

# The Stars

## **Why do the stars twinkle?**

No explanation yet offered has quite satisfied scientists as to why the stars twinkle.

The theory that their light interferes with itself on its journey through space is not satisfactory.

The suggestion that the thin pencil of light from the star is disturbed in our atmosphere, creating a twinkling effect, is also inadequate.

Another theory has been proposed by professor Vegard, of Norway. He declares that the border of earth's atmosphere is made up of small crystals of nitrogen, or nitrogen dust. This dust encloses the earth in a crystal globe. This layer of crystals is responsible for many of the strange things that happen. It makes long distance wireless communication possible by reflecting waves back to earth, so they are not lost in space. It is also the cause of the green colour of the Aurora Borealis.

# The Moon

## **How the moon was flung off from the spinning earth**

Now, the people who have studied the moon believe that one day, when the earth's surface was a pool of lava, part of the stuff was whisked off like drops from a wet umbrella when you spin it.

It is even possible that two great lumps of stuff were whisked off at about the same time, one from each side.

Perhaps at this time the surface of the earth had become cool enough for the great gaps left behind to remain fixed.

Some people suppose that those gaps are now filled with the oceans.

What happened to the stuff whisked off of the surface of the earth? It is the moon.

# Pencil Lead

**Your lead pencil is made of the same stuff as a diamond**

Now these are very different to look at, very different in value, different in the things you can do with them, and the places they are found.

Yet if I take a diamond and heat it I can turn it into black stuff, which is really just the same as coal dust, and then I can turn the coal dust into the stuff they put into lead pencils, or I can turn the coal into tiny diamonds.

These three things, then, are not really different kinds of stuff at all.

They are actually all the same stuff, called Carbon, in different forms.

They are the same thing, just like ice, water, and water vapor are the same thing.

# Hair Loss

## **Why do some people lose their hair?**

Probably the main reason why many people go bald is that they do not trust the hair to do its natural work, which is to protect the head.

Hats interfere with the ventilation of the scalp, and the hair is poisoned.

All of our clothing should be loose enough to allow for ventilation.

A hat squeezing the arteries starves the hairs and interferes with blood returning from the scalp.

Women do not get bald so often as men, probably because their hats are not so tight.

# Ocean Floor

## **The living carpet spread over the ocean floor**

Now, just as life began in the seas, so the seas are full of life today, we must not forget this.

The water of all the seas and oceans, which cover much more than half the surface of the earth, is simply crammed with life.

Though many living things have long ago left the sea and swum ashore.

We must also remember that the whole of the ocean floor is thickly covered, without a break anywhere, by living things, growing and dying far from our eyes.

These form a living carpet spread, without break, over the entire ocean floor.

Life began in the ocean and the ocean still holds greater numbers of living things than live upon the earth.

# Life on Mars

## **Can there be any kind of intelligent life on mars?**

It is almost certain that there is life of some kind on mars.

Some people who have given their whole lives to the study of mars are quite certain that there are marks upon its surface which only intelligent beings could have made, and are even sure that all the 'Martians' must be one great family who live together in a friendly way, and have given up fighting each other as we still do. For the marks on Mars, it is thought, could only have been made by beings who had given up wars, and frontiers, and quarreling, and worked together for the good of all.

Perhaps the children who read this will live long enough to learn for certain the truth of the 'canals' on Mars.