

THE SCOOP

The July Newsletter is OUT!!!

Scientist of the Month

Stephanie Kwolek

"I was very fortunate that I worked under men who were very much interested in making discoveries and inventions. They were very much interested in what they were doing, and they left me alone. And I was able to experiment on my own, and I found this very stimulating. It appealed to the creative person in me."

Scientist Birthday:

July 31st 1923

Trivia about the scientist

Stephanie Kwolek was an organic chemist, best known for inventing Kevlar in 1965. Kevlar is an immensely strong plastic, first used as a replacement for steel



Discovery in the month July, 2018:

Never-Before-Seen Matter Around Black Hole Revealed:

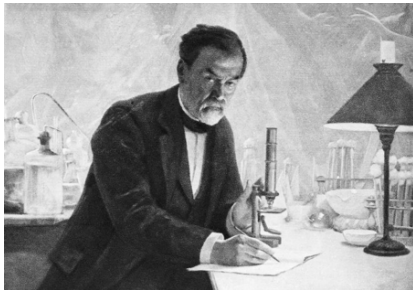
The black hole in Cygnus X-1 is one of the brightest sources of X-rays in the sky. The light near the black hole comes from matter siphoned off its companion star.

In an international collaboration between Japan and Sweden, scientists clarified how gravity affects the shape of matter near the black hole in binary system Cygnus X-1. Their findings, which were published in *Nature Astronomy* this month, may help scientists further understand the physics of strong gravity and the evolution of black holes and galaxies.

Near the centre of the constellation of Cygnus is a star orbiting the first black hole discovered in the universe. Together, they form a binary system known as Cygnus X-1. This black hole is also one of the brightest sources of X-rays in the sky. However, the geometry of matter that gives rise to this light was uncertain. The research team revealed this information from a new technique called X-ray polarimetry.



developed a way to process, meant that all kinds of wine, milk, and even beer. "Improvement in Brewing



Louis Pasteur was a French biologist and chemist whose breakthrough discoveries into the causes and prevention of disease ushered in the modern era of medicine

Discovery/Invention in the month of July previously:

1873 - Louis Pasteur received a patent for the manufacture of beer and treatment of yeast, which would later influence his discovery of the process known as pasteurization.

Over the course of his career, Pasteur conducted research that ushered in the modern era of medicine and science. Thanks to his discoveries, people could now live longer and healthier lives. His early work with the wine growers of France, in which he pasteurize and kill germs as part of the fermentation of liquids could now be safely brought to market— He was even granted U.S. patent 135,245 for Beer and Ale Pasteurization."

Company of the month:

UPL Ltd:

UPL Ltd was founded in the year 1969. It is one of the top chemical companies in India. The company is headquartered in Mumbai, Maharashtra. It is an Indian multinational company that manufactures and markets agro chemicals, industrial chemicals, chemical intermediates and specialty chemicals. The company also offers crop protection solutions. The company is engaged in both agro and non-agro activities. The company's products are sold in approx 120 countries.