nnovation at Corning

Corning is one of the world's leading innovators in materials science. For more than 160 years, Corning has applied its unparalleled expertise in specialty glass, ceramics, and optical physics to develop products that have created new industries and transformed people's lives. Our rich history is full of life-changing innovations.

Founded

1851 1879



Corning invents a bulb-shaped glass

encasement for Thomas Edison's incandescent lamp. Later, Corning developed the ribbon machine to mass produce these bulbs, making Edison's electric lamp more affordable to the masses.

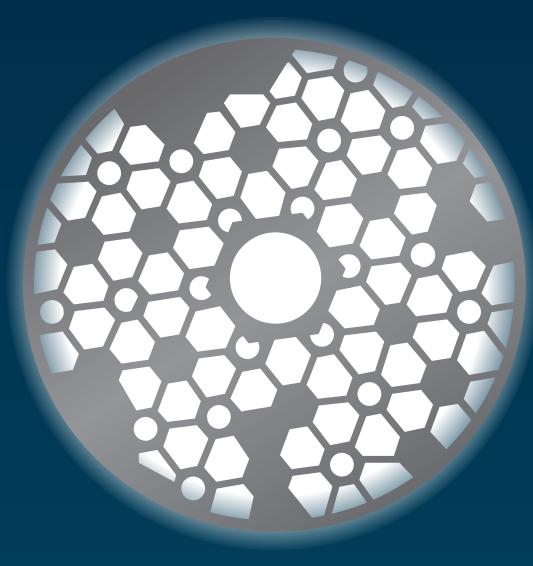


Dr. Jesse Littleton, a Corning physicist, asks his wife Bessie to bake a cake on a piece of heat-resistant glass. The glass holds up beautifully and later becomes known as the PYREX® brand, a line of highly durable cookware and laboratory glass products still available today.



1935

Dr. George McCauley, a Corning physicist, designs and directs Corning's production of a 200-inch mirror blank for the Hale Telescope at Mount Palomar – the world's largest piece of glass at that time.



Through an accidental discovery, Dr. S. Donald Stookey invents a glass

1952

that can withstand extreme temperature changes and doesn't break when its dropped. The result is the CorningWare® brand and a new family of materials, glass ceramics.



Clint Shay develop the fusion overflow process to produce flat glass. This process later became the precursor to Corning's

liquid crystal display glass substrates.



1972

standard for catalytic converters worldwide.

Automobile makers need technology to help them meet new emissions-control policies. Dr. Rodney Bagley, Dr. Irwin



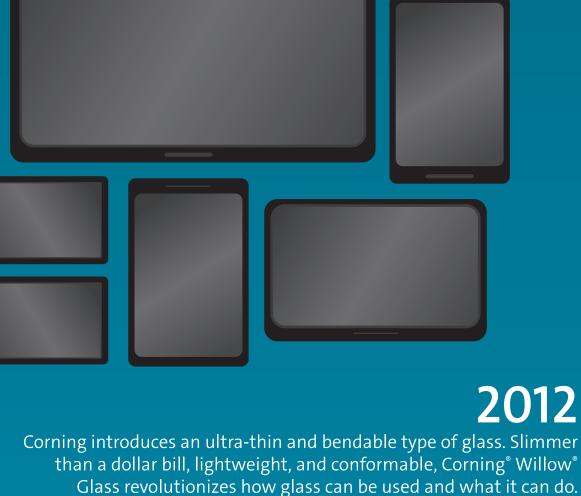


resistant glass tough enough for smartphones, tablets, TVs, and more.

2007

optical communications.

Cell phone manufacturers need a new durable



lives and industries.

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Corning's high-precision opto-mechanical assembly plays a key component in NASA's New Horizons mission that has returned the closest-ever color images of Pluto. This continues Corning's role in space exploration including the production of mirrors for the Hubble,

The glass globes of signal lanterns, vital to the railroads' safe operation, were shattering

1912

due to extreme temperature

heat-resistant, low-expansion

glass able to withstand sudden

changes. Corning invents a

jolts of heat and cold. 1934 Corning scientist Dr. J. Franklin Hyde, an organic chemist, develops

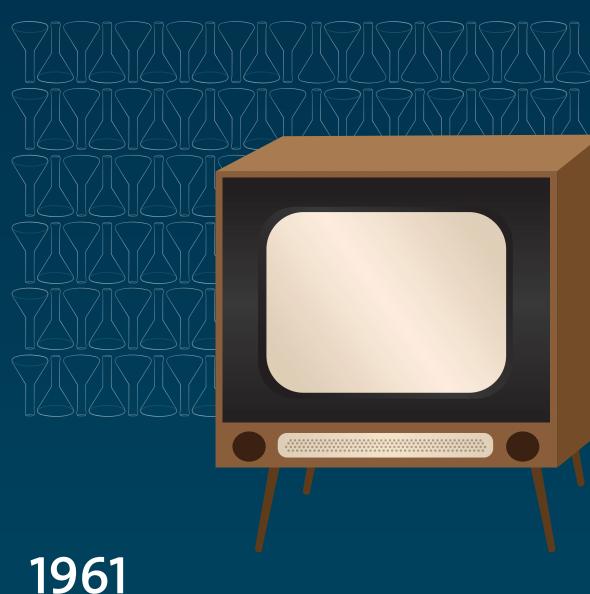
silicones, an engineered material that is a cross between glass

and plastic. His work becomes the foundation for the joint

1939-1947

venture, Dow Corning.

Corning's 9-inch circular cathode ray tube goes on display at RCA's futuristic demonstration of television at the 1939 World's Fair in New York City. By 1947, Corning invents a process to mass produce TV picture tubes, making televisions affordable for millions.



The Mercury spacecraft makes the first successful American

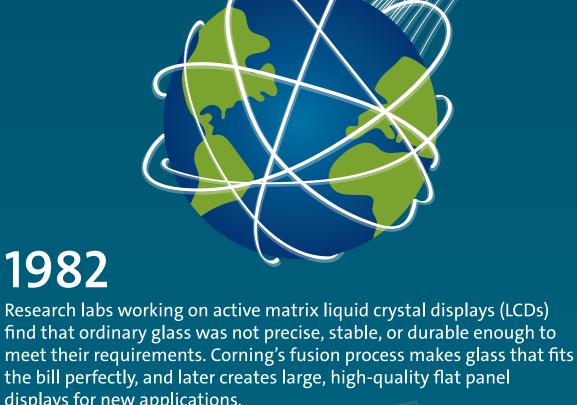
manned flight equipped with heat-resistant windows from Corning. Corning created the window glass for every manned American spacecraft from the Gemini and Apollo flights to the space shuttle.



optical fiber that paves the way for the

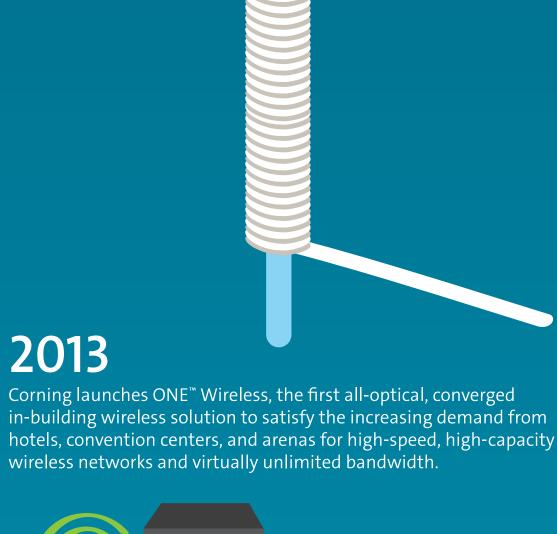
1982

communications networks of today.



displays for new applications.







CORNING

Today From Edison's electric light, to a lens into space, or information that moves at the speed of

Gemini, and Subaru telescopes.

light, Corning's technologies are at the heart of breakthrough innovations that transform