

SCIENCE

Dr. Gerhard Herzberg of the National Research Council won the Nobel Prize for chemistry in November, 1971. He is the founder of molecular spectroscopy – the science of defining the shape and other physical measurements of molecules by measuring the light they absorb or emit.

It was the first time such a prize in the natural sciences had gone to a Canadian. Dr. William Giauque, Canadian-born, was a U.S. citizen when he won a Nobel Prize for chemistry in 1949.

The best known Canadian invention is the telephone by Alexander Graham Bell at Brantford, Ontario, in 1876. Bell's life-work for the deaf led him to discover the principle of telephony. He later developed the modern gramophone record.

Other inventions by Canadians:

Kodak developing tank, 1899, Arthur McCurdy.

Transmission of pictures by wire, 1921, William Stephenson.

Alternating current radio tube, making radio reception without batteries possible, 1924, Edward S. Rogers.

Overhead wires and electric trolley pole (trams), 1883, James T. Wright.

Cooking by electricity, 1892, Thomas Ahearn.

Snowmobile and muskeg tractor, 1926, Armand Bombardier.

Narrow-beam altimeter for aerial map-making, 1946, National Research Council.