

Astronomy in Cartoons

Michael Poll

ASSA Pretoria Centre

The Perishers



Inscrutable : impossible to understand or interpret

Astronomy means that you may have to get up at night!

HAGAR THE HORRIBLE - by Dik Browne

I HATE MY
5-TO-9 JOB

DON'T YOU MEAN
9-TO-5 ?

NAW... 5-TO-9... I'M
AN ASTRONOMER

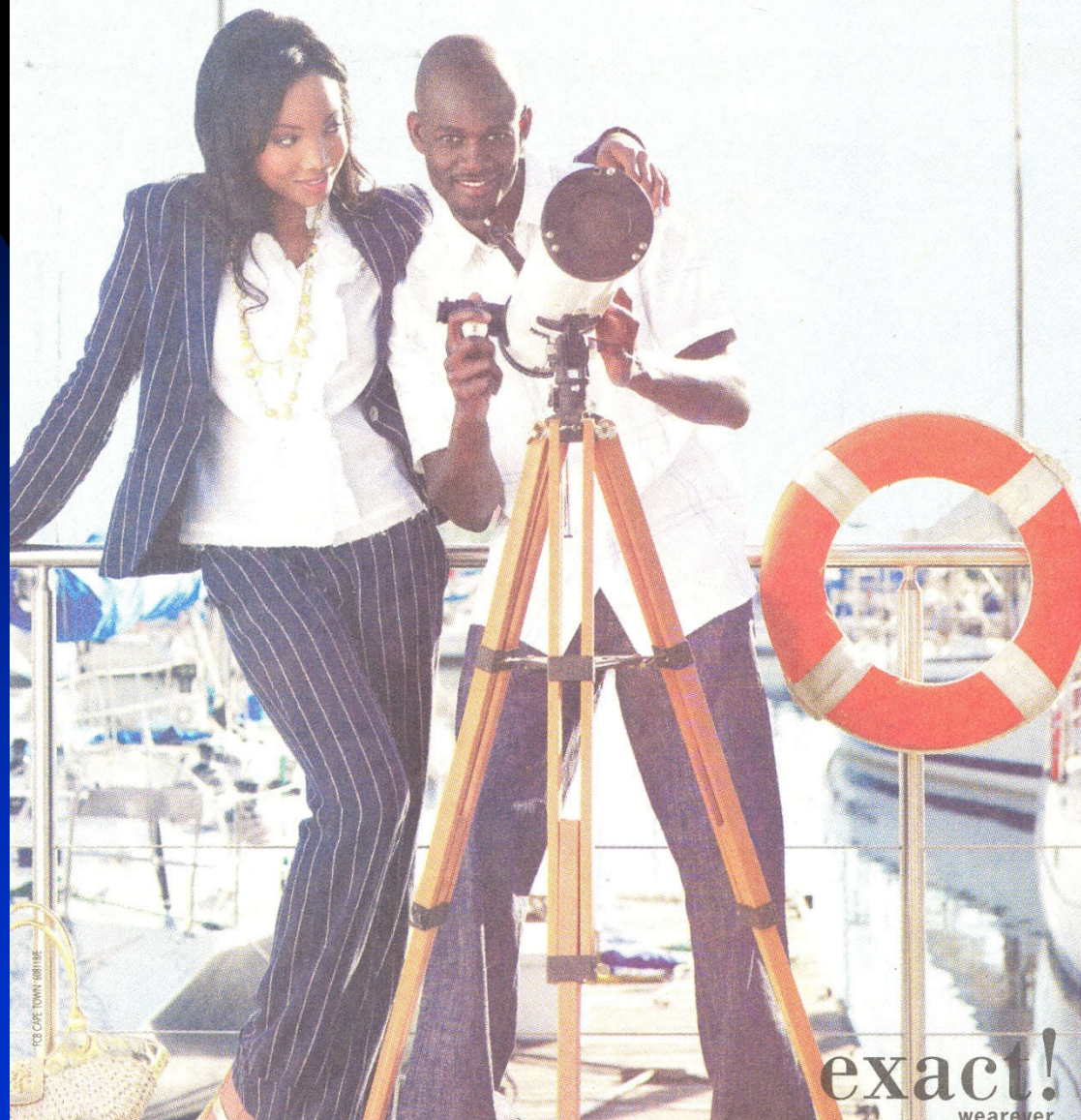
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DIK BROWNE 5-9

Make sure that you know which end of your telescope is which.

Exact! Mega-store Opening

on 29 August, Shop 210 corner of Church & Andries Street, Pretoria.



26/04/2017

The Moon

26/04/2017

The Moon Shows Phases

Crescent

Half

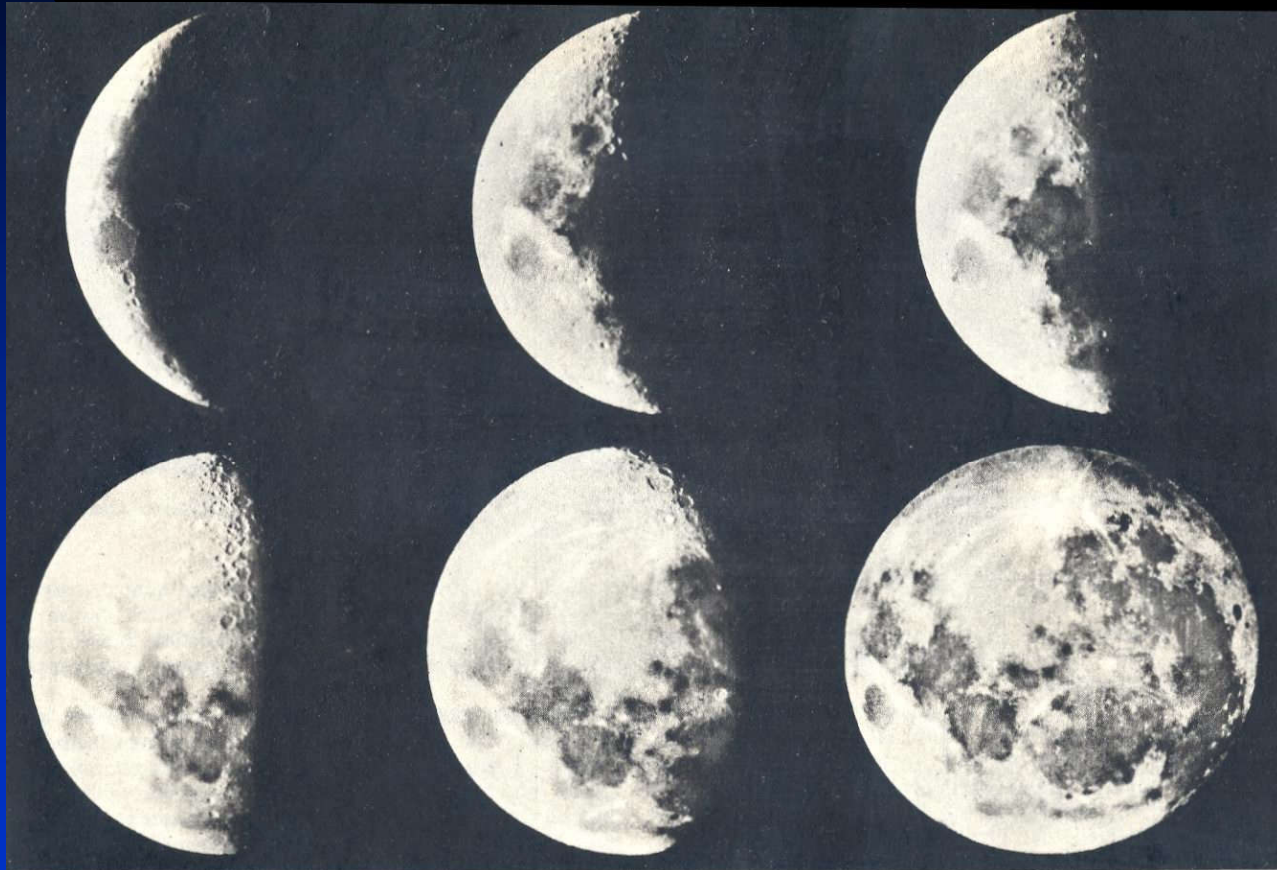


Fig. 249 — THE PROGRESSIVE ILLUMINATION OF THE LUNAR HEMISPHERE TURNED TOWARDS THE EARTH

26/04/2017

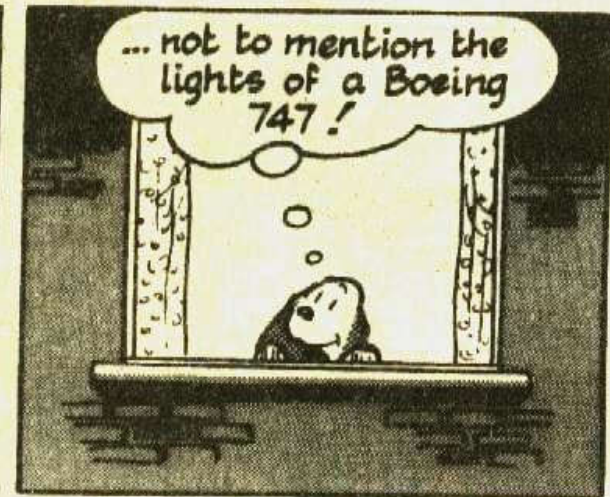
Gibbous

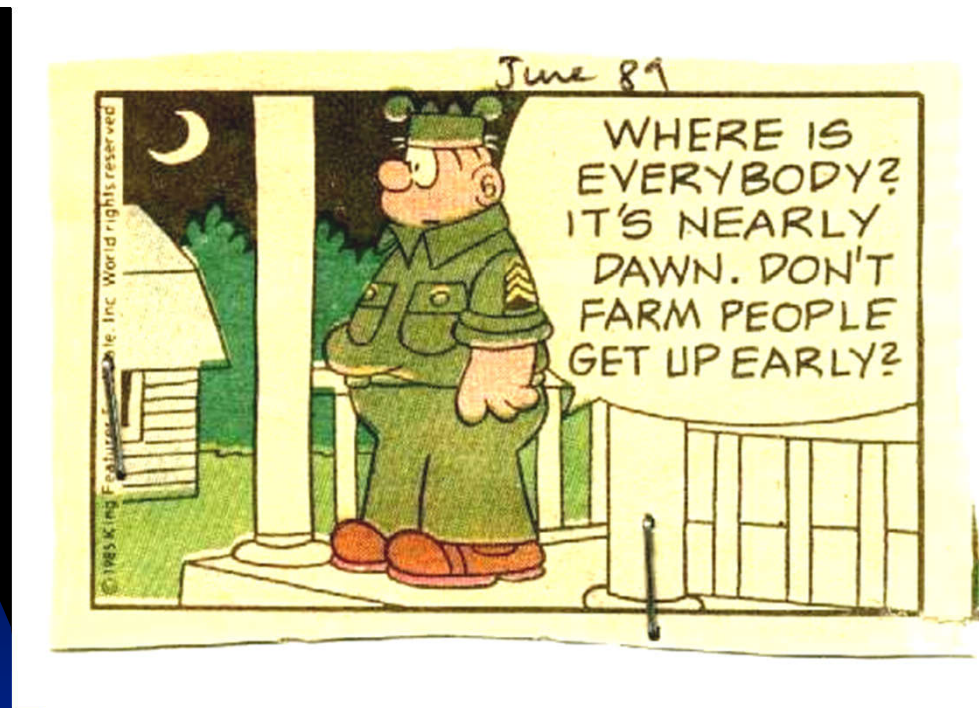
Full

FRED BASSET

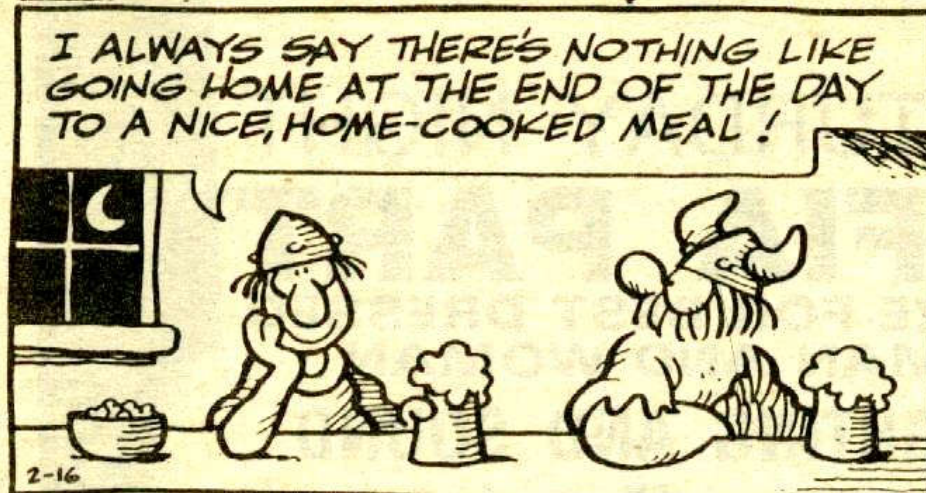
by Graham

23.11.96





HAGAR THE HORRIBLE — by Dik Browne



HAGAR THE HORRIBLE

by Chris Browne



**beetle
bailey®**

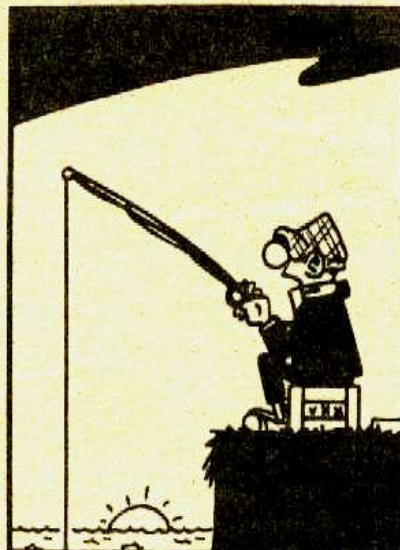
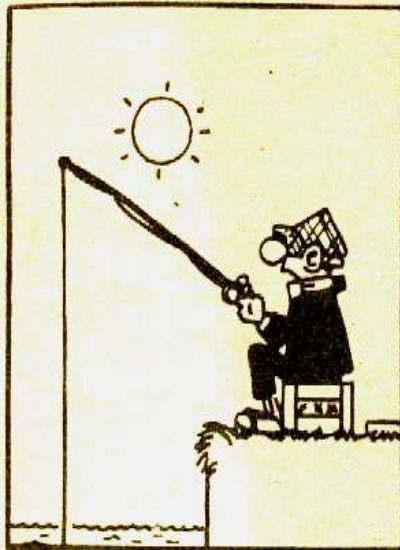


by mort
walker



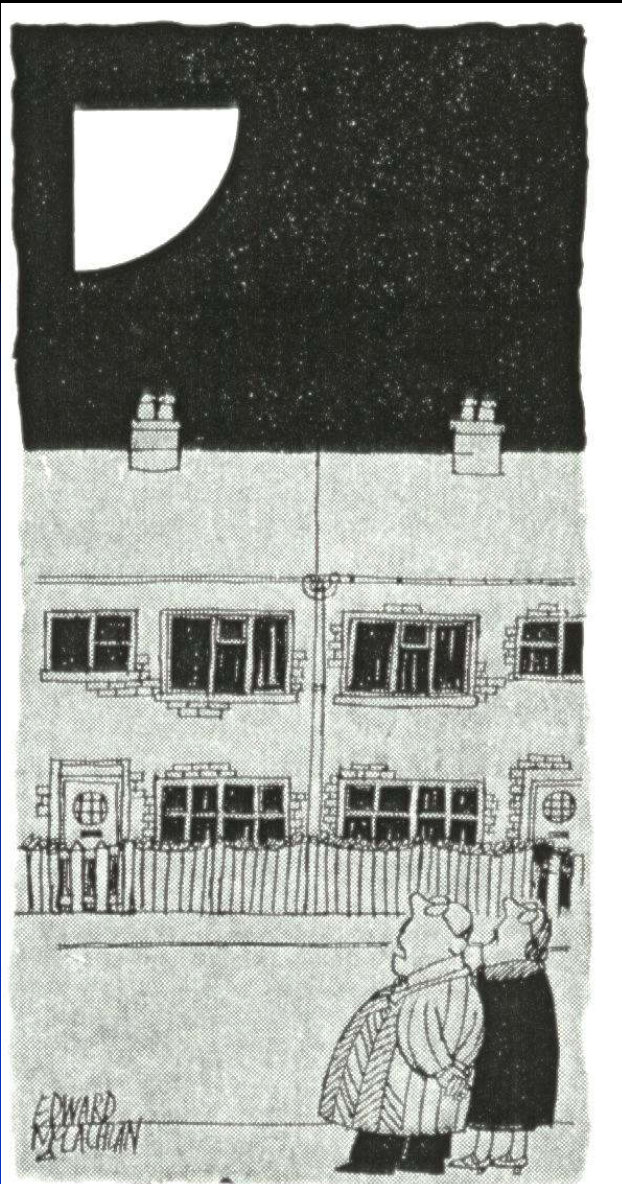
ANDY CAPP

by Reg Smythe



**Why do we call it First
Quarter**

**When the Moon is “Half
Moon”?**



"There's quarter moons and quarter moons, I suppose."

" There's quarter moons and quarter moons I suppose"

Angular Measure

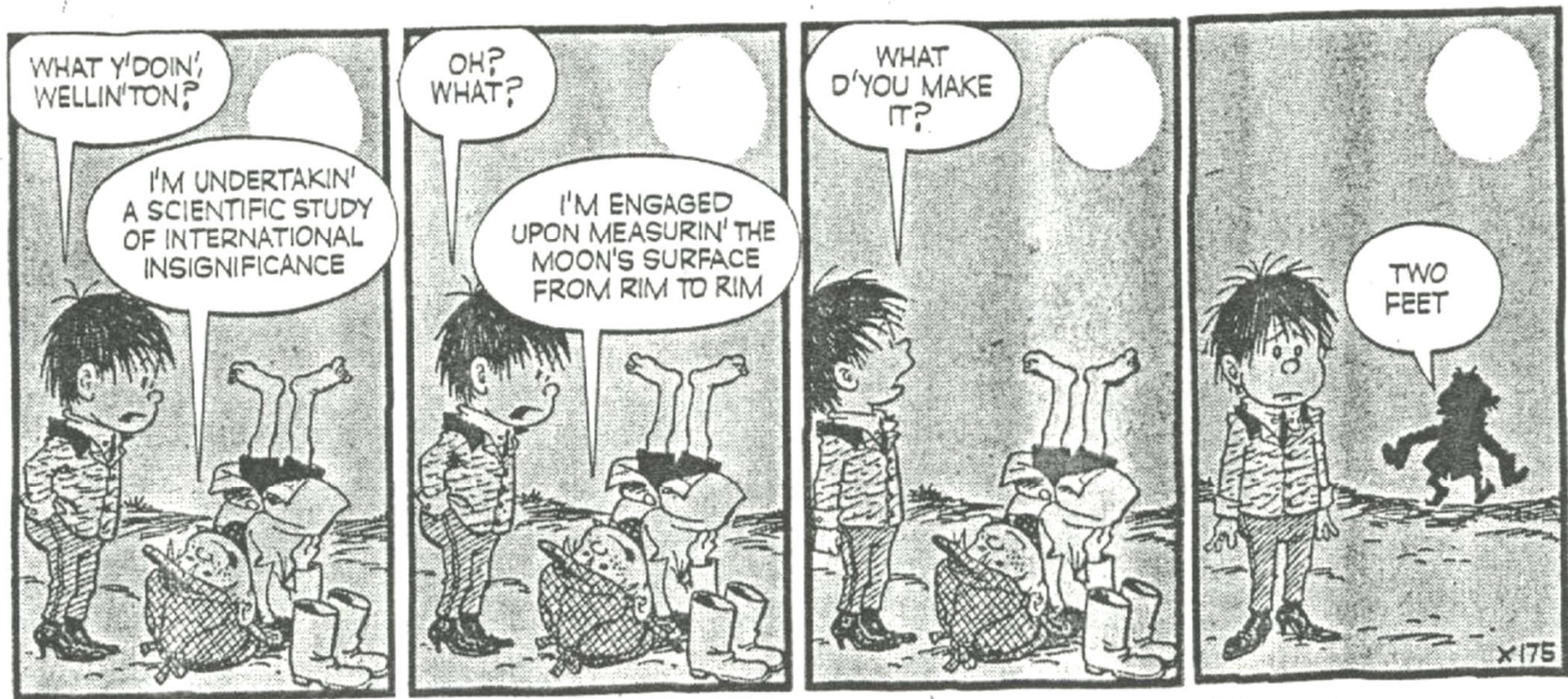
Clenched fist from 1st to 4th knuckle 8°

1st to 2nd knuckle 3°

2nd to 4th knuckle 5°

Width of index finger nail 1°

Hand span from thumb to little finger 18°



Comets

26/04/2017

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MODESTY BLAISE

4-8-97

by Peter O'Donnell and Romero



MODESTY BLAISE

6-8-97

by Peter O'Donnell and Romero

MODESTY BLAISE

by PETER O'DONNELL
drawn by ROMERO

SHORTLY BEFORE MIDNIGHT
ONE THURSDAY, AMATEUR
ASTRONOMERS GATHER ON
LOGAN'S BROW

PATCHY CLOUD—
NO SIGHTING
YET



FROM THE VILLAGE GREEN A MAN TAKES
THE FOOTPATH THAT LEADS OVER THE
HILL AND ON TO THE MANOR



MODESTY BLAISE

7-8-97

by Peter O'Donnell and Romero



Girolamo Fracastorius (1538) and Peter Apian (1540), from observations of the comet of 1531 independently noted that the tail always points away from the sun.

In 1951 Ludwig Biermann showed that it was the solar wind that makes the tail of a comet point away from the sun.

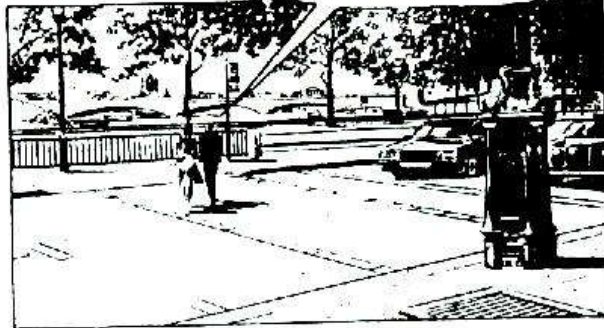
MODESTY BLAISE

26-8-a7

by Peter O'Donnell and Romero

MODESTY BLAISE

by PETER O'DONNELL
drawn by ROMERO



AROUND MIDNIGHT A BUNCH
OF STARGAZERS WATCHING
FOR WHITWORTH'S PLANET
CLAIM THEY **SAW** WILLIE
ON LOGAN'S BROW, HEADING
TOWARDS THE MANOR



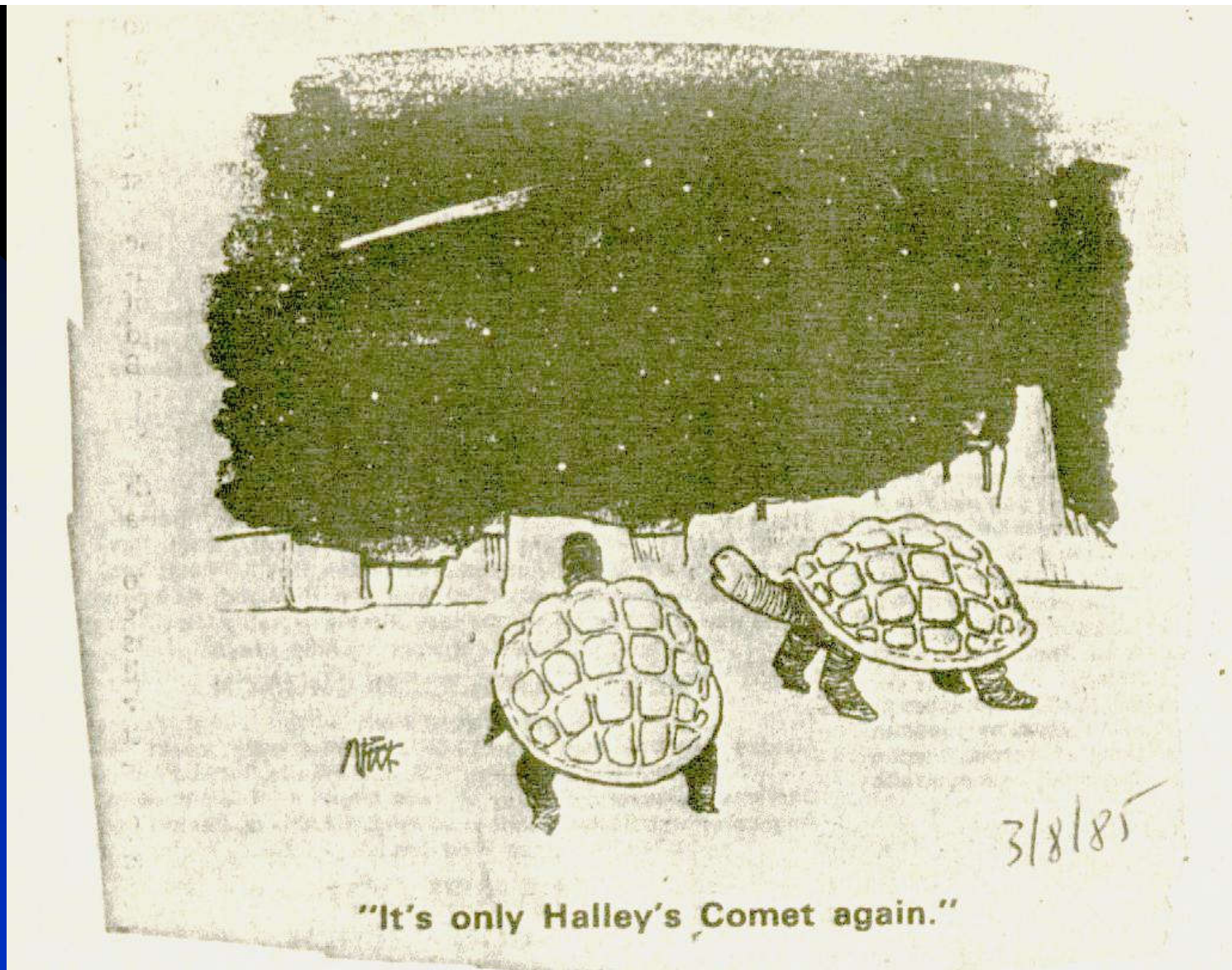
IMPERSONATION BY JAKE BROCKLEY OR
SOMEONE HE HIRED—I'LL WAGER THE MAN
KEPT HIS DISTANCE AND DIDN'T SPEAK



WE KNOW SOMETHING LIKE THAT MUST HAVE
HAPPENED BECAUSE WE KNOW WILLIE. BUT
THERE'S MORE TO COME—AND WORSE!

**In 1985 – 1986 we were all
excited about Halley's comet
– a once in a lifetime
event....**

**But there were some who
had seen it all before....**



"It's only Halley's Comet again"

What if a comet hits the Earth?

PIRANHA CLUB

by Bud Grace



PIRANHA CLUB

by Bud Grace



500 000 miles/sec = 804 500 km/sec = 2.7 x light speed

Current distance = 933 Astronomical Units

ERNIE

APRIL 97

by Bud Grace



ANDY CAPP

ERNIE

by Bud Grace

APRIL 97



243 million miles = 389 000 000 million km = 2.6 AU

**Asteroid 99942 Apophis will pass about 31 540 km (0.000212 AU)
from the Earth on April 13th 2029**

26/04/2017

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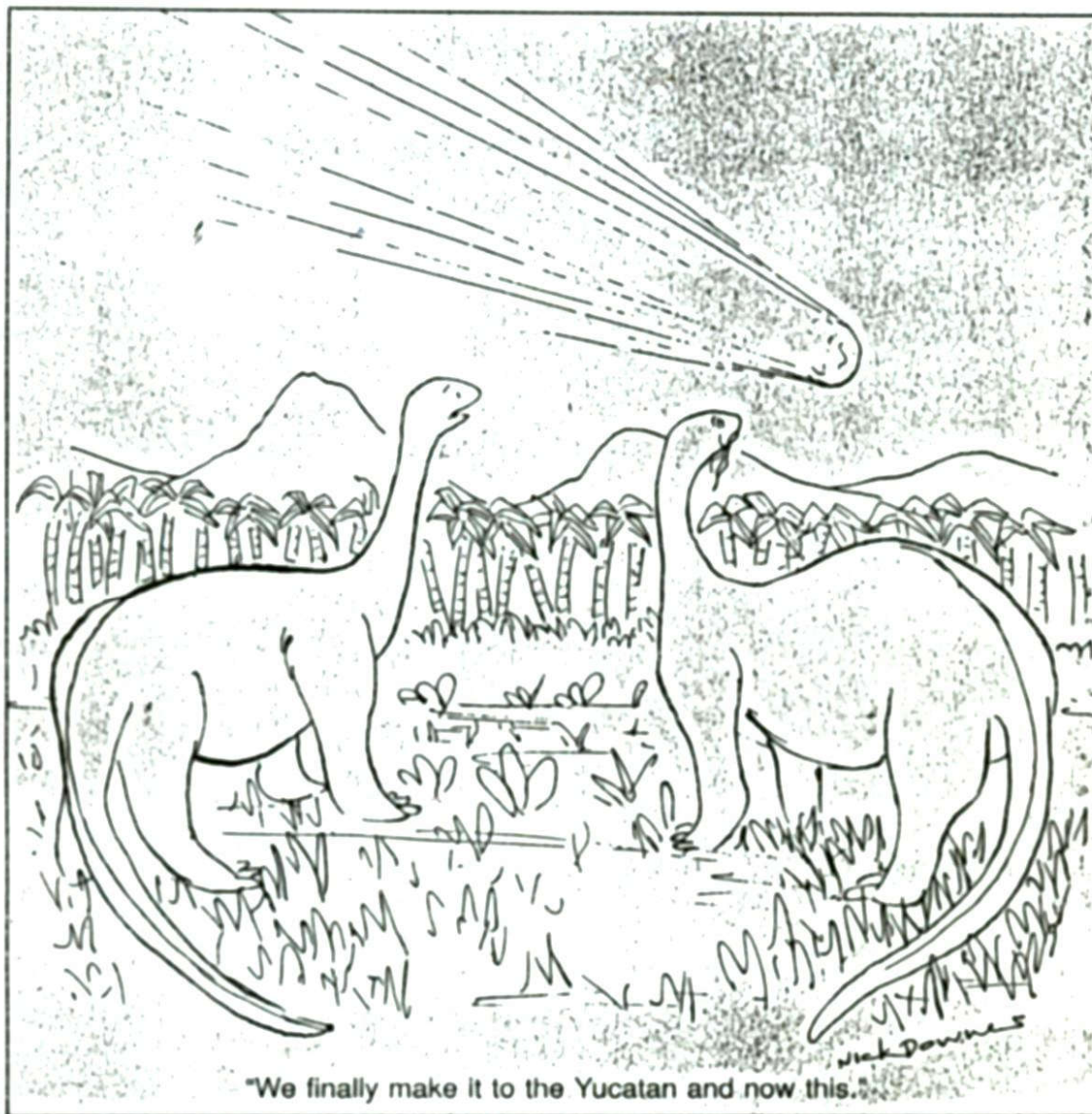
Well, the dinosaurs copped one!



26/04/2017

Yucatan Peninsula in the Gulf of Mexico

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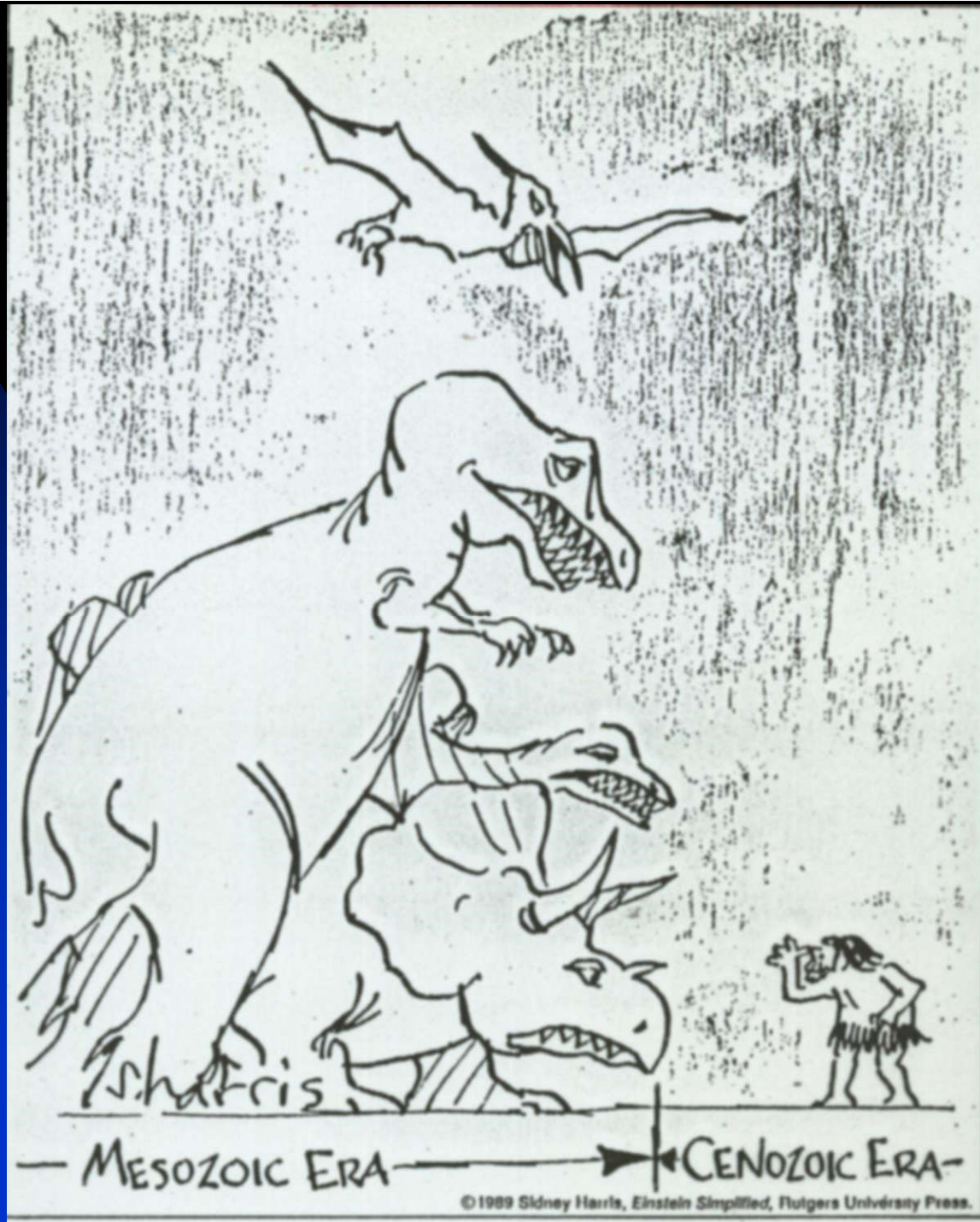


"We finally make it to the Yucatan and now this."

112 Sky & Telescope June 1993

We finally make it to the Yucatan, and now this!

**After the dinosaurs came the mammals
....it was the start of the Cenozoic Era**



26/04/2017

But when did we crawl out of the sea?

The Earth is 4 600 000 000 years old.

Life on land started about 500 000 000 years ago

Getting out of the sea wasn't easy.....

ANIMAL CRACKERS

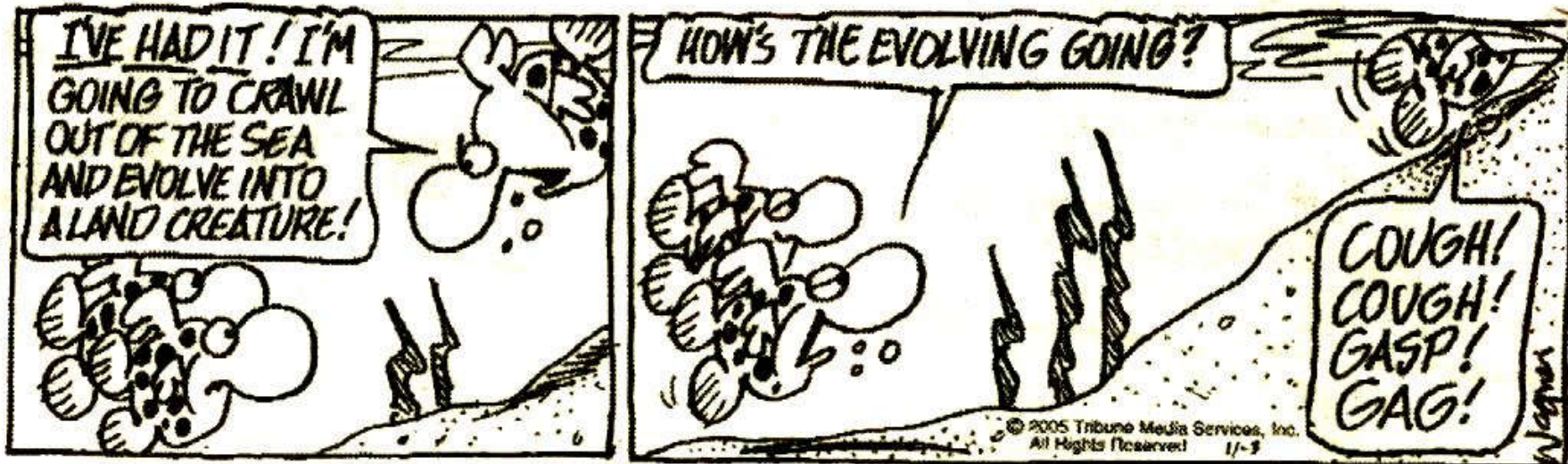
by Roger Bollen



ANIMAL CRACKERS

3 11 05

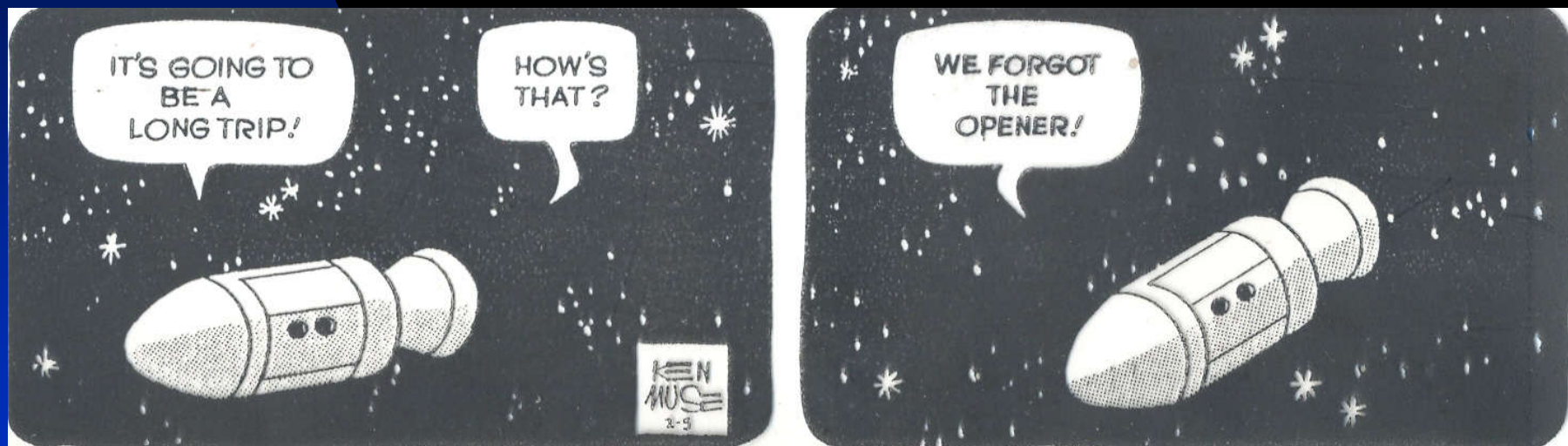
Roger Bollen

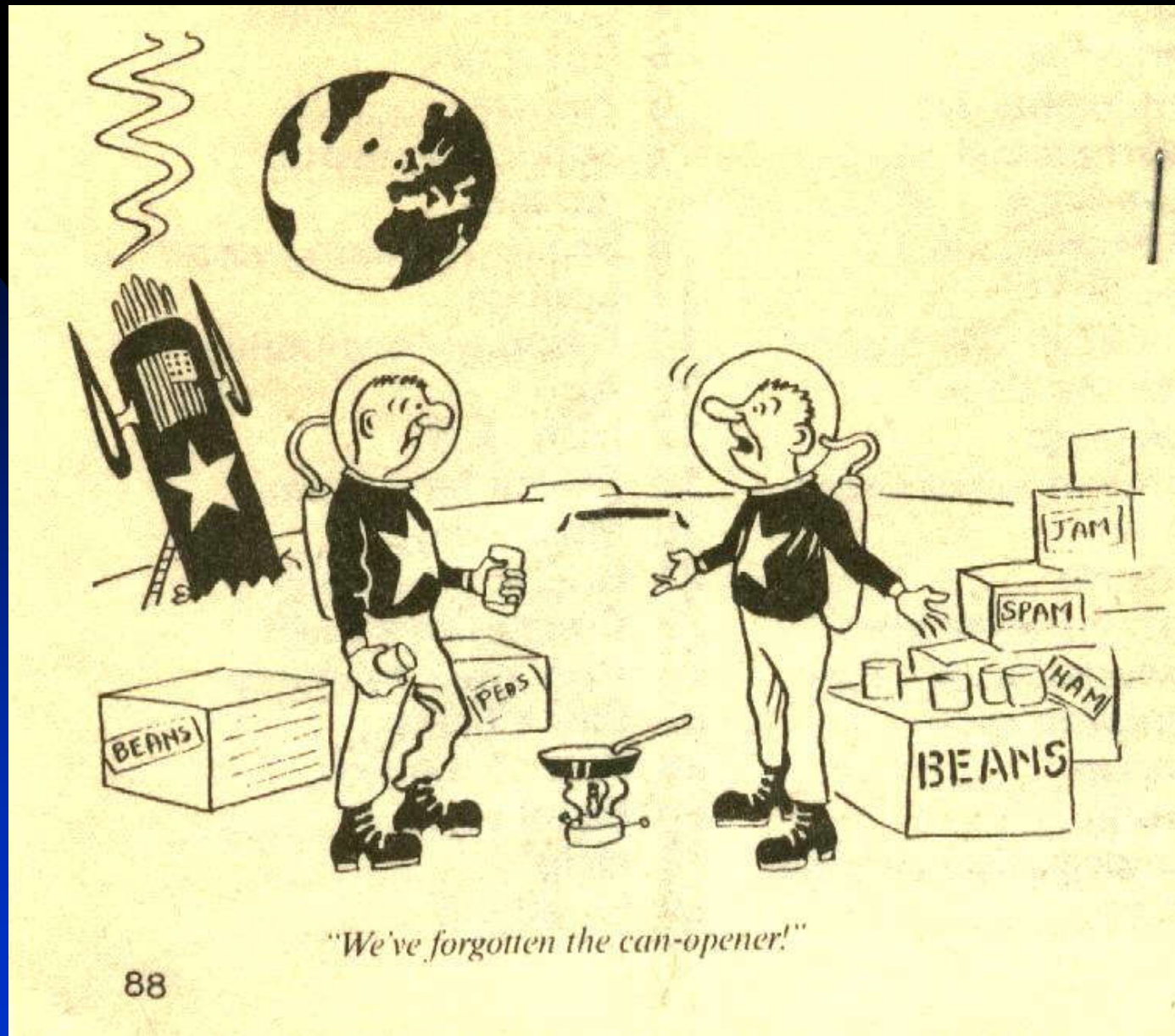


Space Travel ...

Earthlings and Aliens

The “Can Opener” Joke





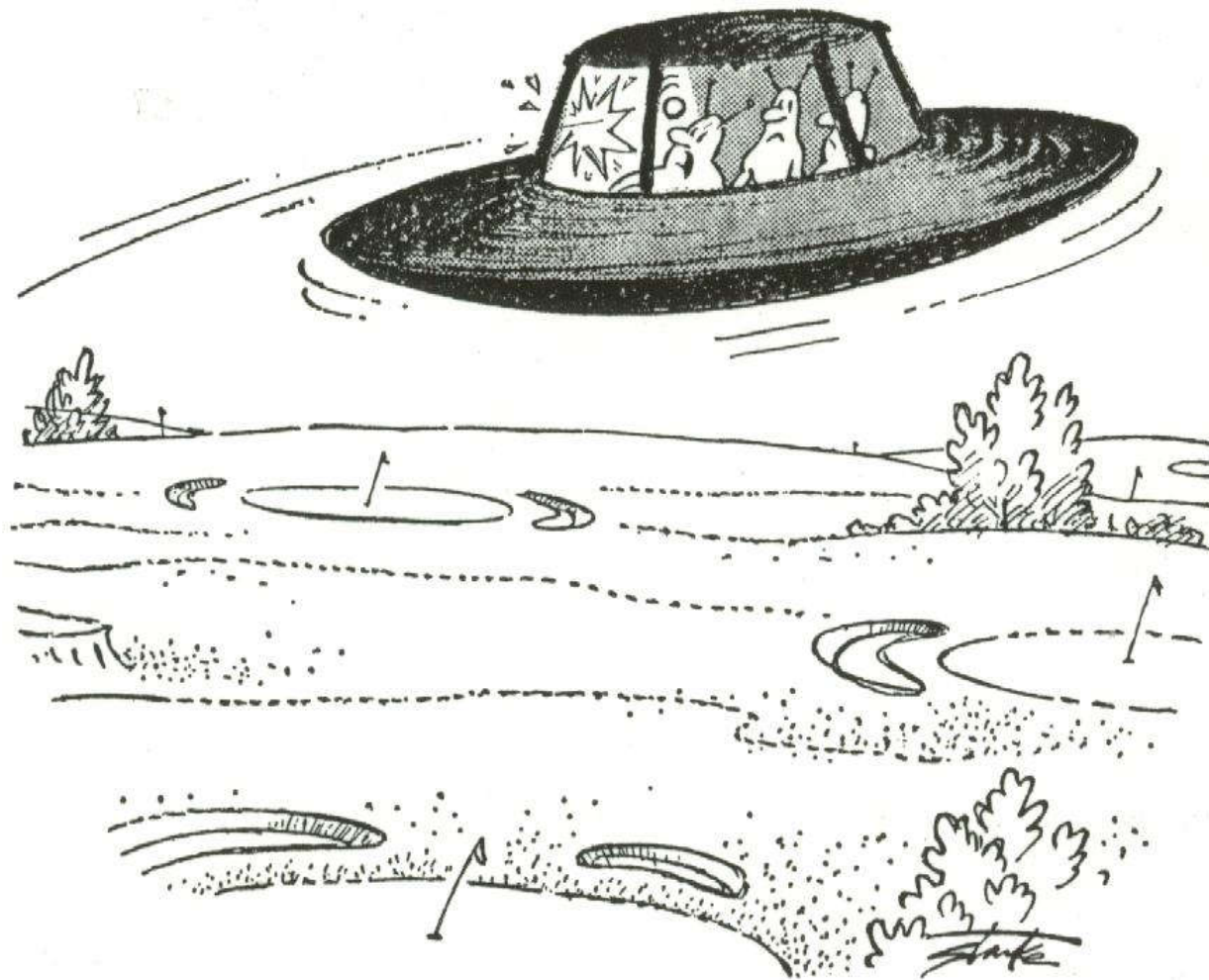
"We've forgotten the can-opener!"

Extra Terrestrials

In 1950 Enrico Fermi asked : Where are they?

Is it because:

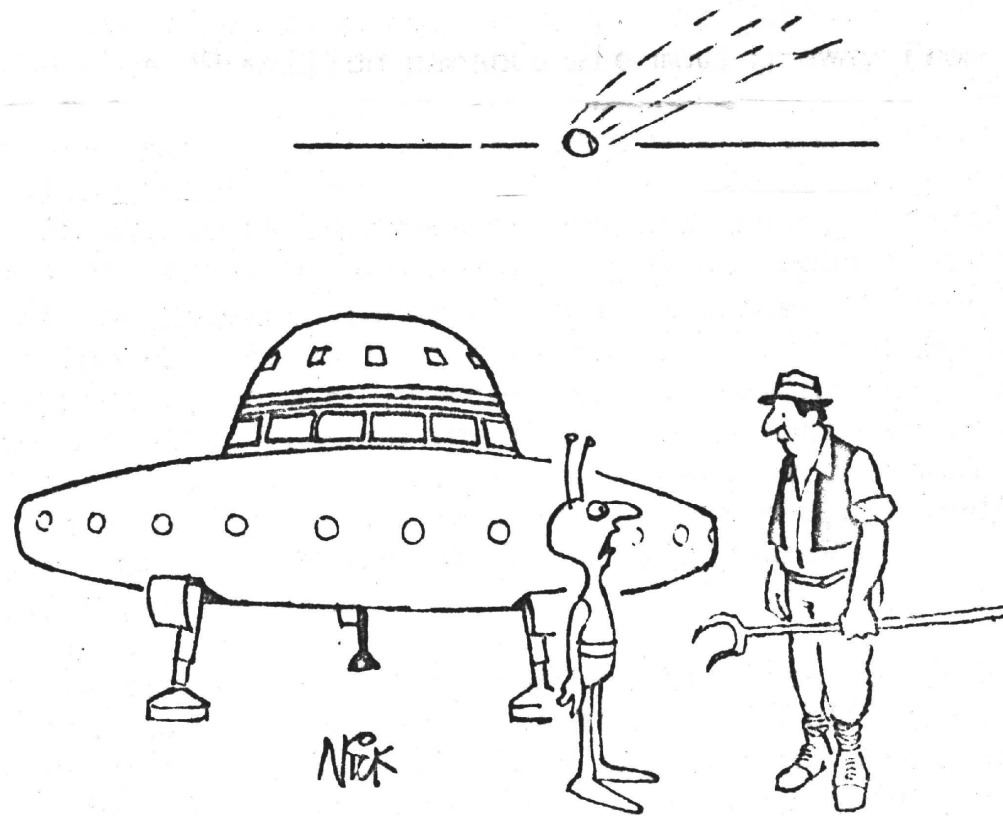
- There are no others except us.
- There plenty but they do not want to communicate
- They are so different that they cannot communicate
- Or they came and had a bad experience!



"That settles it—they're hostile!"

"That settles it – they're hostile"

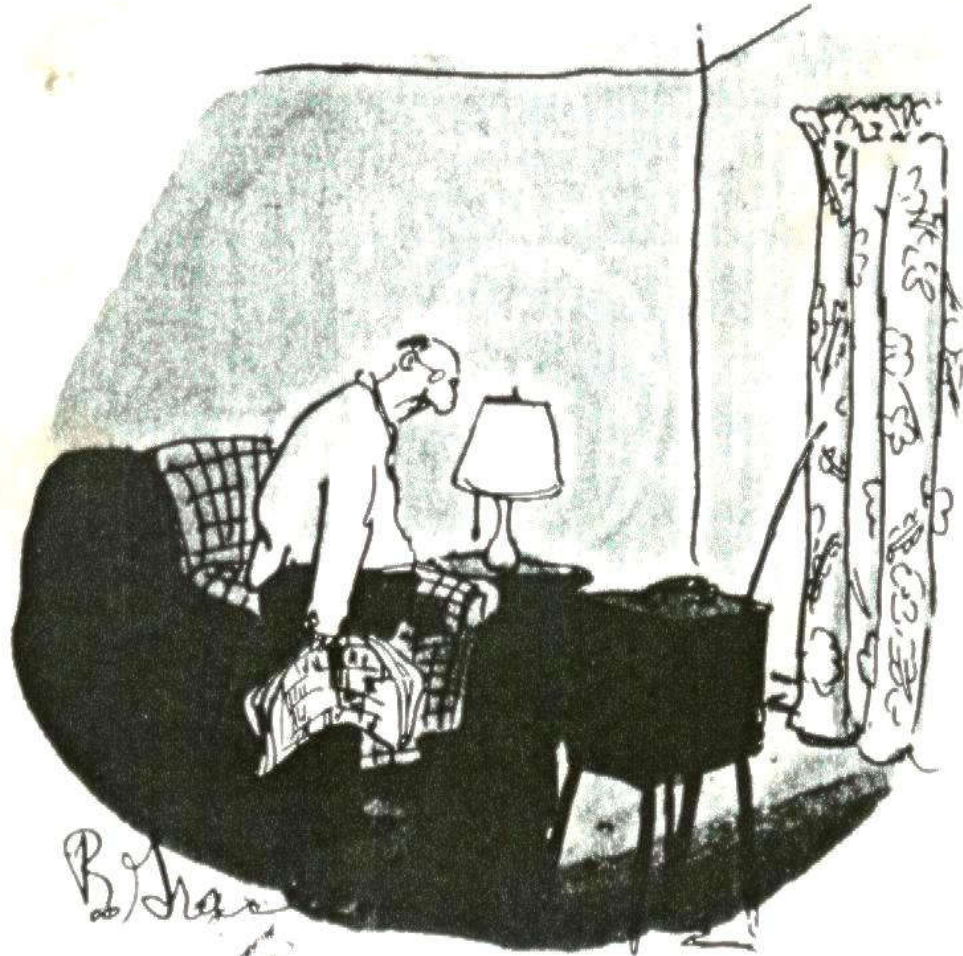
Have you ever lost your airline baggage....?



"Doesn't it make you sick? Our baggage has been sent to Jupiter"

And Finally.....

Putting Astrology into perspective



"The practice of astrology took a major step toward achieving credibility today when, as predicted, everyone born under the sign Scorpio was run over by an egg lorry."

"The practice of astrology took a major step toward achieving credibility today when, as predicted, everyone born under the sign of Scorpio was run over by an egg lorry"

Pretoria Centre

Astronomical Society of Southern Africa

Comet Bennett

- * An astronomy club for enthusiasts of all ages from novice to expert.
- * Meetings 19h15 4th Wednesday each month.
- * Full contact details and meeting program on website.

Jack Bennett
Founder Member

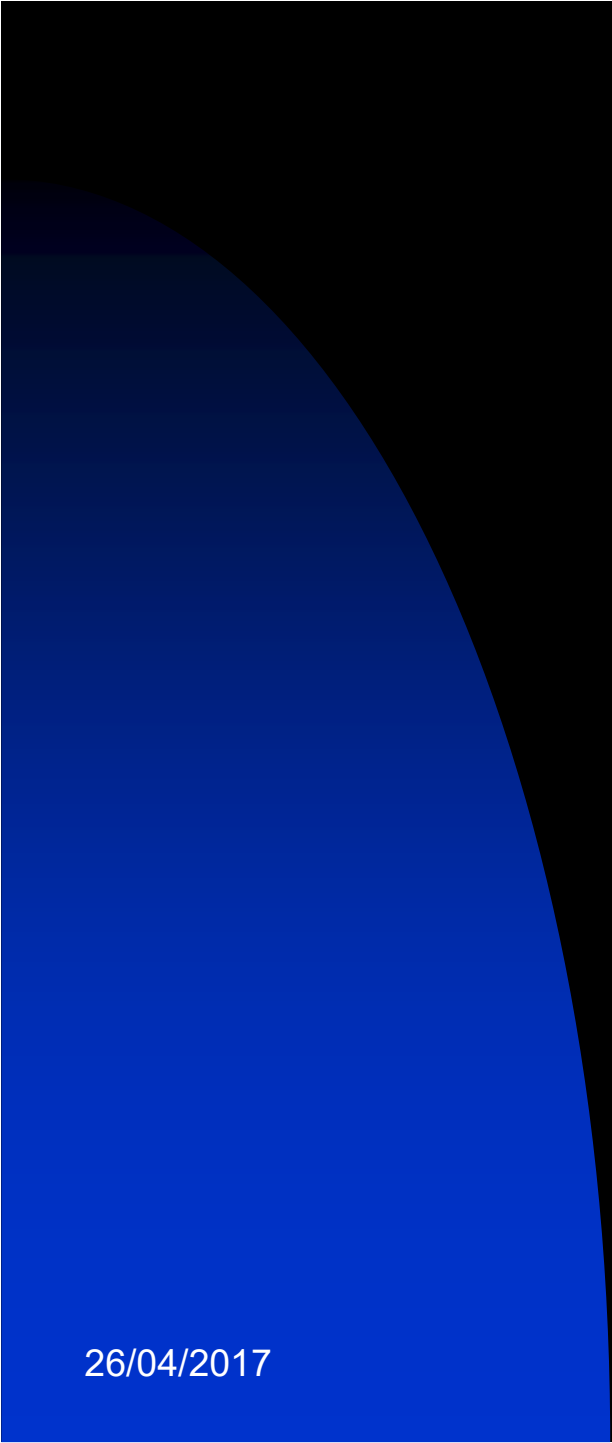
Visitors very welcome.

www.pretoria-astronomy.co.za



26/04/2017

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26/04/2017

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Topic Two

- Details about this topic
- Supporting information and examples
- How it relates to your audience

Topic Three

- Details about this topic
- Supporting information and examples
- How it relates to your audience

Real Life

- Give an example or real life anecdote
- Sympathize with the audience's situation if appropriate

What This Means

- Add a strong statement that summarizes how you feel or think about this topic
- Summarize key points you want your audience to remember

Next Steps

- Summarize any actions required of your audience
- Summarize any follow up action items required of you