

German, Americans get Nobel Prize for Physics and Chemistry

Contd. from page 1

STOCKHOLM, Oct. 16: Professor Klaus Von Klitzing 42, an applied physicist from West Germany, was today awarded the 1985 Nobel physics prize the Royal Swedish Academy of Sciences said, reports Reuter. Klitzing of the Max Planck Institute for solid state research in Stuttgart specialised in solid state physics—a science at the heart of microchip and computer technology.

There had been speculation before the award today that a man engaged in that field would be honoured, rather than someone in theoretical work, as has been the case in recent years.

The Academy said Klitzing had been rewarded for the discovery of the quantized hall effect.

The Academy said he had opened up a new research field

Contd. on page 8 col. 7

of great importance and relevance when in 1980 he conducted an experiment that led to a breakthrough in devising new techniques for measuring energy with a high degree of accuracy.

It said the discovery was of great importance in the fields of atomic and particle physics and had been made possible by advances in technology and production methods within semiconductor electronics.

CHEMISTRY

According to another report: The Nobel Prize for Chemistry was today won jointly by American Professors Herbert Hauptmann and Jerome Karle for their work in developing methods of determining the structure of crystals.

Herbert Hauptmann, 68 is head of research and Vice-President of the Medical Foundation of Buffalo in New York state and Professor of Biophysics at the state University of New York in Buffalo.

Jerome Karle 67 is head of research at the laboratory for structure of matter at the US Naval Research Laboratory in Washington. He is also a professor at the State Department of Health.

The Swedish Academy of Sciences said that as a result of their fundamental work their methods had become accepted for the determination of molecular structures in mineral and organic chemistry, chiefly in the chemistry of Natural products.