







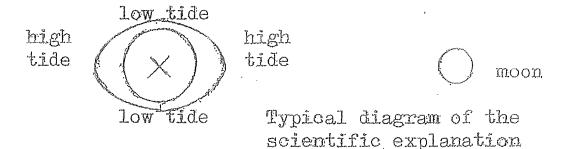
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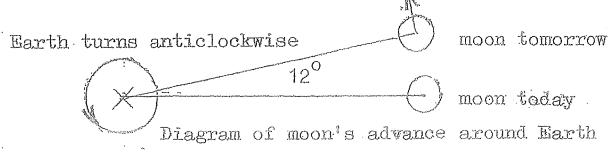
And now for something completely different...

THE MOON AND THE TIDES.

The scientific explanation of tides is this... the moon pulls the waters up into a heap beneath it.



This heap of waters advances around the world, as a wave, as the Earth rotates on its axis beneath the moon. The moon advances in its orbit by around 12° a day, so the high tide is <u>later</u> each day by <u>roughly</u> one hour.



SOME FREQUENTLY ASKED QUESTIONS.
Student Query... I can see why the tide is high under the moon, but why is the tide high on the side of the Earth away from the moon? -- on the OPPOSITE side of the Earth?

Scientific Reply... Newton's Law of Gravi-

ing this! (Editor - naming Newton is an appeal to Higher Authority to support an idea that is shakey) It is because the water on the other side of the Earth is further away from the moon than the Earth's surface under that water. So the Earth's surface there is pulled away from the water by stronger gravity from the moon, so the waters heap up. (Editor - What???!!!)

Student Query... If the waters heap up above the ocean bed below, then why are there no tides in mid ocean??
(This is a recorded fact - Editor)

Scientific Reply... At mid ocean, the wave of waters heaped up is so wide that the height is not measurable.

(Editor - Emm...)

Student Query... I have observed that the tide is always LOW whenever the moon is OVERHUAD. That is the OPPOSITE of what science tells us.

Scientific Reply... The moon does lift the waters, but there is a 6 hour delay

because the wave follows the moon <u>SLUGG</u>-<u>ISHLY</u>, at 90° behind. (Editor - Okay... Prright...)

And there we have it - the Scientific Explanation of the Moon and the Tides!

THE REAL EXPLANATION?

The moon is gently lifting the Earth's crust below it. The gentle lifting of the shorelines (which are free from the weight of the oceans' deep waters) causes the tides. LOW tides when the moon is ABOVE. But how is the Earth's crust lifted?

HYDRAULIC PRESSURE.

By hydraulic pressure. The (we'll say, "plastic") material below the Earth's thin crust is being attracted by the moon's gravity, and is lifting the crust up ever so slightly.

Decause there is hydraulic pressure on the crust of the Earth UNDER the moon, there is an equal and opposite hydraulic pressure on the crust of the Earth AWAY from the moon. (For every action, there is an equal and opposite reaction - Ed.) This is why there is ALSO a LOW tide on the OTHER side of the Earth, when the moon is above US.

PLASTIC MATERIAL EXAMINED.

Science says that the plastic material under the Earth is molten lava. A bit fell off the sun 4.6 billion years ago, turned 90°, and accelerated itself to 66,000 miles per hour into an orbit AROUND the sun. (Away from the sun is falling off. Around the sun is an orbit Editor)

A rocky crust then formed on the lava, and iron went to the centre of the Earth, and icy comets brought all the water to the Earth for our oceans. This is the scientific position: a fiery beginning to the Earth. The hydraulic medium for tides, the "plastic" medium under the Earth's crust, would have to be molten lava. (How hydrogen and helium from the sun could make lawa and iron is curious - Editor)

Molten laws would not really be a suitable liquid for the hydraulic action of the moon. But...

A PHRIPOT HYDRAUGIC WEDIUM.

Water. There are a lot of old books floating about that say the Earth was formed from WATER. Water beneath the crust of the Earth would PERFEUTLY EXPL-AIN the tides. A gentle, rotating, con-

timuous PRESSURE WAVE WITHIN THE EARTH, on BOTH sides of the Earth, gently lifting the Earth's crust just a fraction.

A WATER PLANET.

If you don't like old books, there is a very scientific sounding explanation (Sorry - Sound Scientific Theory - Ed.) of how the Earth could be filled with water, not lava and iron...

4.6 billion years ago a huge icy comet was captured by the gravity of the sun. The comet gradually settled into orbit, accumulating all the heavy primeval dust from the dust disk around the early sun, thus building up a rocky surface on the ice. As the dust was cleared away, the sun peeped through, and the comet's ice was slowly melted. A perfect globe was thus formed, with the rocky surface all around, except where water leaked to the surface and formed oceans and lakes.

So there we have it. Two competing scientific theories for the formation and the inner structure of the Earth.

And two competing explanations for the cause of the tides. Again, both completely scientific. (No old books involved - Editor)

THE GAS PLANETS.

A note here on the giant gas planets;
Jupiter, Saturn, Uranus, and Neptune.
Science says that the Earth is 5.5
times as heavy as water, but that is
based on the assumption* of lava, and
heavy rock, and iron core beneath us.
All planetary "weights" are relative to
the Earth, and it may be that the "gas
planets" would not have to be gas planets after all, IF a different weight
assumption for the Earth was made.
i.e., a water filled Earth.

THE LAW OF OCCAM.

Occam's Law states that the simplest theory, that also explains the most of the observed happenings, is the right theory. Which tidal theory would Occam choose? Which will you choose?

* Nobody actually knows what is under the Earth's surface crust. Nobody.

EDITOR'S CLOSING REMARKS.

They say that the truth can sometimes be stranger than fiction. The moon and the tides seem to present us with yet another example of this,

Get out when the moon is overhead, and check the tides out for yourself. Remember that the moon can be in the sky in the day too.

Cheerio for now.

The Editor, Independent Science News, Auckland, New Zealand.

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