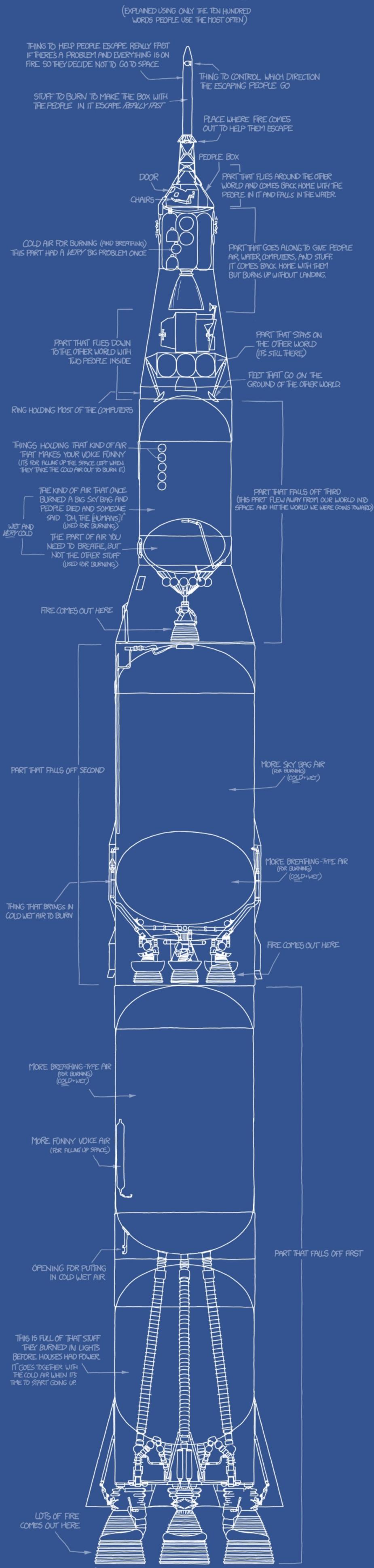
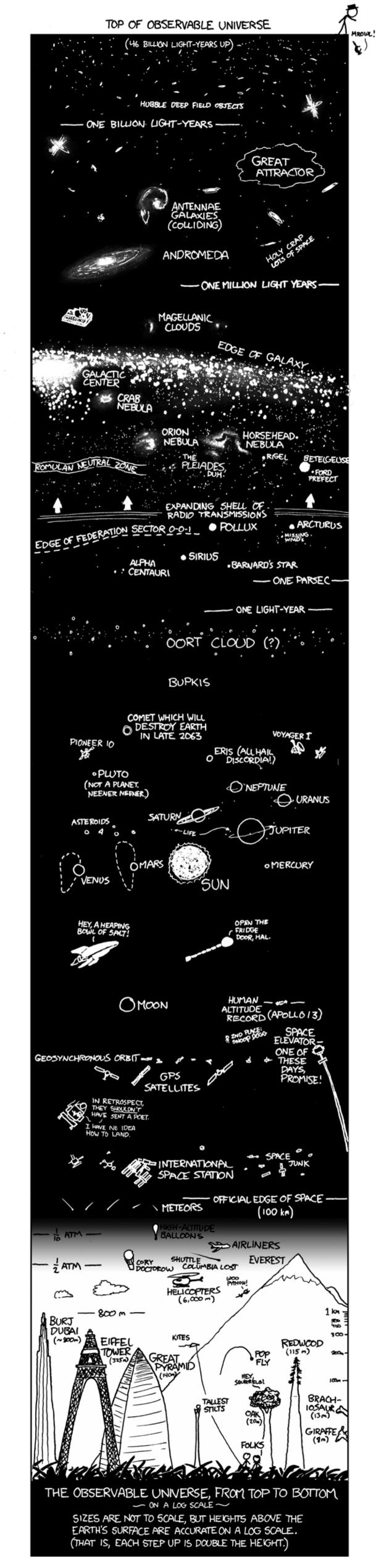
US SPACE TEAMS THE ONLY FLYING SPACE CAR THAT'S

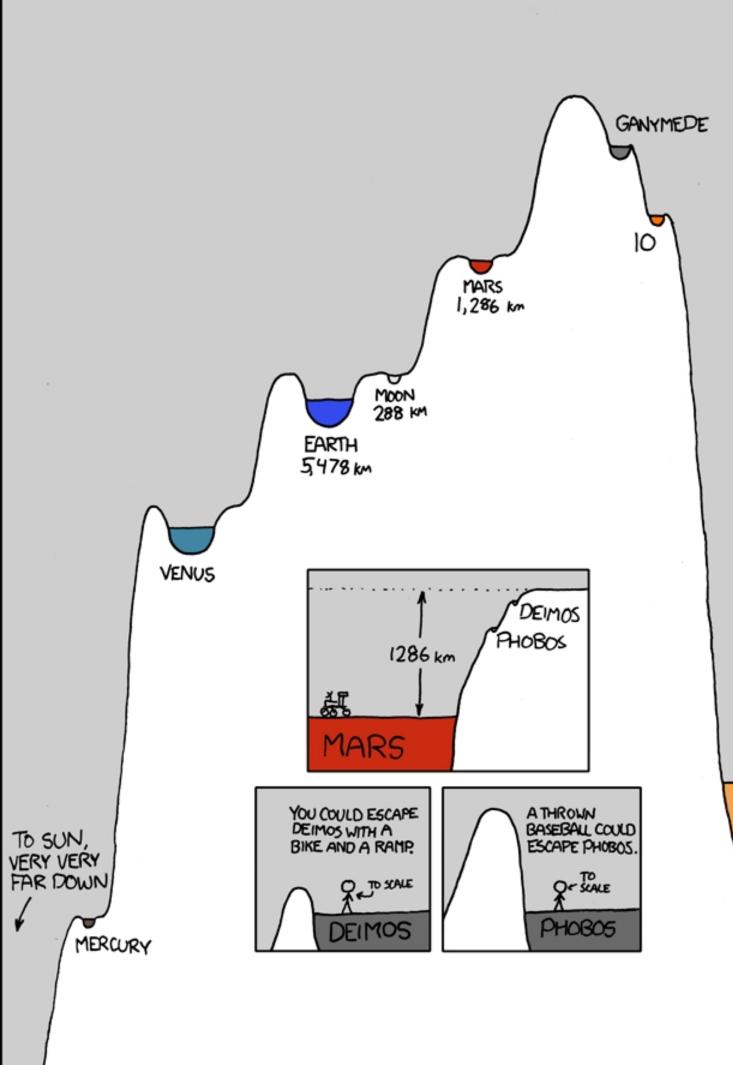
TAKEN ANYONE TO ANOTHER WORLD



GROUND IF YOU WANT TO GO TO SPACE. IF IT STARTS POINTING TOWARD SPACE YOU ARE HAMING A BAD PROBLEM AND YOU WILL NOT GO TO SPACE TODAY.

THIS END SHOULD POINT TOWARD THE





GRAVITY WELLS

SCALED TO EARTH SURFACE GRAVITY

THIS CHART SHOWS THE "DEPTH" OF VARIOUS SOLAR SYSTEM GRAVITY WELLS.

EACH WELL IS SCAUED SUCH THAT RISING OUT OF A PHYSICAL WELL OF THAT DEPTH—IN CONSTANT EARTH SURFACE GRAVITY—WOULD TAKE THE SAME ENERGY AS ESCAPING FROM THAT PLANET'S GRAVITY IN REALITY.

EACH PLANET IS SHOWN CUT IN HALF AT THE BOTTOM OF ITS WELL, WITH THE DEPTH OF THE WELL MEASURED DOWN TO THE PLANET'S FLAT SURFACE.

THE PLANET SIZES ARE TO THE SAME SCALE AS THE WELLS.
INTERPLANETARY DISTANCES ARE NOT TO SCALE.

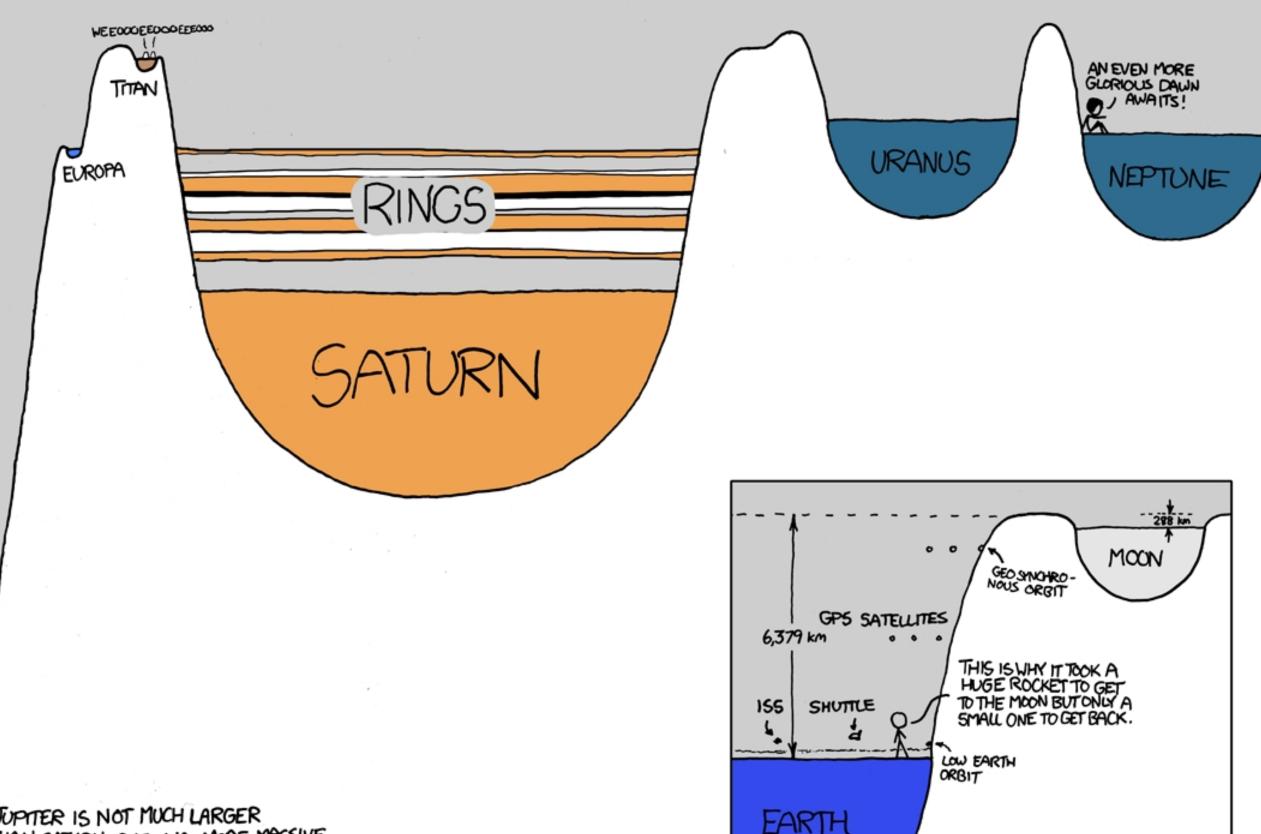
 $DEPTH = \frac{G \times RANETMASS}{9 \times RANETRADIUS}$

G=NEWTON'S CONSTANT 9=9.81 1/52



JUPITER IS NOT MUCH LARGER
THAN SATURN, BUT MUCH MORE MASSIVE.
AT IT'S SIZE, ADDING MORE MASS JUST
MAKES IT DENSER DUE TO THE EXTRA
SQUEEZING OF GRAVITY.

IF YOU DROPPED A FEW DOZEN MORE JUPITERS INTO IT, THE PRESSURE WOULD IGNITE PUSION AND MAKE IT A STAR.



IT TAKES THE SAME AMOUNT OF ENERGY TO LAUNCH
SOMETHING ON AN ESCAPE TRAJECTORY AWAY FROM EARTH
AS IT WOULD TO LAUNCH IT 6,000 KM UPWARD UNDER
CONSTANT 9.81 M/s² EARTH GRAVITY.

HENCE, EARTH'S WELL IS 6,000 KM DEEP.