

Cleveland Technical Societies Council
75th Anniversary List of

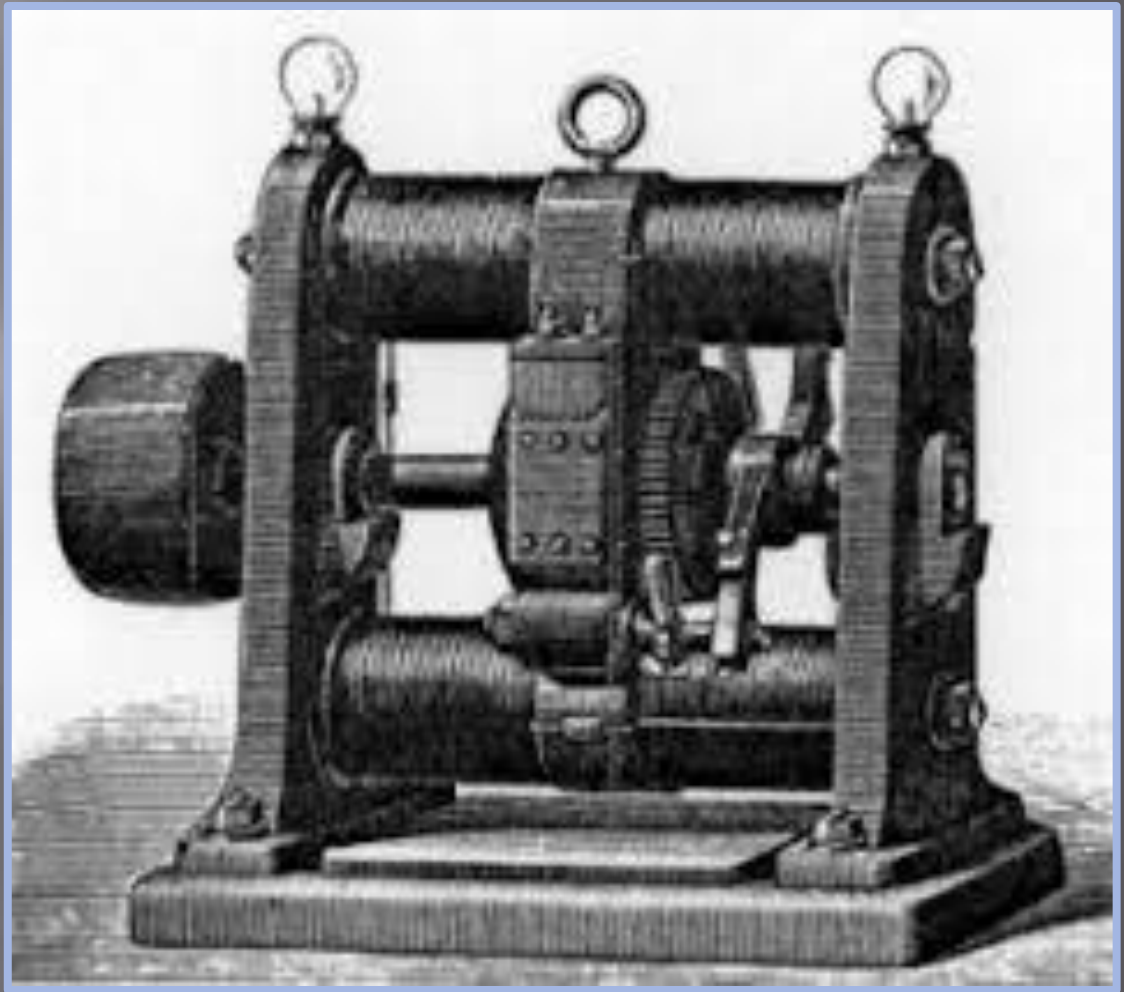
**CLEVELAND
FIRSTS!**



**A collection of noteworthy
technical events, developments
and products that have
Greater Cleveland
as their points of origin.**

1876

Charles F. Brush
patented the open
coil-type dynamo, a
forerunner of the
modern generator.



1879

Electric lighting of
public streets -
Charles F. Brush.



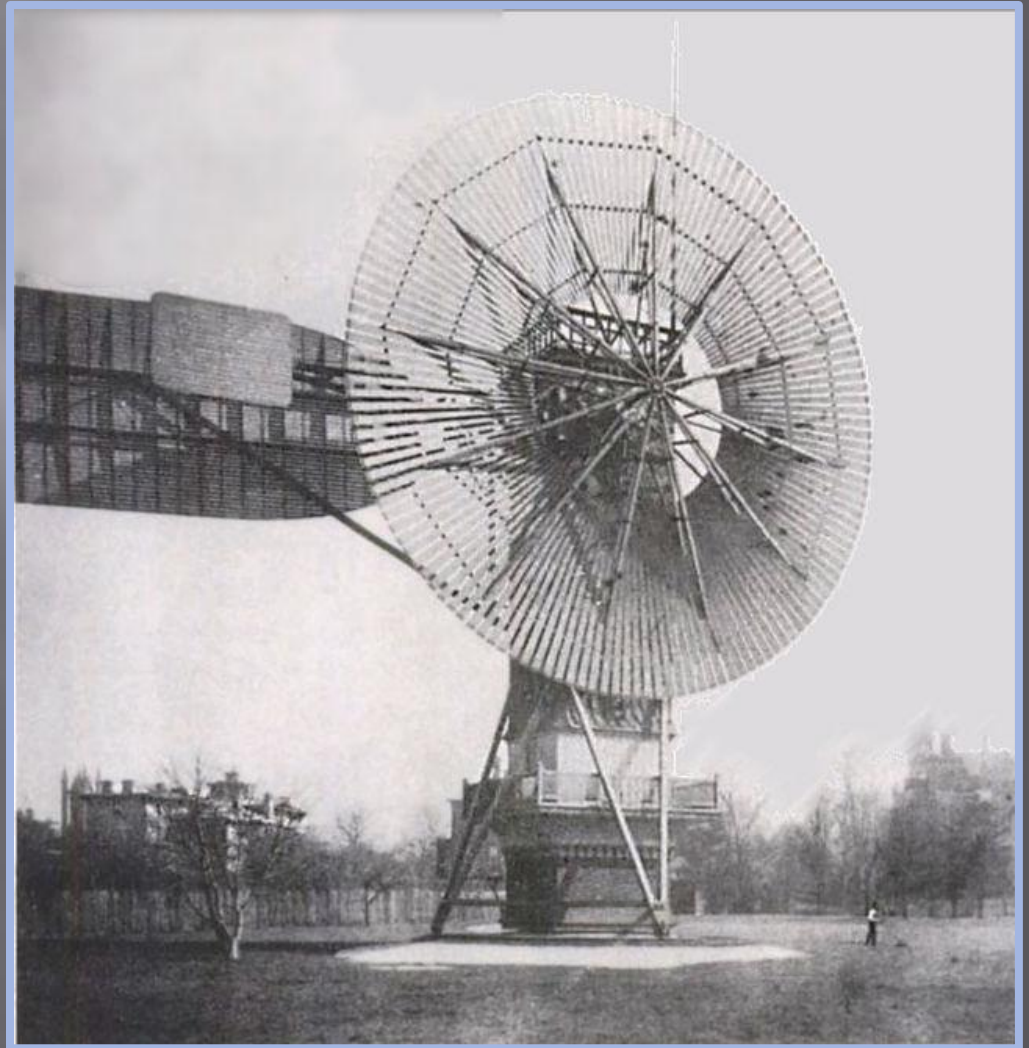
1880

First standardized
formula paints –
Sherwin-Williams Co.



1887

Charles Brush (1849-1929) built what is today believed to be the first automatically operating wind turbine for electricity generation.



1890

The Arcade — The first indoor shopping center.



1891

America's first gasoline-powered automobile was built by John W. Lambert.



1891

LifeSavers candy is created by Clarence Crane.

History of LIFE SAVERS



1892

The padded bicycle seat
is invented
by Cleveland
Arthur Lovett Garford.

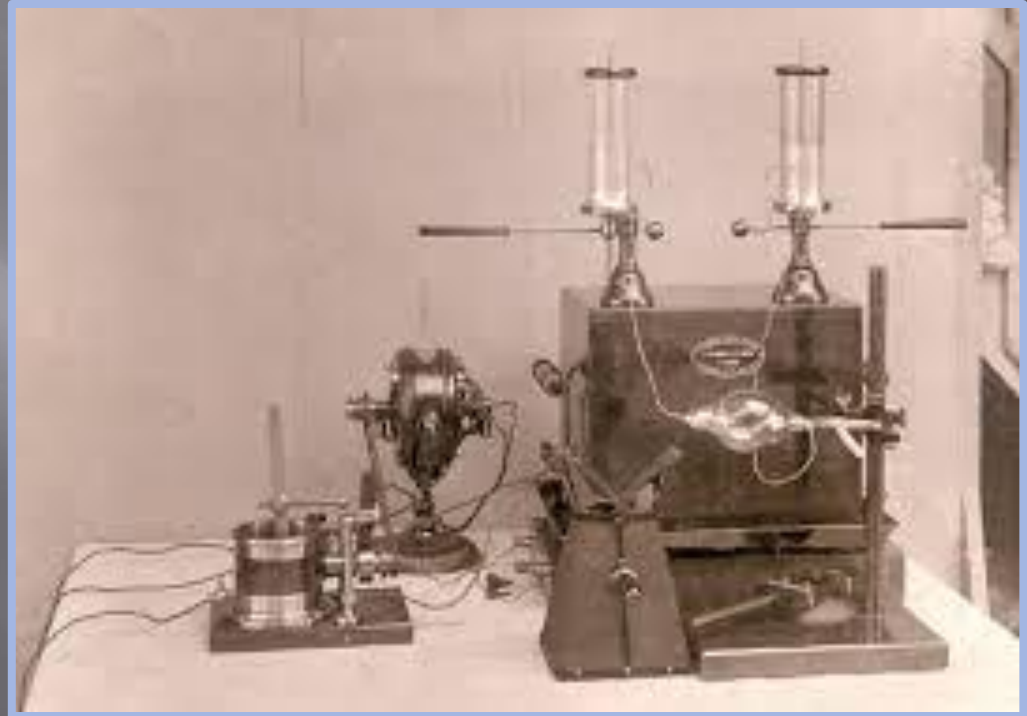


1896

X-ray machine and whole-body scanner is developed by Dayton C. Miller.

(Case School of Applied Science) +

The first X-Ray photograph in the U.S. - Dudley Wick.



1898

American-made standard
gasoline sale in the U.S. -
Alexander Winton



Alexander Winton

1899

Wound-rubber core golf ball – Coburn Haskell.



1900

The first Automobile Club
is established in Cleveland.



1901

Automobile steering wheel is developed by Alexander Winton.



1903

Harry Gammeter of Cleveland
patented the multigraph
duplicating machine, called the
“ditto machine.”



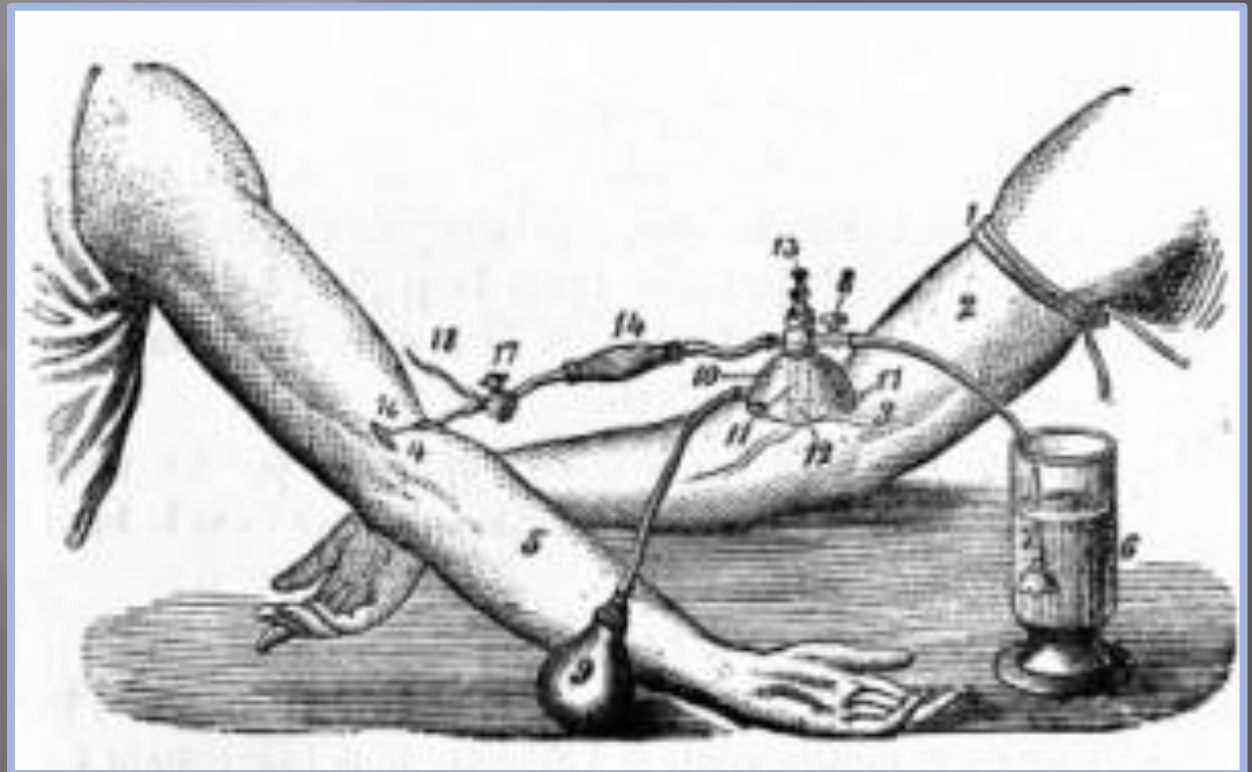
1904

Greater Cleveland developed
the first comprehensive
modern building code.



1905

The first blood transfusion
was performed by Dr.
George W. Crile, Sr.



1911

First planned industrial research park (General Electric's Nela Park).



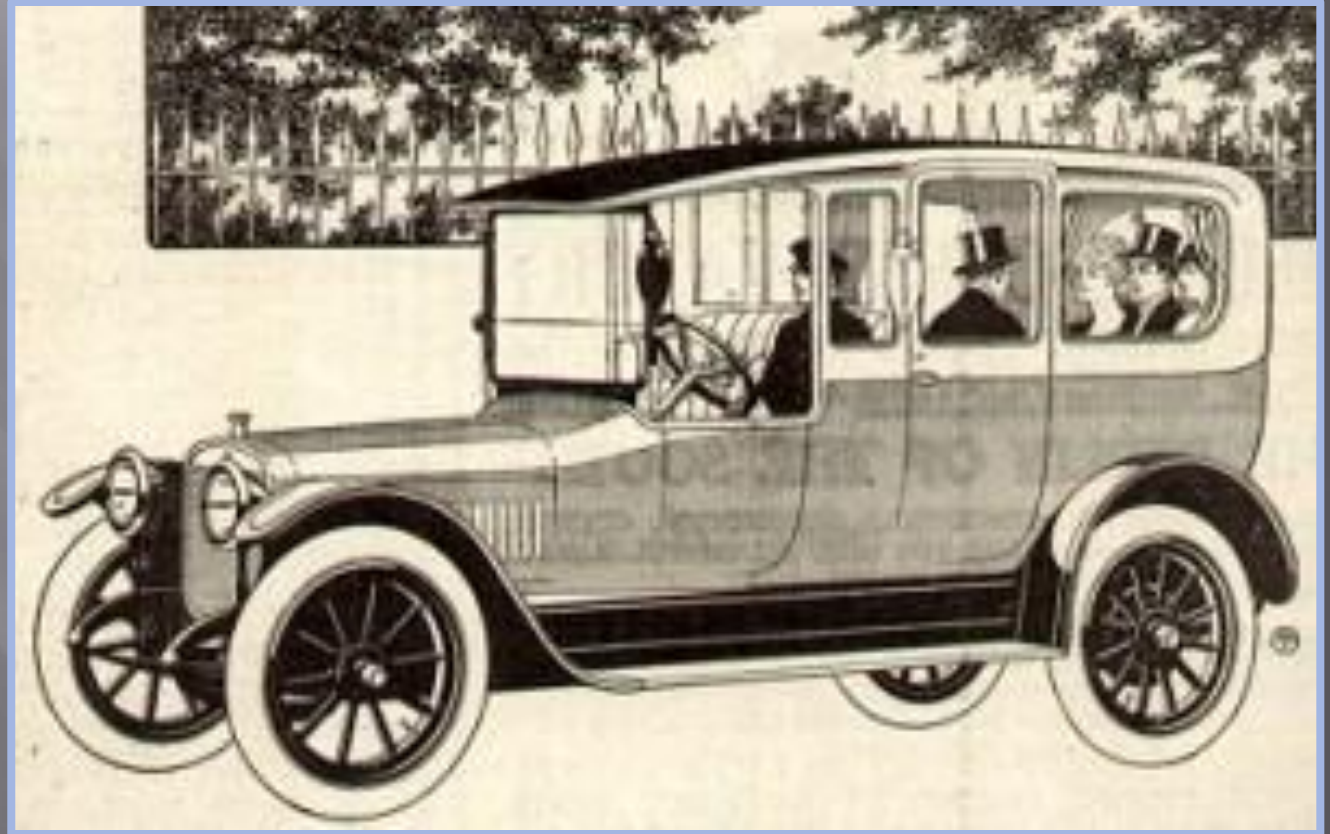
1912

World's first hybrid vehicle was created when Walter C. Baker coupled a gasoline engine and an electric motor in an automobile.



1913

First all American-made diesel engine was developed by the Winton Gas Engine and Manufacturing Company.



1913

E. F. Hauserman Company begins manufacturing modular, moveable interior steel partitions for office and factory “flex-spaces.”



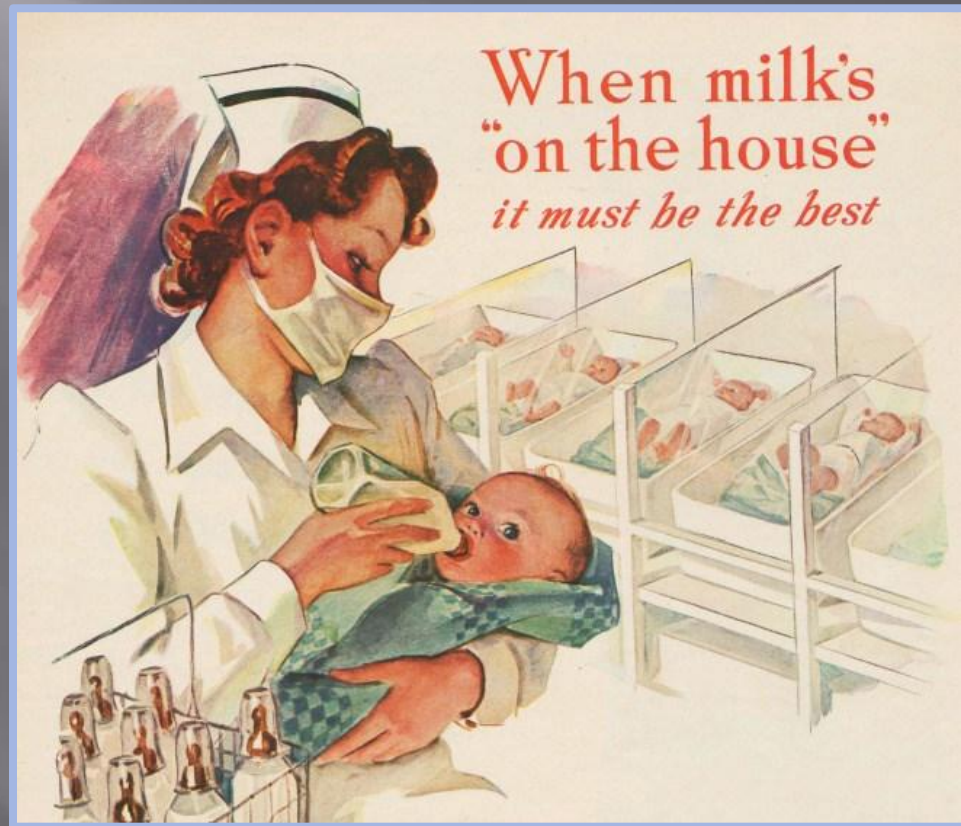
1915

On August 4, 1915,
the first electric traffic
signal was installed at
Euclid Avenue & East
105th Street.



1915

Dr. Henry J. Gerstenberger developed simulated milk formula for infants at Case.



1916

The first gas mask was successfully demonstrated at the Cleveland Waterworks explosion by Garrett A. Morgan.



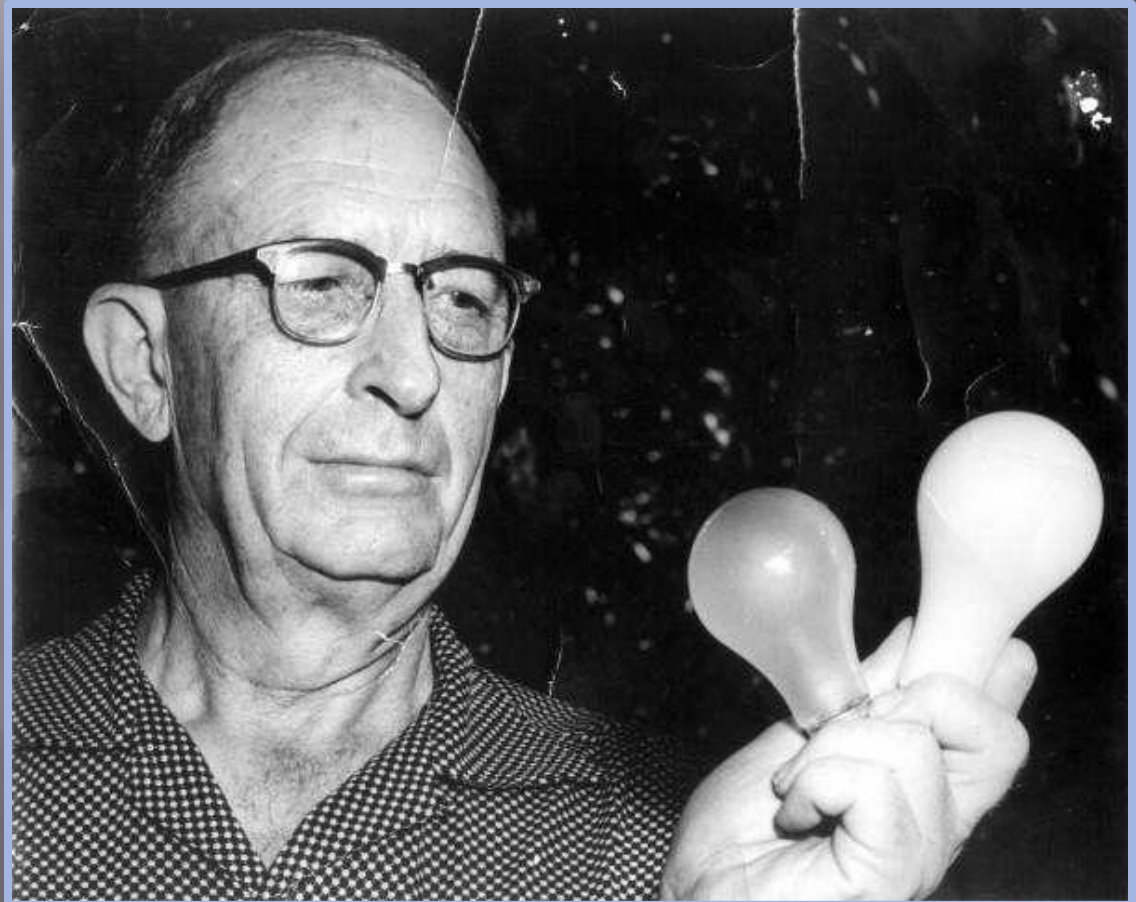
1927

Cleveland Hopkins International Airport is the first municipal airport and had the first air traffic control tower.



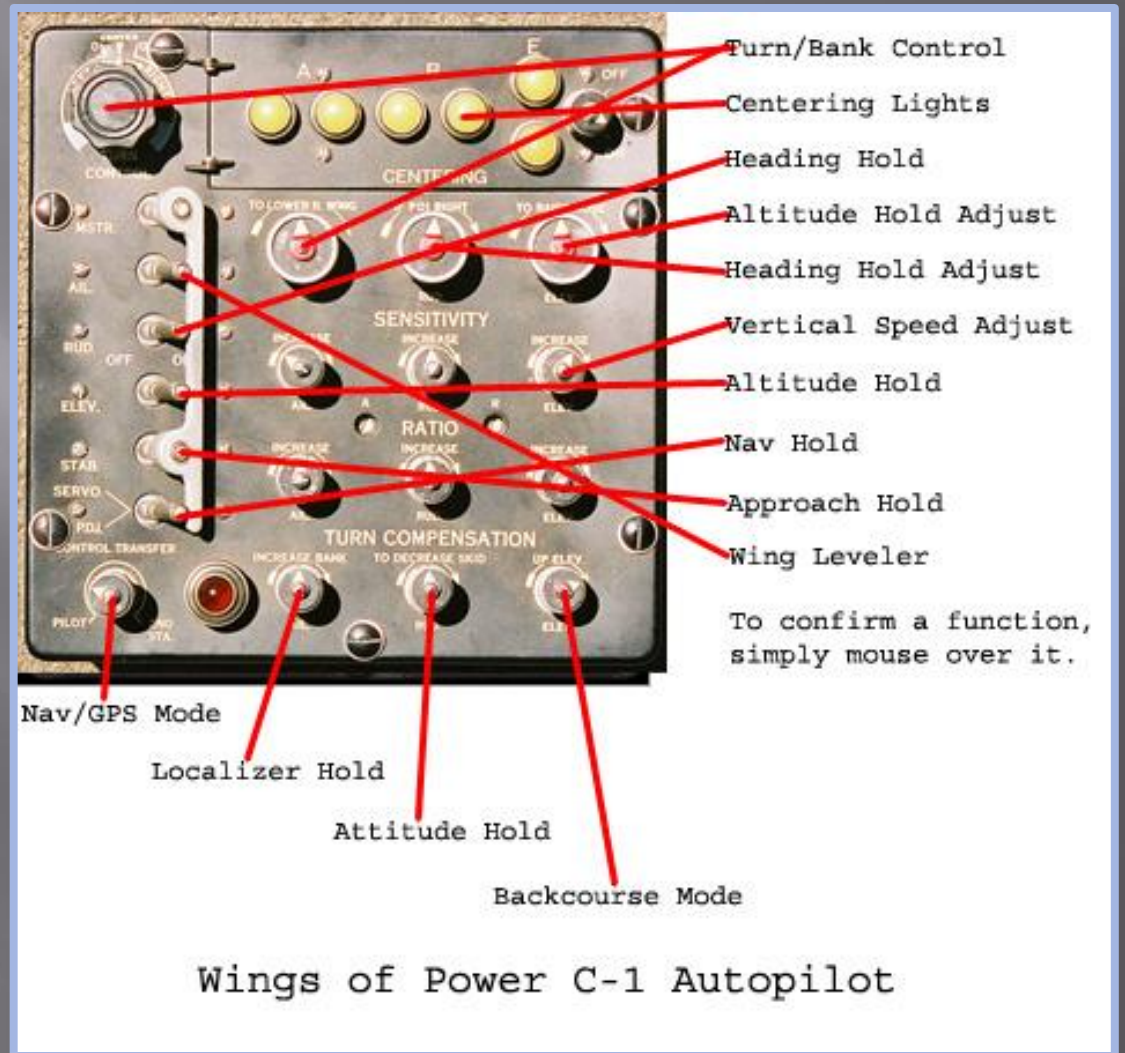
1928

The first frosted light bulbs were developed by Marvin Pipkin at Nela Park.



1929

First airplane automatic pilot was tested in Cleveland.



1935

Dr. Claude S. Beck
pioneered surgical
treatments of coronary
heart disease at
University Hospital.



Dr. Claude S. Beck

1947

First successful defibrillation of a human heart
by Dr. Claude S. Beck and colleagues at
University Hospitals.



1952

Dr. Claude S. Beck developed
Cardiopulmonary
Resuscitation (CPR) at Case.



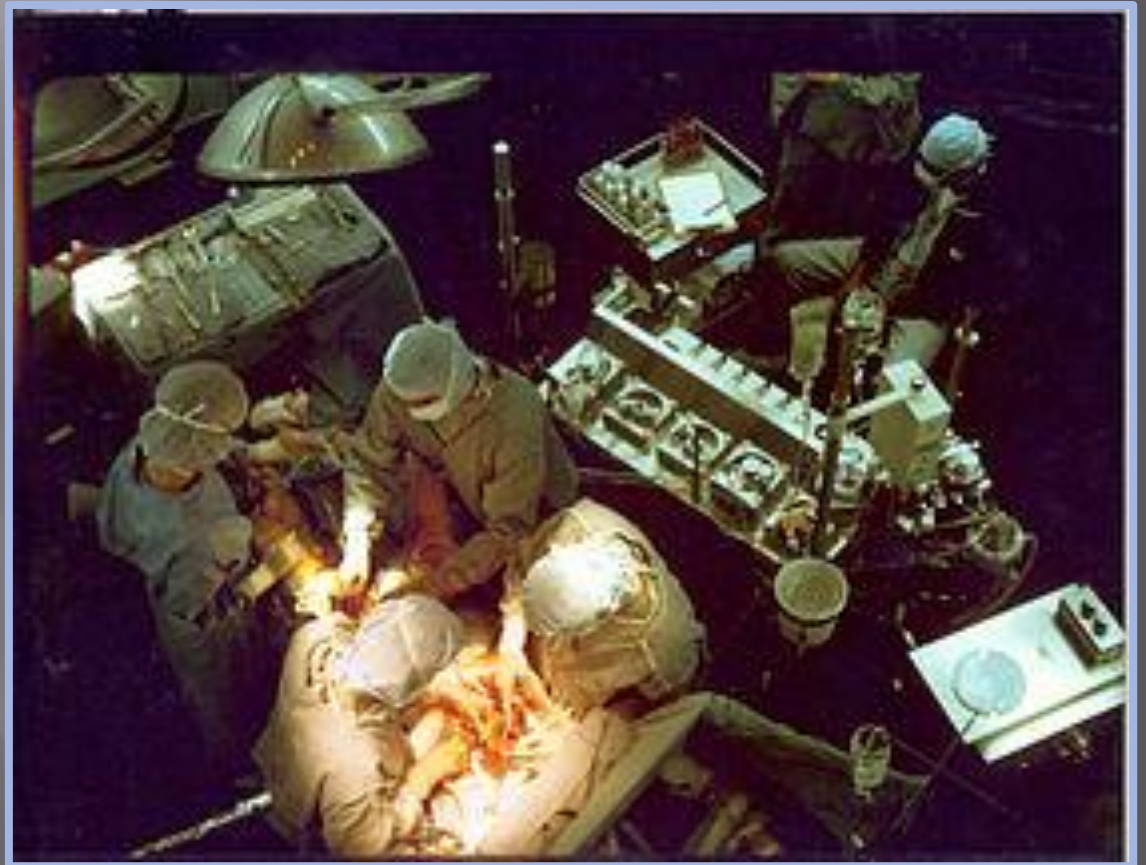
1958

Accessible suspended ceiling construction is pioneered by Donald A. Brown.



1967

The first coronary artery bypass surgery is performed by Dr. René Favaloro at the Cleveland Clinic.



1968

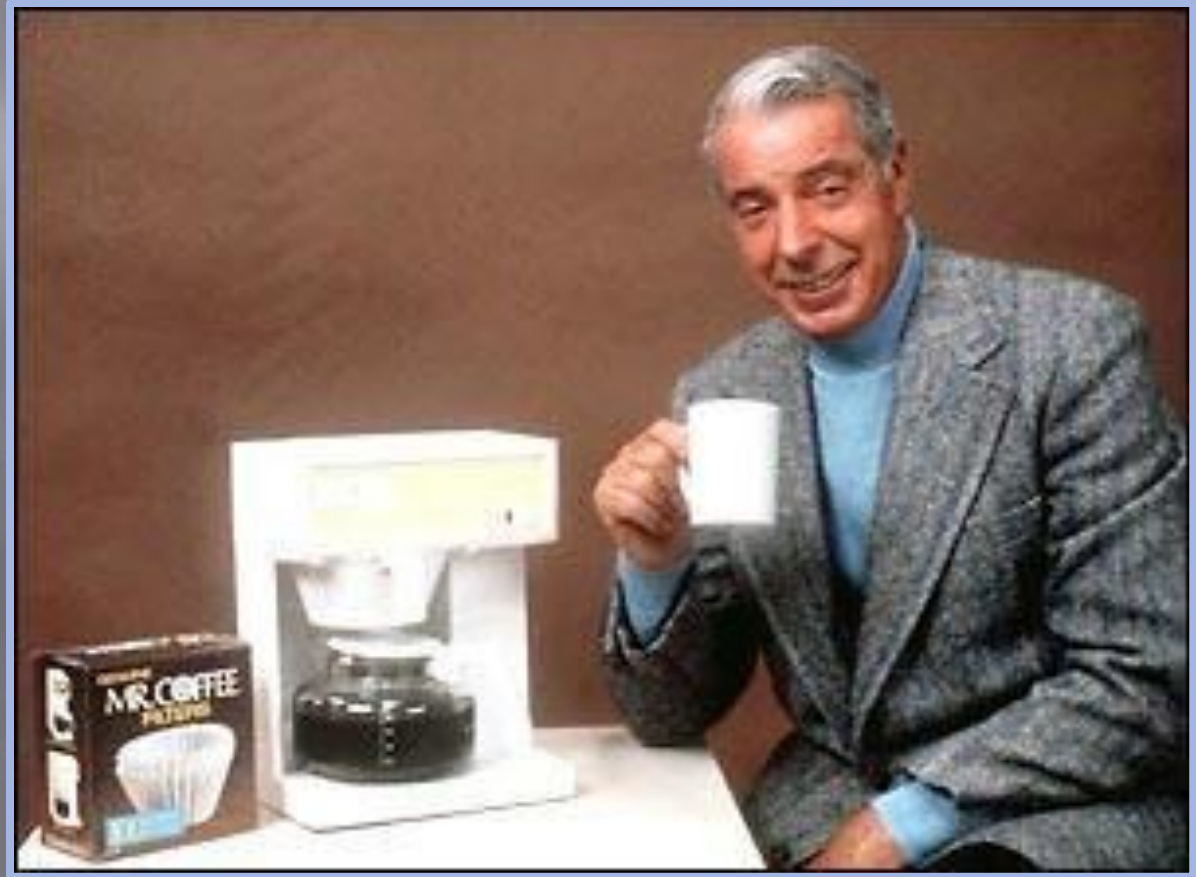
First transit rail service
from a city's airport
directly to its downtown is
unveiled in Cleveland.

CLEVELAND
TECHNICAL
SOCIETIES
COUNCIL **CLEVELAND
TECH FIRSTS!**



1972

Cleveland native
Vincent Marotta
invents the Mr. Coffee
coffee maker.



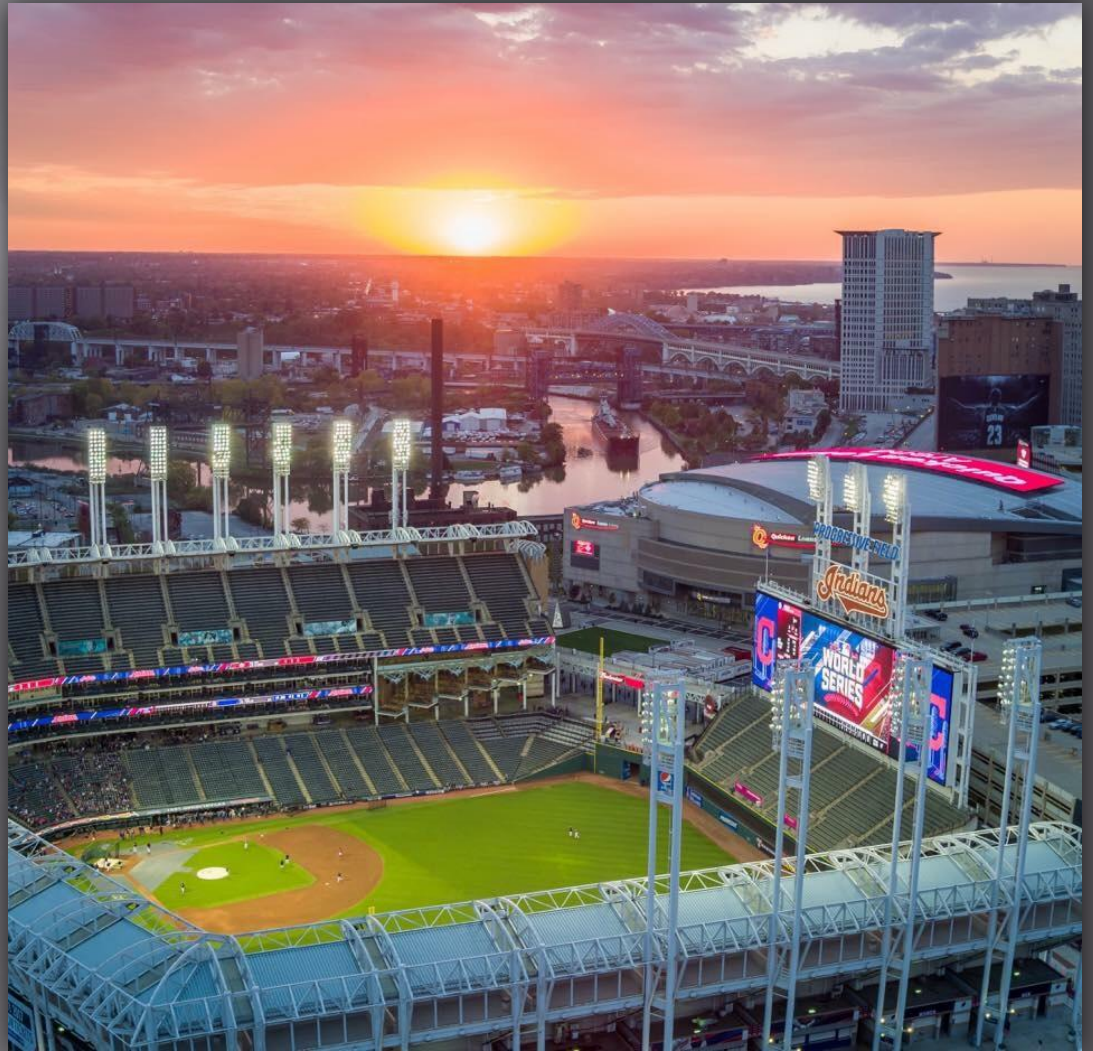
1997

Professor Huntington F. Willard
[CWRU] created the first artificial
human chromosomes.



2016

Dronewerx from Elyria provides the first live satellite broadcast from a drone at a World Series.



Cleveland Technical Societies Council

Collaborate. Promote. Recognize.

www.ctsc.org

1942 – 2017