## WHAT HAPPENED TO COMET KOHOUTEK?

## by G. N. PATTERSON\*

The much publicized "Comet-ofe-Century" turned out to be a visual id. What happened to it? Was the ist scientific observational program a aste of time?

What actually happened is, of urse, well known. It's the "Why?" at is yet unanswered. The comet ightened gradually as it approached e sun, although not as brilliant as iginally forecast. It did achieve a illiance as bright as Venus when it is close in to the sun but only the **XYLAB** astronauts could see it at at time. Then, as it swung around the n, the brilliance dropped sharply d it was only visible to the naked e, provided you knew exactly where look for it, for less than a week. It adually faded in brightness until it uld only be seen with the aid of noculars or a telescope. The great eeping tail forecast never did velop. Why?

Any answer to this question is highly eculative at this time. The recasting of a comet's brightness is ways a calculated guess based on the rformance of previous comets and, nce, is a very unpredictable figure. • much depends upon the contuents that form the nucleus of the met and these can only be known afthe comet has developed. In this inince, the final answer will only be own when all the observational data recovered and analyzed and that uld take up to a year or more.

What is known is that the nucleus of

hysics Department, hiversity of Saskatchewan, skatoon, Saskatchewan. Comet Kohoutek was larger than any other known comet since scientific measurements have been taken. Earthbased spectroscopic measurements have been taken showing a wide variety of chemical constituents common to other comets, plus other constituents not noticed in previous comets. The full story will only be completed once the data from SKYLAB is recovered and analyzed.

It is presently being speculated that Comet Kohoutek is a new kind of comet. The vast amount of data being obtained will result in a very intensive re-appraisal of our present concept of comets and, because of this, Comet Kohoutek can still justifiably be labelled "The Comet of the Century", even though it resulted in a very poor visual display.

## 30 Years Ago

Those who knew the *Blue Jay* thirty years ago will remember the stiff yellow cover with the blue lettering, on which appeared the names of the officers of the Yorkton Natural History Society and a statement of the Society's objects. The stated aim of the Society's objects. The stated aim of the Society was simply expressed, but comprehensive: "To foster an active interest in every branch of nature study, and to promote the conservation of all wild life; also to act as a connecting link between nature lovers in Saskatchewan."