

How much has changed since 1909?

Our profession was almost 40 years old in America at that time



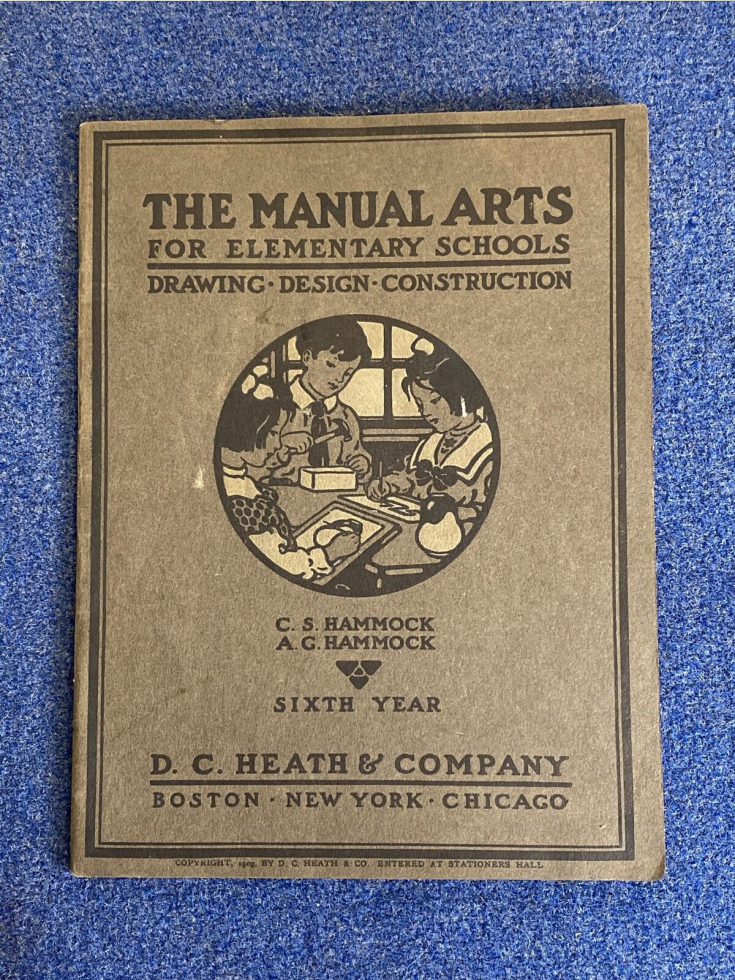
MANUAL ARTS CLASSES 1908



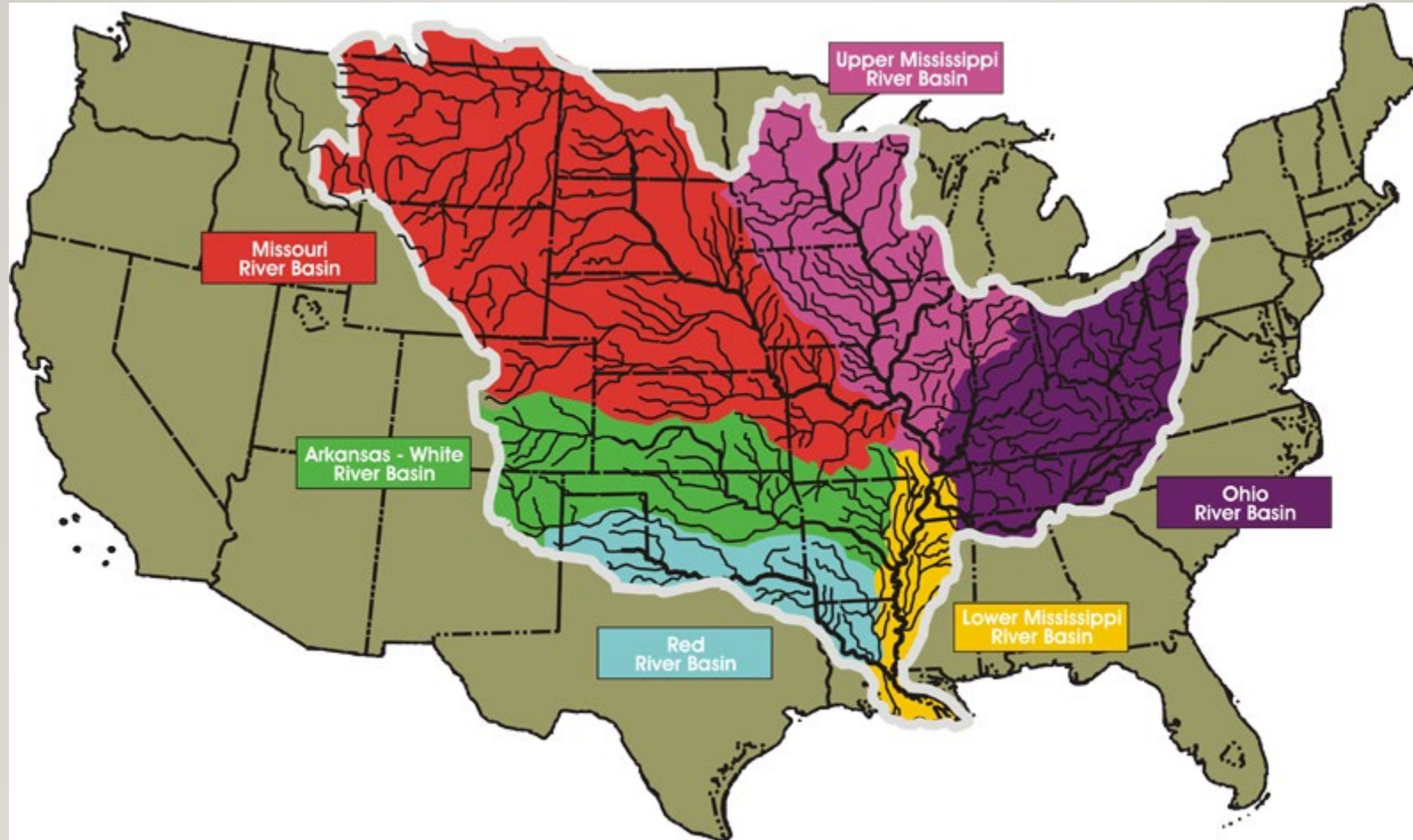
MANUAL ARTS/TRAINING HIGH SCHOOLS WERE TRENDING



MANUAL ARTS TEXT
PUBLISHED IN 1909



We Didn't All Agree Philosophically



CHANGES IN EDUCATION

- Less than 20 percent of Americans had a high school diploma in 1909
 - The secondary school year was 151 days, but the average student only attended 105
- Less than 4 percent of Americans had a college degree in 1909
 - Harvard and Yale still allowed students to settle disputes involving honor using duels
- In 1909—there were about 200,000 college students in the United States.
 - The three largest universities today: The Ohio State University (61,677), University of Central Florida (68,442), and Texas A&M (74,829) **enroll more students.**

HOME LIFE IN 1909

- Five percent of American homes had electricity. One percent had indoor plumbing
 - Today more than 98 percent of American homes have a telephone, electricity, and a flush toilet.
- The average American sent one telegraph message per year
- The average American made .02 telephone calls per year
- Air conditioning had not been invented
- No one owned a television set

TRANSPORTATION

- Horse and carriage was the primary mode of transportation
- One percent of Americans owned an automobile (today 91%)
 - Ford's assembly line was one-year old!
- Roadways were not plentiful—nor maps
- Most travelers would follow waterways or rivers to reach their destination
- The only way to get to Europe was via ocean liner
 - White Star Line's started building the Titanic in 1909 in Belfast, Ireland. Her maiden voyage was 3 years away!
- The average American had never flown or seen an airplane.
 - The Wright Brothers had only flown at Kitty Hawk 6 years earlier
 - Today, the average American travels 1600 miles by air per year

INVENTIONS THAT HADN'T BEEN

- Penicillin had not been invented
- The jet engine had not been invented
- The television had not been invented
- The transistor had not been invented
- The polio vaccine had not been developed
- Microprocessors, computers, the Internet had not yet been invented—or envisioned!
- Social media consisted of actually talking to real people—in person

LIFE

- In 1909, one had to work 4 hours to afford a loaf of bread—today 0.2 hours
- Pneumonia, influenza and bronchitis (from air pollution) were the leading causes of death
- In the past 114 years:
 - Life expectancy has increased by 30 years
 - Infant mortality rates have fallen 10-fold
 - Air quality has improved by more than 50 percent
 - There has been a fourfold rise in the standard of living
 - There are 30 percent more trees today than there were in 1909
- Abraham Flexner, writing in the famous Flexner report on medical education in 1910, commented that until then, a random patient consulting a random physician had only a 50-50 chance of benefiting from the encounter.

SOME THINGS HAVEN'T CHANGED SINCE THE INCEPTION OF OUR PROFESSION

- Motto of the Manual Training School of Washington University (1880):

Hail to the skillful, cunning hand!

Hail to the cultured mind! Contending for the world's command.

Here let them be combined.

