha 화차 (1448)



# South Korea Now

- #1 shipbuilding
- # 1 Global Market Share Flat Screen, LCD (Liquid Crystal Display), Smart Phone, Memory Chip and Washer and Dryer
- Fastest High Speed Internet and the leaders of the digital revolution
- 4G LTE A 150 mbps
- %97 wired
- %100 wireless
- First to have broadband in schools and every school has internet access (%20 in the United States).
- %50 percent faster than Japan (#2)
- 500x faster than the world average and cheaper. Average cost in Korea is about \$19 per family USA \$102 (2012)
- Tops the United Nation's ICT (Information and Communication Technology) Report.

감사합니다

gam/sa/ham/ni/da

**Thank You**