

# THE SCOOP

The June Newsletter is OUT!!!

## Scientist of the Month

Werner Arber

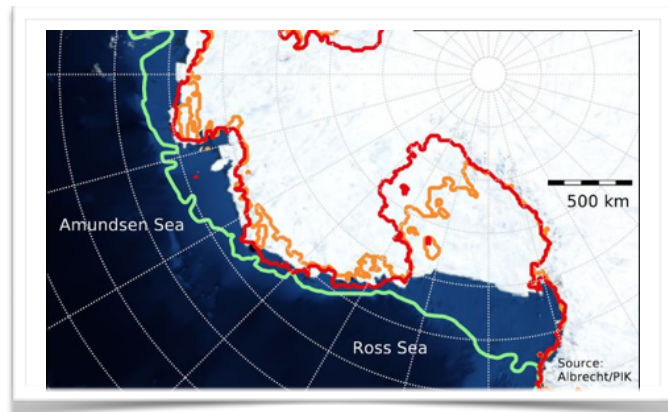
"Although a biologist, I must confess I do not understand how life came about... I consider that life only starts at the level of a functional cell. The most primitive cells may require at least several hundred different specific biological macromolecules.

## Scientist Birthday:

June 3<sup>rd</sup>, 1929

## Trivia about the scientist

Swiss microbiologist, co recipient with Daniel Nathans and Hamilton Othanel Smith of the United States of the Nobel Prize for Physiology or Medicine for 1978. All three were cited for their work in molecular genetics,



*Discovery in the month June, 2018:*

## **What Saved the West Antarctic Ice Sheet 10,000 Years Ago Won't Save It Today:**

The retreat of the West Antarctic ice masses after the last Ice Age was reversed surprisingly about 10,000 years ago, scientists found. This is in stark contrast to previous assumptions. In fact, it was the shrinking itself that stopped the shrinking: relieved from the weight of the ice, the Earth crust lifted and triggered the re-advance of the ice sheet. However, this mechanism is much too slow to prevent dangerous sea-level rise caused by West Antarctica's ice-loss in the present and near future. Only rapid greenhouse-gas emission reductions can.

"The warming after the last Ice Age made the ice masses of West Antarctica dwindle," says Torsten Albrecht from the Potsdam Institute for Climate Impact Research, one of the three lead authors of the study now published in the scientific journal Nature. "It retreated inland by more than 1,000 kilometers in a period of 1,000 years in large parts of this region – on geological time-scales, this is really high-speed. But now we detected that this process at some point got partially reversed.



specifically the discovery and application of enzymes that break the giant molecules of deoxyribonucleic acid (DNA) into manageable pieces, small enough to be separated for individual study but large enough to retain bits of the genetic information inherent in the sequence of units that make up the original substance.



Charles Goodyear

1800-60

### *Discovery/Invention in the month of July previously:*

**June 15, 1844** Charles Goodyear was granted patent No. 3,633 for vulcanised rubber.

Besides pencil erasers, rubber was used for many other products, however, the products were not standing up to extreme temperatures, becoming brittle in winter. During the 1830s, many inventors tried to develop a rubber product that could last year-round. Charles Goodyear was one of those inventors, whose experiments put Goodyear into debt and involved in several patent lawsuits.

### *Company of the month:*

#### **Tata Chemicals Ltd:**

Tata Chemicals Ltd was founded in the year 1939. It is headquartered in Mumbai, Maharashtra. It is one of the top chemical companies in India. The company product range includes nitrogenous, chemicals, fertilizers, industrial finishing products etc.