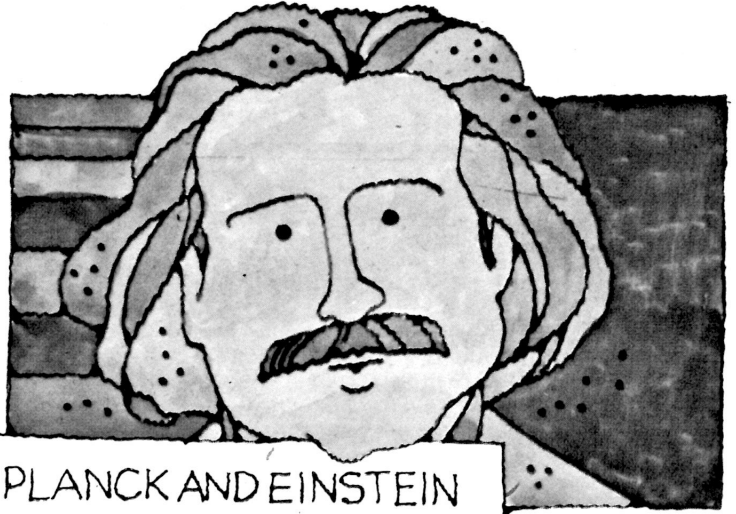




PLANCK AND EINSTEIN

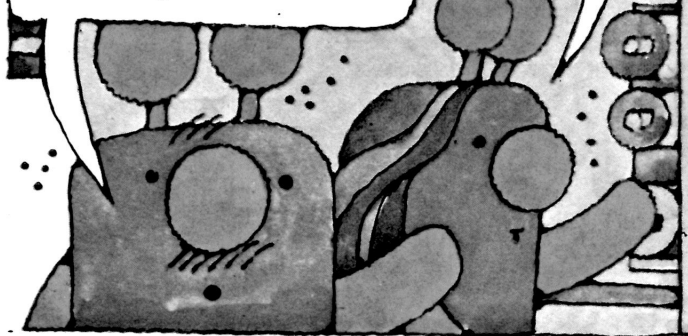
The Michelson-Morley experiment, the science of spectroscopy...these are only apparent difficulties. They will—at any rate they should—lead the Earthmen to scientific breakthroughs.

Look! Two scientists who may show the way.

I have come to the conclusion that light is not a continuous reservoir of energy. It is made of small packets.

But Maxwell told us that light is wave motion.

Is Planck taking us back to Newton's corpuscular theory?



Newton had proposed that light is made of tiny particles. However, Planck's concept of a light packet was much more profound and heralded the dawn of the quantum theory.

I wonder if I'll be able to sell them my new ideas on space and time.

I can't get reconciled to Einstein's idea of special relativity—but reason tells me that it's got to be right.

It certainly explains the puzzling Michelson-Morley experiment in a simple way.



According to special relativity, the speed of light is the same for two observers in relative motion.

This means we have to change the concept of time from the days of Galileo and Newton!

These are indeed exciting times for Earth scientists. They are discovering deficiencies in the established concepts of space, time and motion.

Yes! Both Planck and Einstein have revolutionised basic physics. But we're interested in astronomers. What are they up to?

