



The American Presidential election is over; let's concentrate on what is happening here in Australia! Well, that is my "protectionist" opinion anyway!

With a significant rise in commodity prices in particular Iron Ore, 2017 is looking a little brighter for South Australians in particular. With higher prices comes more confidence, then more jobs. The Defence Force is also starting to ramp up preparation for their big budget Submarines, Patrol Boats and Frigates to be built here and in Perth.



We have another interesting edition for you. We talk about positioning inside buildings, laser light and how we might use it, and give you some insight into what a Land Division fee for Open Space is for. Get a free coffee on us by joining in with the Quiz Competition or join us at our Land Division Info '101' Session.
Michael—Ed

OPPORTUNITY—Have you wondered what happens during the **Land Division** process.

We are repeating our - **Land Division Information ... "101"** session

Monday 27th February 7pm—8:30pm

OR

Tuesday 28th February 1.30pm – 3pm - **Only 3 places Left**

Contact Annette or Heather—admin@mgsurveys.com.au or 8278 8732 to secure your spot

Take a look at the **Michael Grear Surveys** website for more information and past issues of **The Survey Datum**

@ www.mgsurveys.com.au

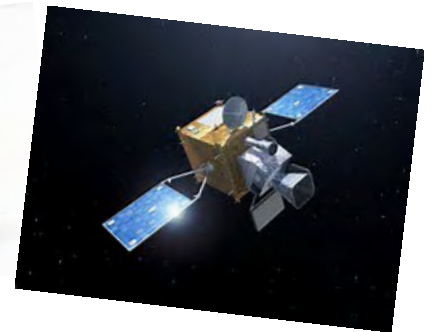


Yay! Free Wifi.

Have you noticed that when you log into the free Wi-Fi, or download the "free App" at the airport or the shopping centre, shortly after, you start receiving advertising and emails regarding specials and deals in the complex or even in the shop you currently stand in?

Perhaps you haven't really thought about it.

Locating where we are and what we are looking at/buying is a real asset to any retail business. With the Smart Phone becoming so common place, subtle messages and encouragements to buy are all around us, and more and more, our buying movements will be tracked.



The new technology to emerge is the use of GPS type technology to track where customers walk and spend time in each department of the shop. This assists with positioning and marketing of goods. It is not exactly GPS, as Global Positioning requires the use of satellites and direct line of sight. It is suspected that this new technology will use a combination of sensor-enabled overhead smart lighting systems, Wi-Fi and perhaps magnetic fields. New Wi-Fi technologies boast accuracy as low as 40cm.

Although it might feel as though our personal space is being infringed on, it is rather interesting technology and worth watching how it develops. The up side could be viewed as; customers will receive a more tailored shopping experience with more tools to find what they are after, all at their fingertips via their smart phone.

Quote ..."We're never so vulnerable than when we trust someone--but paradoxically, if we cannot trust, neither can we find love or joy."
--Walter Anderson

Money, Money, Money! Open Space Payment...What?

One of the questions that is asked in relation to a land divisions is;

“Why do I pay Open Space and what do I get for it?”

The Development Act requires 12.5% of the land within a proposed land division for urban sized allotments to be set aside as reserve for use by the general community. However when smaller land divisions (less than 20 allotments/lots) are proposed, a monetary open space contribution is paid to the Development Assessment Commission instead of providing a reserve.

The amount is based on the number of additional allotments (under 1 hectare in size) and the current rate. The rate is usually reviewed on 1st July each year and based on the market value of land as determined by the Valuer General.



The rates for 2016/2017 are :
Metro Rate (inner and outer) \$6676 per new allotment under 1 hectare
Country/Regional Rate: \$2849 per new allotment under 1 hectare

The money is paid into the Planning and Development Fund and is used primarily to fund State and Local Government Regional and Metropolitan Open Space System programs for the enjoyment of the general community.

I See The Light!

Natural light or ordinary light is made up of light waves of varying colour and wave length which when together make up what humans see as white light.



Laser light on the other hand is manmade. Who actually is accredited with this invention is still in debate. Charles Townes, Arthur Schawlow, Gordon Gould are some of the names associated with the mastering of lights wave-lengths we call Laser Light. The finding of Laser light has been dubbed as ‘a solution waiting for a problem’. Gould has made reference in his notebook to his discovery... “LASER” (for Light Amplification by Stimulated Emission of Radiation), which would go on to be its common name around the world.

Laser light contains exactly one colour or wavelength. All wavelengths are in phase, that is all the crests and troughs of the waves are synchronized. Laser light waves travel parallel to each other in the same direction (ie they do not spread like natural light)

‘The solution waiting for a problem’ include – bar code readers, CD/DVD/BluRay, printing, intricate medical procedures, (which have a reduced rehabilitation period), precise etching/cutting and of vital importance to what we do, for surveying, with the precision in measuring distances.



Lasers in Surveying allow us to read a millimetre accurate distance over multiple kilometres or measure millions of distances in seconds with our 3D Terrestrial Laser Scanner. This technology has opened up opportunities for us to create amazing plans of your developments, homes, offices, factories and the natural environment. The Sky is the limit!

Michael Gear Surveys

Licensed & Engineering Surveyors

Adelaide Office

5 Gulfview Road
BLACKWOOD 5051
Tel: 8278 8732

Whyalla Office

17B—19A Darling Tce
WHYALLA SA 5600
Tel: 8644 2040

E: admin@mgsurveys.com.au

Web: www.mgsurveys.com.au



Competition ... Quiz Time ...

1. What type of creature is a dugite?
2. What is the name of Moe's pet cat in the cartoon show The Simpsons?
3. Granadilla is another name for which fruit?
4. What Australian movie includes the phrase “Tell him he’s dreaming”?
5. Name Australia’s western-most point?

Send your answers to admin@mgsurveys.com.au.