

GET YOUR GEEK ON!

tech smart®

ISSUE 131 > AUGUST 2014 > ISSN 1726-3258 < THIS PREMIUM PRODUCT IS FREE >
FREMIUM ★

THE BEST OF 2014's
COMIC-CON!

FIND INSIDE:

- RETRO GAMING
- CULT MOVIES
- TOP 4X4s
- MOBILE HITS
- TOP TWEETS

POW!

**FLAGSHIP
-FIGHT CLUB-**

Affordable super high-yield InkBenefit cartridges



MFC-J200 InkBenefit



DCP-J105 InkBenefit

Reliability with high print volume



R199 = 2400
BLACK PAGES*

Recommended Retail Pricing including VAT

Super High Yield (Black) LC539XL BK



R149 = 1300
COLOUR PAGES*

Recommended Retail
Pricing including VAT

each

Super High Yield (Colour) LC535XL C/M/Y

*Declared in accordance with ISO/IEC24711.



Available from **makro** or your nearest IT reseller
Visit www.brother.co.za to view our full product range
print • copy • scan • fax • label...and sew much more



PROMOTION!

**UNLIMITED BANDWIDTH
UNTIL 30 SEPTEMBER 2014!**



M
MWEB
BUSINESS

WE MEAN BUSINESS

NOW THAT'S A GREAT RACK.

- Flexible usage-based server hosting from only **R547 per month***
- Pay only for what you use, from 1u/10GB to 42u/100GB

Call NOW to sign up for unlimited bandwidth until 30 September 2014!*

Your servers are the heart of your business. If something happens to them, or even if they just get swamped and fall over temporarily, the implications for your bottom line and your reputation can be very serious. You could over-provision just to protect yourself against these eventualities.

Or you could give MWEB Business a call. We offer flexible, scalable hosting in our secure, climate-controlled data centre. And if you sign up before 30 September, we'll give you unlimited bandwidth! For companies like yours, **MWEB means business**. Get in touch today.

* Only applicable to new clients.

Contact **087 700 0111 now** or email **business@mweb.com**

*Ts and Cs apply



TIME'S NOT FOR SALE

“ I want it all and I want it now!” Seminal words from the great Freddie Mercury, perfectly describing our modern hunger for more and more stuff. And guess what, digital services such as Netflix, Simfy, Hulu, Spotify, Marvel Unlimited and more recently Kindle Unlimited, are happy to oblige. Having been a Netflix subscriber for quite a while now, I love the fact that there is such a massive database of movies and series to pick and choose from. Doing the picking and choosing is of course a different story, since selecting that perfect piece of entertainment can sometimes take just as long as the movie itself.

Recently Kindle opened up 600 000 of its books to read for \$10 per month as part of their Unlimited service. While the selection might not include bestsellers or titles from some of the bigger publishing houses, there's still quite a lot on offer (luckily a number of books from Philip K. Dick too). I recently also subscribed to a \$1 promotion to get access to Marvel's 75 year archive of comics for one month (alas, an absolutely atrocious Android app makes it difficult to recommend). Gamers have not been left behind either, since EA has announced a \$5 per month subscription service for full access to four of their top titles, albeit just on the Xbox One, for now.

For some, the problem with these subscription services is that you never get to own the content, but personally I don't think that's the biggest concern. After trying to fit in unlimited movies, books, music, comics and games, alongside work, exercise and caring for your loved ones, it soon becomes evident that the biggest modern commodity is time. And that's something money simply cannot buy.

Enjoy the issue,

Mike Joubert
mike@techsmart.co.za



web design

BUSINESS STARTER PACKAGE

TERMS & CONDITIONS APPLY

@ R5880 OR R417p/m

Rental includes Hosting
Excludes R400 once off setup fee

GRAPHIC DESIGN	WEBSITE DESIGN
1 x logo design	1 x co.za domain registration
500 business cards (design & print)	10 x email addresses
1 x email signature	Website including 4 x pages & 3 x Rotating Banners
1 x letterhead design	

Tel: 087 980 4000

info@happyapple.co.za

www.happyapple.co.za

Published by:

SMARTPUBLISHING
FREE MEDIA SPECIALISTS

Tel: 0861-777-225
2nd Floor, Block C,
Menlyn Woods Office Park,
291 Sprite Avenue, Faerie Glen, PTA
www.smartpublishing.co.za



PUBLISHING INFO

Copyright © 2014. All rights reserved. No material, text or photographs may be reproduced, copied or in any other way transmitted without the written consent of the publisher. Opinions expressed are not necessarily those of the publisher or of the editor. We recognise all trademarks and logos as the sole property of their respective owners. TechSmart shall not be liable for any errors or for any actions in reliance thereon. All prices were correct at time of going to print.

EDITOR PRINT & ONLINE

Mike Joubert: mike@techsmart.co.za

ADVERTISING

Sandra-Lee van Rooyen > 079-515-8493;
sandra-lee@smartpublishing.co.za

STAFF WRITERS

Ryan Noik [RN], Robin-Leigh Chetty [RC], Mike Joubert [MJ]

DESIGNERS

Stuart Ponton, Annemart Swanepoel

CONTRIBUTORS

Stephen Aspeling, Deep Fried Man, Linda Pretorius, Moray Rhoda, Pippa Tshabalala, Mynhardt van Plietsen

COVER PHOTO

Basil Koufos > 082-439-2022

SMART PUBLISHING

General manager: George Grobler
george@smartpublishing.co.za

MAKE it
POSSIBLE | LTE



Redefining Excellence



"Music is more than just notes and sound.
It should be a total experience of the senses."



HUAWEI *Ascend* P7 Excellence With Edge

Redefining Craftsmanship

Sleek glass back with 7-layer metallic feel treatment
6.5mm slim body with ultra fast LTE connectivity

Redefining Camera Experience

Powerful 8MP BSI front camera with panoramic selfie
13MP rear camera with ISP powered low-light shooting

Redefining Connectivity

2500mAh high density battery with ultra power saving mode
Innovative dual antenna design with smart network switch

Call Centre Number: 0860 86 11 11

 www.facebook.com/huaweiDeviceSouthAfrica

 [#whaway](https://twitter.com/HuaweiZA)

www.huaweidevice.co.za



Twitter:
@techsmartmag



Facebook:
facebook.com/
techsmartmag



Newsletter:
[http://techsmart.co.za/
register](http://techsmart.co.za/register)



ABOUT THE COVER GIRL

GAMORA FROM GUARDIANS OF THE GALAXY

Also known as:

Real name is Gamora Zen Whoberi Ben Titan, but friends and foes alike call her The Deadliest Woman in the Universe.

Model: Courtney from Spotlight Agency

Quick Facts:

Like many other supers, Gamora similarly has a tragic past, being the only remaining member of her race, the Zen Whoberi, which were annihilated by the reptilian Badoon.

After being saved by Thanos as a child, she was subsequently trained to become a formidable and fearsome assassin with the main purpose of killing the evil Magus.

Gamora also received bionic implants as a young girl after an exploration went horribly wrong and left her severely injured.

As enjoyed by Wolverine, Gamora similarly has augmented and rapid healing capabilities

After discovering her master's true aim, to commit genocide on a cosmic scale, Gamora ultimately joins the Guardians of the Galaxy and fights on the side of good.

Famous Gamora quotes

"I go by many Names, my Tick-Ridden Troll, but I'm sure the one that Black Knight knew me by is Gamora, the deadliest woman in the whole galaxy!"

"Oh, I hate it when they talk in riddles. Permission to hack the truth out of her."

"Team' ? Ugh. All we need now is a secret handshake and a clubhouse."

To Peter Quill (Starlord): "Our fathers will always be up to something." **ts**



GREAT GEAR

06 Aston Martin V12 Vantage S Roadster

08 R-Kaid-R

COMIC CON

10-11 5 Coolest Things at Comic-Con 2014

REVIEWS

12-13 Flagship fight club

14 Aorus X7 V2

15 Lenovo Yoga 2 Pro

15 Everki Titan

16 MIP Robot

18 Garmin Fenix 2

18 Jabra Sport Wireless +

19 Sony Mgongo

ADVERTORIALS

20 MSI GS70 Stealth

21 Evetech Nightblade Gaming PCs

ROUND-UPS

22 New products

23 Top 4 mid-range smartphones

SCIENCE

26 Know your Numbers

27 Smart Answers

CARS

28-29 Top 4 luxury 4x4's

FASHION

30-31 #everydaycarry

32 The 4 F's of style

33 Clippers & hair grooming

MOVIES

34-35 Top 5 Cult movies

36 New releases

37 Comic-Con: the movie (and series) coming

LIFESTYLE

38 Top Tweets

38 Tech Horoscope

GAMES

44 Gaming's Mobile gems

45 Destiny Beta

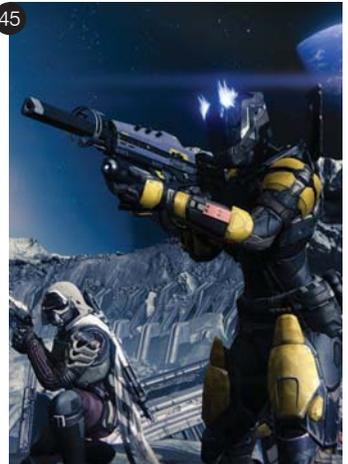
COLUMNS

46 Pippa Tshabalala

Pippa is tired of the stubby white anti-hero and believes it's time for diversity.

47 Deep Fried Tech

Recent events do not inspire faith in aviation, writes Deep Fried Man.



With the new Payment Pebble you get paid wherever you do business



With the Payment Pebble, you can turn your supported smartphone or tablet into a card payment machine. Now you can receive card payments for your good or services, anywhere, anytime. With the unique PIN entry technology, you can also offer your customers one of the safest ways to pay.

Payment Pebble, from the bank that's here for you to **prosper**.

Get your Payment Pebble today, visit absa.co.za/paymentpebble



GREAT GEAR!

ASTON MARTIN V12 VANTAGE S ROADSTER

When James Bond heads down to MI6's Q Branch, he's often greeted by a brand new Aston Martin with all the bells and whistles. The newly unveiled V12 Vantage S Roadster may not have machine guns mounted to the bonnet, but it will still make you feel like a world-class spy.

Aston Martin first showcased the V12 Vantage S Roadster in the latter part of 2013 to rapturous applause. Now half way through 2014, it has officially been made available to the public to purchase and carries the British manufacturer's title of being its fastest ever convertible.

That speed comes courtesy of the 6.0 litre V12 engine strapped to the front, that produces an immense 421 kW of unbridled power and 620 Nm of torque. As a result, it speeds to 100 km/h in only 3.9 seconds.

Like any truly great sports car, power has to be paired with seamless delivery. This is ensured by a bespoke seven-speed Sportshift transmission, designed by Aston Martin's GT racing team, providing greater control and precision as gear changes are more responsive.



Although retaining the shape that has become synonymous with Aston Martins over the past decade, the V12 Vantage S draws unique inspiration from the CC100 Speedster concept in the form of its carbon fibre grille and distinct bonnet air intakes.

With no official pricing at this stage, the V12 Vantage S Roadster is estimated to cost \$183 000 (R2 million), which means that even 007 will need more than charm to bag one of these.

JAGUAR F-TYPE PROJECT 7



When talking about British sports cars, one can't forget Jaguar, which recently debuted its limited edition F-Type Project 7 convertible. The vehicle was designed to celebrate Jaguar's reputation for creating iconic cars and draws inspiration from the British designer's Le Mans winning D-Type racing models. Under the bonnet Jaguar has fitted the F-Type Project 7 with its voracious 5.0 litre V8 engine tuned to generate 428 kW of power. Added to this, the Project 7 features an all-aluminium body with racing style suspension, ceramic brakes and Aero Haunch rear spoiler. If you're looking to get yourself one of these, Jaguar has announced that only 250 will be made, with pricing available upon inquiry only. **ts**



22.9mm, Less Than an Inch



X7

Thinnest, Lightest GTX SLI

17.3" X7 AND 13.9" X3 GAMING LAPTOPS



X7

NVIDIA®
GeForce® GTX
860M GDDR5
8GB SLI

Insanely Thin &
Lightweight:
22.9mm / 3kg

AORUS RAID
Xpress:
Transmission up to
1500MB/s

Full HD Display
with 72% NTSC
Color Gamut



**X3
PLUS**

NVIDIA®
GeForce® GTX
870M GDDR5
6GB

The Lightest
13.9" Gaming
Laptop

QHD+ Display:
170° Viewing Angle
& 72% NTSC Color
Gamut

GREAT GEAR!

R-KAID-R

Forget for a moment high definition consoles, if you want a real fix of gaming at its most nostalgic, then an arcade system, like the R-KAID-R (pronounced Ar-cad-er, get it?), is the way to go.

Eschewing the thinner-and-lighter-is-better ethos that dominates modern electronics, the system has an old world feel, housed in a solid wooden box, that can be crafted either from dark walnut, black ash or green maple.

Inside, the system plays host to an 8" LCD screen with a yesteryear resolution of 800x600, a mono speaker and a battery life of eight hours.

The R-KAID-R does bring a touch of the modern era, offering up a USB port, and SD card slot, both of which can be used to load games.

Of course, as befits an arcade system, there are also large round buttons begging to be furiously mashed and a large joystick yearning to be joyously wiggled.

As for the games themselves, the system supports emulation of PlayStation 1, Neo Geo, Game Boy, Game Boy Advance, Atari 2800, Nintendo, Super Nintendo and Sega Genesis.

Expect to spend more than a few pennies if this is a must-have gadget – it costs a cool \$3 500 from Love Hulten (www.lovehulten.com) and becomes available from September.



RETRO N 5

If you are looking for a more affordable way to go retro with your games, then the RetroN 5 is worth a look. The device enables you to dig out those old gaming cartridges for up to ten olden-day gaming systems such as the Game Boy, Game Boy Color, NES, SNES, Super Famicom, Genesis and Mega Drive. You can then slot the cartridges into the system, which connects to your flat screen TV via HDMI, and enjoy some old favourites with enhanced resolution, improved interpolated sound, screenshot capture and on the fly saves. Fighting with your sibling over who gets to play what is optional. Approximately \$500 from Amazon. **ts**



TOP DEALS

• VALUE FOR MONEY •

LENOVO IDEA 2 YOGA PRO ORANGE

Intel i5-4210U processor, 4GB RAM, 500GB hard drive, Windows 8.1.

bit.ly/idea2yoga

R10 699



Intel i3-4010U processor, 4GB RAM, 500GB Hard drive, Windows 8.1, plus 2.4G wireless Keyboard and Mouse

GREAT DEAL

LENOVO FLEX 20

bit.ly/lenovo20

R9 799

R4 509

• VALUE FOR MONEY •



MT8125/8389 quad-core 1.2GHz, 1GB LP-DDR2 RAM, 16GB eMMC internal storage, Android 4.2 JellyBean

B8000 YOGA TABLET 10 FULL BUNDLE

bit.ly/yogab8000

GREAT DEAL

R9 189

Intel Core i5 4200M @2.50GHz processor, 4GB DDR3 RAM, 750GB SATA HDD



GIGABYTE Q2556 NOTEBOOK

bit.ly/gigabyte2556

Go to www.techsmart.co.za/shop for all the specials

Free delivery in SA. E & OE. Stock is limited.



5 COOLEST THINGS AT SAN DIEGO COMIC-CON 2014

ANY BEST-OF LIST IS ALWAYS SUBJECTIVE, AND IT'S NEVER MORE TRUE THAN WHEN IT COMES TO SOMETHING LIKE THE SAN DIEGO COMIC-CON (SDCC), WHERE JUST ABOUT EVERYTHING ON SHOW IS MIND BOGGLING. COMIC BOOK GURU, MORAY RHODA, TRAVELLED TO COMIC-CON 2014 (AND WAS PART OF A PANEL DISCUSSING SA AND AUSSIE COMICS), AND REPORTS BACK WITH ONLY THE BEST OF THE BEST.



1. WONDER WOMAN REVEALED

Marvel was always going to win the war of the box office with its list of past and future cinema hits. The house that Stan Lee built came out swinging with the announcement of the *Guardians of The Galaxy* sequel in 2017. The *Ant-Man* movie also had a "preview" with a pre-filming trailer, that wowed the audience despite it not being official footage from the upcoming movie.

DC wisely focused on their TV offerings, playing full pilot episodes of *Constantine*, *The Flash* and *Gotham* on the first night, and managed to have the final say by unveiling the Wonder Woman costume for the 2016 *Batman v Superman* movie. The outfit is a realistic warrior leather design and silenced critics of Gal Gadot in the role, winning over most sceptics (and the internet). Based on the look for the warrior princess, we can look forward to a strong, tough and capable character to balance the testosterone driven male cast.

2. STAN WINSTON'S BODOCK

Stan Winston School of Character Arts unveiled the giant 4.26 m tall, 907 kg fully articulated moving creature in the exhibition space outside the Gaslamp Quarter. Due to the size of the robot creature it would have been impossible to have it moving around and interacting with convention-goers inside the Convention Centre itself.

About 30% of the parts for the robot were created by 3D printing company Stratasys, and building the creature to scale took 7500 hours. Luckily every loving minute spent creating a giant and yet friendly looking creature clearly showed. From the audience response, especially kids, he was a huge hit and my very first impression was that this was a *Where the Wild Things Are* creature brought to life. The Bodoock required a team of handlers to animate the creature and to make it move and interact with the crowds, and it is another huge step forward in practical visual effects.





3. LIFE SIZED HOT WHEELS DARTH VADER CAR

Comic-Con has long been known as the mecca for merchandising and selling limited edition exclusive (extremely expensive) toys. Mattel maximized the opportunity by creating a show-stopping Darth Vader ride in conjunction with *Star Wars* and Hot Wheels. Other than the obvious look (the windshield and grill are designed to resemble the helmet and the illuminated side-pipes match Darth Vader's light sabre), the car also billows smoke when the cockpit slides open, and it has some scary breathing sound effects to fully evoke the menace of Darth Vader himself.

The real-life working super-sleek hotrod was custom built by PCW Brands based on a C5 Corvette and can apparently reach a top speed of 240km/h – imagine listening to *The Imperial March* at full blast while doing that speed.

4. ASCENSION CAFÉ

Syfy transformed Mary Jane's Restaurant at the Hard Rock Hotel in the gaslight district of San Diego into a 60s space-race themed building in one of the most brilliant marketing campaigns at Comic-Con 2014. The exterior of the building was changed into a giant billboard for the new six episode *Ascension* series that will air in November.

Everything on the inside extended the theme, from the riveted industrial 60s metal look of the walls designed to resemble the inside of a spaceship, to the counter and bar design reflecting the retro-futuristic look of the TV show. Further ambiance was created by the 60s themed music as well as the design of the tables, the menu design and the light fixtures.

Before Comic-Con nobody knew about *Ascension*, but within days the "living" environment created a huge level of interest around the show. The only thing that could have made it better was to offer food at 60s prices.



5. COSPLAY AND THE MASQUERADE

Comic-Con wouldn't be Comic-Con without cosplay. Fans of movies, TV, comics and gaming express the love for the characters they identify with by designing and dressing up as said characters. Mingling with the other convention goers and posing for photographs, they add immeasurably to the Comic-Con experience.

Serious cosplayers work on their costumes for anything from six months to a year, to create costumes that can compete with the best designs from blockbuster Hollywood movies. In some cases the cosplayers also incorporate intricate electronics into their costumes.

The Masquerade is an event held to judge the best cosplay outfits, but those that enter have to also play the characters live onstage. More than 6 000 people turned up to see this year's winners crowned on Saturday 26 July and the event was so big it filled Ballroom 20 and overflowed into extra rooms and the Sails Pavilion where autograph signings normally happen.

The winner this year was *Giant Monsters All Out Attack*, a monster burlesque show that rewarded creativity over technical perfection. The cosplayers wore bejeweled and sequined outfits to portray Godzilla, Mechagodzilla, Mothra and King Ghidorah as Las Vegas showgirls. **ts**



CATCH THE BEST MOVIE AND TV NEWS FROM COMIC-CON ON P37.

Photos by Rupert Greyling.

FLAGSHIP FIGHT CLUB!

Three flagships go head-to-head.

HTC ONE (M8)

We were impressed to no end by HTC's One flagship last year. Ditto for the One (M8) earlier this year in Dubai. It has now finally landed in SA, ready for a fight.

When you have a winning formula, it often becomes difficult to replicate it, an issue that some might say plagues the Galaxy S5. The same however cannot be said of HTC's LTE-sporting One (M8), which builds upon last year's supremely satisfying model to deliver a smartphone that is solid, both inside and out.



Improving on perfection

As was the case with the previous iteration, the One (M8) utilises a unibody case, milled from a single piece of aluminium and given a brushed finish. This adds up to a rather handsome, albeit understated Android device. The key change is the new 5" display, which is a modest increase of 0.3" from last year. HTC has however retained the same LCD3 screen technology to deliver a crisp display perfectly suited for web browsing or gaming.

TECH SPECS



Chipset:

Quad-core Qualcomm Snapdragon 801 @2.3 GHz



Screen:

5", 441 ppi



RAM:

2 GB



Camera:

Dual Ultrapixel, 4 MP

IF YOU'RE AN ANDROID FAN, THERE ARE FEW OPTIONS MORE ENTICING THAN HTC'S ONE (M8).

Internally, HTC has opted for the popular 2.3 GHz quad-core Qualcomm Snapdragon 801 processor. This is complemented by 2 GB of RAM and resulted in



an exceptional performance during the barrage of benchmark tests we ran. Its performance is matched by HTC's intuitive Sense 6 user interface, arguably the best we've found in a smartphone this year. Furthermore, HTC has integrated its BlinkFeed application, which aggregates user's social media notifications, contacts' messages and news feeds into one single screen.

Few better

On the rear, HTC has a new dual-camera system, with each camera housing a four ultrapixel lens. The primary camera captures images, while the secondary allows one to adjust the focal point of an image post-shot. Overall this new camera setup delivers solid quality, but does not distinguish itself from its rivals.

If you're an Android fan or simply looking to make the move from your current OS, there are few options more enticing than HTC's One (M8). When you add its R9 000 price tag, you'll be hard pressed to find a better alternative to the Galaxy of plastic. [RLC]
The HTC was received as a seeding unit.

HUAWEI ASCEND P7

Huawei's latest Ascend P7 smartphone is one of this year's welcome surprises, as the phone is a clear indication that the company is upping its game.

With its R6 700 pricetag, the question the Ascend P7 ultimately raises is do you really need to spend an extra R3 000 for a similar smartphone, when you can pick such a solid performer up for quite a bit less? To start with, the Ascend P7 immediately impresses on a number of fronts. Firstly, despite boasting LTE, it is nonetheless laudably slim (6.5 mm) and well designed, sitting comfortably in the hand. More importantly though, Huawei has wisely seen fit to eschew cheap-feeling plastic in favour of a more metallic frame, which lends it a premium feel.



All inside

Additionally, we were particularly impressed by the 5" screen, which boasts a full HD (1920x1080) resolution (445 ppi), and looks sharp and rich. Also onboard is a very capable processor in the form of a Hisilicon Kirin 910T quad-core 1.8 GHz CPU, along with 2 GB of memory, which we found offered a very good performance all round. The phone certainly didn't struggle with Google's latest OS, Android 4.4 (KitKat). As has become the norm on most higher-end smartphones, the Ascend P7 offers 16 GB of storage (expandable via microSD).

WHY PAY R9 000+ IF THE HUAWEI ASCEND P7 WITH FULL HD SCREEN CAN BE HAD FROM R6 700?

Staying alive

Huawei believes the P7's 2500 mAh battery can last up to two days during normal usage, but for the most part you'll receive a day before a trip to the power point. Moreover, we have found that entering power saving mode (a new feature on the P7) has certainly enabled us to extend our usage when the battery started running low (useful for long-haul flights). As we prefer using our phone on speakerphone rather than pressed to the side of our head, we were particularly pleased by the phone's speaker, which is loud and clear.

Huawei's P7 is capable in all regards, except maybe on the camera department where it could have done better (especially in low-light). Now ask the question, why pay R9 000+ if all this can be had from R6 700? [RN] *The P7 was received as a seeding unit.*



TECH SPECS

	Chipset: Quad-core Hisilicon Kirin 910T @1.8 GHz
	Screen: 5", 445 ppi
	RAM: 2 GB
	Camera: 13 MP, 8 MP

LG G3

Not content with mere dominance, LG bullies contenders out the ring with the new G3.

Regular TechSmart readers might know the answer to this question. Which device was our top smartphone of 2013? If you answered the Galaxy Note 3 or HTC One, sorry for you. LG's G2 took top honours. By the looks of things, the new G3 might just be crowned king of the hill again in 2014. Why? Because LG delivered a smartphone that carries specs that should only truly be seen in 2015.

The most important one in our books, is its 5.5" screen containing a massive 1440x2560 pixels. This brings its pixel density to an insane 535 pixels per inch (ppi), compared to the 325 ppi on the iPhone 5s and 432 ppi on the S5. It means full HD movies are actually too low resolution to make full use of the screen's abilities. It really does look amazing, and for the first time we were actually able to see finer details, for example, in WhatsApp contact pictures.



Good stuff inside

With that large screen carrying that many pixels, you need a high-end processor to do the job. In the G3's case it's the strong Qualcomm Snapdragon 801 chipset doing business with four cores running at 2.5 GHz each. Combined with 2 GB of RAM, we didn't have problems with multimedia stalling or slow loading times on apps. Luckily, or rather responsibly from LG's side, this big boy is powered by a 3000 mAh battery which lasted a full day, although as always, using the GPS or gaming diminishes usage considerably.

A price to beat

Now for what might just be the hottest thing about the G3, its price. Retailing for R9 000 the G3 (LTE, 16 GB), matches the cost of the Samsung S5 (3G, 32 GB) and HTC One (M8) (LTE,



FULL HD MOVIES ARE ACTUALLY TOO LOW RESOLUTION TO MAKE FULL USE OF THE SCREEN'S ABILITIES.

16 GB). It needs to be mentioned that there is not a similar warranty in place for the G3 as is for the S5, plus it's also not waterproof, which may sway some opinion. But it is far better specced, plus LG actually paid attention to its looks, being made from brushed aluminium that feels like a high-end device. If you are looking for a flagship phone, the G3 is screaming your name. [MJ] **ts**

TECH SPECS

	Chipset: Quad-core Qualcomm Snapdragon 801 @2.5 GHz
	Screen: 5.5", 535 ppi
	RAM: 2 GB
	Camera: 13 MP, 2.1 MP

AORUS X7 V2

If you have been searching for a gaming and desktop replacement notebook that regards compromise as a foreign concept, then your quest is at an end - consider the Aorus X7 your new found holy grail.



We were mightily impressed by the build quality of the Aorus X7 v2 both times we saw it at Computex, Taiwan, earlier this year, and are no more so with it on our review desk. Suffice to say, the X7 is clearly made of quality components, and it shows, both on the base, which was free of creak and on the screen, which showed zero signs of flex. This comes as no surprise as the Aorus X7 v2 originates from the same manufacturers as the equally as well built Gigabyte notebooks, while pushing the envelope on performance and boasting even higher specifications.

With this, the Aorus X7 v2 has been the beneficiary of a no holds barred approach. Powering this beast is the latest generation quad-core Intel Core i7 (4710HQ), clocked at 2.5 GHz; 16 GB of DDR3L 1866 MHz memory and accompanied by two Nvidia's Geforce GTX 860M with 4 GB of GDDR5 memory each (total 8 GB of video memory). With all this onboard, you may fear that it's clunky - far from it, in fact. Considering the machine boasts two graphics cards in SLI, it is remarkably thin at 22.9 mm.

Screen dreams

Beyond the build quality, the next arena to impress mightily is the matte 17.3" screen. With a maximum resolution of 1920x1080 (on our review model), we found colours popped, blacks are beautifully rich and deep and the contrast and clarity was outstanding. Most importantly, the Aorus X7 v2 certainly has enough grunt to handle demanding games, and we found that it has enough power to keep the likes of Call Of Duty: Ghosts and Crysis 2 more than happy.

THE AORUS X7 V2 HAS BEEN THE BENEFICIARY OF A NO HOLDS BARRED APPROACH.

Generally speaking, PC gamers are all about performance, and boy, does the X7 v2 deliver. For example, in Heaven 4.0, with SLI disabled, it delivered a score of 654, with its maximum frames per

second mark comfortably delivering 66.9 fps. Even when under load, the machine remains very quiet. Furthermore, the scores returned when we enabled SLI were fantastic, or more specifically, 1233, with a maximum frames per second coming in at 126.8 fps.

As for storage, onboard our review model we have four hard drives (3x mSATA 128 GB SSDs supporting RAID 0 and one 2.5" 1 TB 7200 rpm drive), with a combined 1.3 TB worth of usable space; while the notebook also offers a plethora of ports. Evenly spread across the back and sides are three USB 3.0, two USB 2.0, an SD card reader, a mini display port and an ethernet cable connection. Additionally, onboard is an HDMI port, D-Sub and a surround port.

Honour, earned

It has been quite some time since we saw a notebook of this caliber that just nails every single key component and then goes beyond that to earn a badge of honour for being exceptional. If you're a dedicated PC gamer who wants the best in a notebook, good luck explaining to yourself why you haven't bought one (yet) when it arrives on our shores in the month ahead. It is expected to have a rather weighty RRP of R33 000. [RN] **ts**




QUICK SPECS

Processor:
Quad core Core i7 (4710HQ) at 2.5 GHz

Memory:
16 GB of DDR3L 1866 MHz memory

Graphics card:
Two Geforce GTX 860M with 4 GB memory each

LENOVO YOGA 2 PRO

The Lenovo Yoga 2 Pro still bends over backward to attract your gaze, but does the newest version deserve the honour of being called Swami?

The first Yoga hybrid from Lenovo debuted with a twist – the machine could, like its namesake, adopt different ‘postures’ (aka modes) to cater to different functions. Well, in that respect, the Lenovo Yoga 2 Pro is similar to its predecessor, still bending its joints (hinges) to effortlessly slip into tablet mode, movie watching, and traditional usage configurations.

These it performs without so much as a creak of complaint, and the steel hinges appear reassuringly strong. Whether you actually take advantage of these configurations is going to depend on you.

Salute to the sun

However, there has been a noticeable refinement on the ultrabook, as its 13.3” LED screen now boasts a luscious, and brilliant 3200x1800 screen resolution. Suffice to say, graphics, programmes, webpages and movies all look exceedingly sharp and well defined. Additionally, the machine’s touchscreen is responsive, leaving us with few complaints, although the screen is particularly thin, and thus, rough handling is not advised.

Back again is Lenovo’s motion control feature, which uses the webcam to track gestures and respond accordingly, so as to flip through your photo collection with a wave, or pinch and zoom screens with gestures. Personally though, we found using the familiar trackpad to be more elegant and less work.



Getting down with the dogs

Inside, you will find a Core i5 (4200U) processor, clocked at 1.6 GHz, 4 GB of memory, Intel HD Graphics 4000, and the standard 128 GB solid state drive. Together, these give the kind of performance across the board that you would expect from this combination of components – able to accommodate your normal everyday type of computing requirements, and a bit of gaming.

THE YOGA 2 PRO IS AN ACCOMPLISHED ULTRABOOK, THAT SHOWS THAT THE HYBRID HAS PROGRESSED BEYOND BEING A MERE NOVICE.

What we are really impressed by on the Yoga 2 Pro though is how lightweight (1.3 kg) and thin (15.5 mm) the ultrabook is, while still sporting a reassuringly solid chassis. Additionally, its chiclet keyboard (sporting slightly finger-tip curved keys) is a pleasure to type on. In essence, the Yoga 2 Pro is an accomplished ultrabook, that shows that the hybrid has progressed beyond being a mere novice, and is well on its way to becoming an adept. RRP: R18 000. [RN] **ts**

EVERKI TITAN

We have been roundly impressed by Everki’s backpacks to date, and the top of the range Titan may just be the best Everki backpack we have come across yet.

Much like the Atlas and the Versa Premium, the Titan is similarly made of quality materials, while a few thoughtful touches make it stand out for all the right reasons. More specifically, these include a large top carrying handle that is easy to grip when in a hurry; small compartments into which straps can be tucked, a rain cover and an additional small removable bag for your power cord.

It’s got your back

We were particularly glad to see that the Titan sports large padded shoulder straps, which, along with its five-point support system, means that it sits exceedingly comfortably on one’s back. The 2 kg backpack is the largest of the notebook carrying range, and supports up to 18.4” gaming behemoths. Along with being a gaming enthusiast’s dream, the Titan is also ideal for travellers who need to carry a great deal of gear with them. Most pertinently, it is checkpoint friendly, meaning that you can unzip the (lockable) notebook compartment, and lay it flat without having to remove your notebook when going through security checkpoints.

But wait, there’s more

The second compartment is equally as roomy, playing host to a felt-lined pocket for an iPad or similar tablet; a divider with zippered pockets; three open pockets (for stashing portable hard drives, for example) while still leaving enough room to comfortably stow a DSLR with a lens and flash, change of clothing, and yet more gear such as a



ALONG WITH BEING A GAMING ENTHUSIAST’S DREAM, THE TITAN IS ALSO IDEAL FOR TRAVELLERS.

portable gaming console or two. In the third compartment, which is just as deep and almost as roomy, there are dedicated slots to store pens and business cards. This then is accompanied by two nicely sized side compartments, one of which is geared towards snugly holding a water bottle within easy reach.

In terms of storage, the Titan certainly lives up to its name, as you are far more likely to run out of gear to fill it with long before it even begins to run out of space. RRP: R1 100 from PC Link Computers. [RN] **ts**

ACER K135 LED PROJECTOR

To call Acer's K135 projector small, compact and feature packed would be an understatement, but is this bright spark the new light in your nomadic life?

The K135 projector certainly looks the business, boasting an attractive modern silver and white aesthetic, with just a discrete directional trackpad on its top, along with a lens focus lever for fine tuning the picture till it's pinsharp to your eyes. Further making the case for its mobile focus (the device covers the real-estate of a 7" tablet) is the fact that it is light (435 g) and comes with a handy travel pouch.

Light her up

Beyond that though, and more importantly, the device is certainly bright for a mini projector. At 600 ANSI lumens we had no problem making out its picture (1280x800), when set to brightness mode and even in a rather light room during the day. As for connections, you have a number of choices, with HDMI perhaps being the most obvious, along with D-Sub, DLNA, Wi-Fi, and then the facility to plug a USB drive into it as well as a microSD card. To its credit, the projector further offers the facility to display video (naturally) along with photos and documents (Word, Excel and PDFs).

Into the dark

For the most part, the K135 boasts quite a bit of good, but now for the bad. Firstly, the sound emanating from the unit itself is on the loud side – not so much migraine inducing, but definitely noticeable, and it gets quite warm quickly. These issues weren't deal-breakers though,



IF YOU ARE LOOKING FOR A LIGHT-THROWING COMPANION THAT IS STILL PORTABLE ENOUGH TO SLIP INTO YOUR BACKPACK, YOU CAN DO A LOT WORSE THAN THE K135.

rather, to our mind the package's Achilles heel lay with the remote control that you must use to configure it, with its responsiveness being erratic and its keypress being woefully shallow.

That being said, if you are looking for a bright, light-throwing companion that is still portable enough to slip into your backpack and take with you when on the move, you can do a lot worse than adopting the K135. RRP: R9 000. [RN] **ts**

MiP ROBOT

One of the vanguards of science fiction has been and still remains robots, and the latest to serve as an ambassador for robotics is the tiny but entertaining MiP.

The 7" MiP robot stands just a little higher than your ankle, has two wheels for legs, and can keep its own balance remarkably well. MiP is not just a remote controlled car in a different form, the little guy has been programmed with quite a personality. With either hand gestures, or more elegantly, the freely available iOS app, you can make MiP follow you, stop or turn. With the app though, MiP's functionality is further enhanced. For starters, you can 'drive' MiP using virtual joysticks, something we found to work very well in practice, causing him to navigate both the clutter of our bedroom and the no less maze like environs of our kitchen.

Additionally, you can also draw a path on your tablet for MiP to follow, and he will do so, faithfully, unless or until he is impeded by some impassable obstacle, like a shoe, for example. However,

MiP IS NOT JUST A REMOTE CONTROLLED CAR IN A DIFFERENT FORM.



setting him into one of the several modes on offer, such as Roam, shows how well MiP can intelligently detect and bypass such impedances.

Feed me!

Furthermore, MiP can be fed – no, not Doritos and Coke - but virtual canisters of different emotions. Feeding him a 'happy' canister will make him dance a little jig, while feeding him a can of sleepy will soon result in him snoring. There are other emotions on offer, each with their own impact – such as angry, sad and guilty. If you do happen to have two MiP's on hand, you can also cause the two to box with each other. We didn't so this was not a feature we managed to explore.

Granted, it may be easy to view MiP as just a toy, and the robot is certainly a novelty item. However, if you have an interest in robotics, playing around with it shows how far consumer-orientated robotics and the science of injecting lifelike actions and reactions into machines has come. RRP: R1 800. [RN] **ts**



LAPTOP CAR CHARGERS

For all Laptop types

FROM
R390



LAPTOP CHARGERS

FROM
R280

Acer Aspire E1-570

Intel Core I3-3217U, 1.8GHz, 4GB RAM, m500GB HDD, 15.6" WXGA HD LED Display DVD-RW, Wifi, Blue Tooth Windows 8, 1 Year FRR Warranty

R6199



HP 250 G1 Series

HP 250 G1 Series, Intel Core I5-3230M, 2.6GHz, 4GB Ram, 500GB HDD 15.6" WXGA HD LED Display, DVD-RW, Wifi, Blue Tooth, Windows 8, 1 Year Carry-In Warranty

R7999



Deep Cool Windpal Laptop Cooler

Deep Cool Windpal Laptop Cooler, Angle adjustable, Metal Mesh panel, Fan speed adjustable, 4 USB Hub, Up to 17"

R275



LAPTOP BATTERIES

For all Laptops

FROM
R695

16 CHANNEL CCTV KIT H.264 + 16 WATERPROOF DAY/NIGHT CAMERAS

1 x DVR H.264 + 1TB HDD (Remote view supported)
16 x 700TVL Day/Night IR Cameras (3.6mm Sony Lens)
32 x BNC Connectors
16 x DC Male Power Connectors
1 x 16A Power Supply
2 x 100m RG59 Cable Rolls



R7950

UPGRADE OPTION

- 18 Channel Power Supply with Fusebox 20A (add R800.00)
- 100M RG59 ROLL (add R490.00)
- 2TB HDD Upgrade (add R750.00)
- 850TVL Camera (add R250.00 per camera)
- 18.5" LED Live View Monitor + 2m HDMI Cable (add R1490.00)
- LED Monitor Wall Mount Bracket 24" (add R450.00)
- 1200VA UPS – 30min Power Failure Recording (add R1500.00)
- BNC Crimping Tool (add R350.00)

RECEIVE OUR PRODUCT PRICELIST INSTANTLY!

SMS **laptop** (space) your email address to **41876** R2 per sms AND WE WILL CALL YOU BACK



SPECIALISTS IN LAPTOP REPAIRS

Printer Repairs | Laptop Repairs | Upgrades | Projector Repairs | LCD Screen Repairs | Onsite IT Support

ALL REPAIRS DONE IN OUR WORKSHOP

012-663-9190

HP, Acer, Compaq, IBM, Dell, Fujitsu Siemens, Mecor, Sony, Asus, Toshiba, Packard Bell, LG, Lenovo, Proline, Gigabyte, Apple Mac, BenQ, Sahara, and many more...

Terms and Conditions apply. Stocks are limited. E&OE. Prices may change without notice due to Rand Dollar fluctuations. All prices quoted are cash or EFT only and Incl VAT.

GARMIN FENIX 2

Garmin has been crafting useful specialised wrist huggers for some time, and the pinnacle of its multisport smart watch, the Fenix 2 shows that the company really knows what it is doing.

For starters the Fenix 2 is clearly built to endure whatever you can throw at it, and considering that it has to house a GPS sensor, is neither uncomfortably bulky or unacceptably large once it is strapped on.

Naturally, the Fenix 2 offers up the usual suspects of features – a clock, temperature, barometer, altimeter and compass. However, its notable ruggedness, a nice to have feature in most devices, is an imperative on this one, because the watch is clearly geared towards catering to an exhaustible raft of active lifestyle users.

Feature full

The full list of modes on offer include Run, Bike, Trail run Swim, Workout, Indoor (such as running on a treadmill or spinning), Multisport and then customisable profiles for skiing, ski-boarding, mountaineering, hiking and navigating.

Each mode then has its subset of features. Selecting the hike mode, for example, will give you options of pairing with the included heart rate monitoring, activating the GPS functionality and then monitor how far you walk and your time spent hitting the trail. Trail running boasts a similar subset of functionality, but adds a quick display



of your pace. Naturally, all these results are saveable, and can be viewed online at Garmin Connect.

And comfortable

Almost as important is how well it sits on the wrist. On this front, we had to hand it to the Fenix 2, not only was its strap very forgiving of different wrist sizes, it was also pleasantly comfortable. As comprehensive as it is, the watch does have its cons that users should be aware of. The grey display of its attributes against a black background is not quite as clear as a black against grey display. Additionally, the temperature reading was a good six degrees out, with the watch giving us a reading of 18°C when it was closer to a much chillier 12°C. Nonetheless, the Fenix 2 is still a superb multisport offering.

RRP: R5 800 for the watch, R6 500 with heart rate monitor. [RN] **ts**

THE WATCH IS CLEARLY GEARED TOWARDS CATERING TO AN EXHAUSTIBLE RAFT OF ACTIVE LIFESTYLE USERS.

JABRA SPORT WIRELESS+ HEADSET



Those who frequent the road with regular in-ear earphones know the frustration of getting tangled in wires. Thank heavens then for Bluetooth technology and the Wireless+ headset.

Dressed in yellow and black, the headset impresses because it works exactly as it should. Easy Bluetooth connection? Check. Easy playback and volume control? Check. Great sound quality? Check again.

Feeling fit

Whilst the Wireless+ headset looks quite large, it is surprisingly comfortable to wear, with the over the ear fit allowing very little movement while running – as it should. Jabra supplies seven different types of gels to help with the best feel, and while it might be a bit tricky to get the gels on and off, it's no more so than on other

earphones. What we enjoy about the headset is the control you have not only of your volume, but also your track selection, since you can pause and skip forward or backwards on the right earpiece.

There are two more tricks up the Jabra's sleeve. It contains an FM radio, which much to our surprise actually works quite well. We would, however, recommend searching for your preferred station before having to do so on the road. Since the Wireless+ connects to your phone via Bluetooth you can also answer calls, while calls made on your phone are transferred automatically to the headset. Sound quality during calls is good, while the same holds true for the person on the other side.

But the legs?

Much like a runner attempting his/her first marathon, the Jabra might run out of steam too soon, seeing that battery life is clocked at about four hours for music playback. This means that if you don't recharge it often, it will die on you. Luckily it juices up on the same charger that the majority of smartphones use (iPhones excluded).

Rounding off the Jabra is solid sound quality, something that not many sport headphones can brag about. In total, the Jabra Sport Wireless+ is a highly functional wireless headset that cannot be faulted, except maybe on battery life. It retails for R1 600, which is a fair amount dearer than wired earphones, but well worth it if wires are your pet peeve. [MJ] *The Jabra was recieved as a seeding unit.* **ts**

THE WIRELESS+ HEADSET IMPRESSES BECAUSE IT WORKS EXACTLY AS IT SHOULD.

MATRIX WAREHOUSE COMPUTERS

Shaping the Future of IT...

ESTABLISHED IN 2000

Who Needs Nerds
When our Qualified
Technicians are
Just a Call Away
For an INCREDIBLE Experience

MATRIX WAREHOUSE SPECIALISES IN THE FOLLOWING:

- CUSTOM BUILT PC'S
- CALL OUTS (T&C'S APPLY)
- ONSITE REPAIRS
- VIRUS REMOVALS
- TECHNICAL EXPERTISE



MATRIX WAREHOUSE CALLOUT RATES

1. Call out charge is R250-00 and it includes the first hour.
2. Every additional hour or part thereof will be charged at R200-00 per hour.
3. Travelling charges at R4-00 per km.

Tel: 011 869 2614/3 Or visit www.matrixwarehouse.co.za
● for your nearest branch

SONY MGONGO HOME AUDIO SYSTEM

Sony has a reputation for sleekly styled and refined consumer electronics. The highly popular Mgongo on the other hand is the loud and brash hooligan aiming to shake things up a bit.

Over the past few months at TechSmart, we've been hit with a barrage of small portable speakers to review, which lacked the deep bass and upper sound registers we sometimes crave. To that end, we were rather pleased to put Sony's Mgongo home audio system through its paces and give our neighbours some sleepless nights.

Big and brash

Immense, mammoth or colossal, any of these words would fit perfectly when describing the nine kilogram Mgongo, which features a total of four speakers and two subwoofers to deliver a no-holds barred listening experience. A quick flip through Mgongo's product catalogue will reveal three different models; the entry-level HT-MV22, middle of the range HT-MV55 and king of the hill HT-MV77, which we reviewed. The first two models offer 5.1 and 5.2 channel surround sound respectively, but the HT-MV77 steps things up with 7.2 channel capacity and a deafening 2450 Watts of audio power.

The Mgongo range is purpose built to deliver ample amounts of volume, but it also features a host of nifty enhancements to improve its overall experience. Chief among these is the NFC-enabled Bluetooth connectivity, which allows users to both control the audio system and stream music straight from their own device. Another inclusion is the new Football mode (standard on all models) which amplifies the sound generated from crowds and on-pitch action, as well as muting



THE MGONGO RANGE IS PURPOSE BUILT TO DELIVER AMPLE AMOUNTS OF VOLUME, BUT IT ALSO FEATURES A HOST OF NIFTY ENHANCEMENTS TO IMPROVE ITS OVERALL EXPERIENCE.

commentator narration. This may seem like a gimmick, but it offers a unique listening experience and mimics the sensation of sitting in a stadium, from a sound perspective at least.

Turned up

All things considered, the Mgongo system may not deliver the highly nuanced sound that a Bravia theater system can, but it's perfectly suited for watching sports, concerts or throwing a house party. If bass-heavy volume over crisp clarity is your preference, the Mgongo system is right up your alley. If not, better pray your neighbours don't get one. It goes for R13 000. [RLC] **ts**

MSI GS70 STEALTH

A gaming notebook that is thin, light and powerful might sound like an oxymoron, but the MSI GS70 Stealth is exactly that.

The desktop replacement notebook, which is made with brushed aluminium sporting a gunmetal grey finish, is just 22 mm thin and weighs in well under the 3 kg mark at just 2.6 kg. The MSI GS70 Stealth notebook further boasts a large 17.3" screen, with full-HD (1920x1680) resolution and a matte finish to avoid glare. But, the most important in a gaming notebook are of course its internal components, which dictate the performance on offer. On this front, the news is very encouraging.



Guts and Grunt

To start with, the processor is no slouch – its Intel Core i7 (4700Q) CPU offers more than enough grunt to handle work applications as well as intensive office software; and with the added feature of Hyper-Threading, users can benefit from an all-round multi-tasking machine as well. This is complemented by a very generous 16 GB of DDR3 memory, which means that no task is too great for this notebook and that it should be able to hold its own for years to come.

With regards to the ever-important graphics, the GS70 Stealth boasts a formidable solution – an Nvidia GeForce GTX 860M with 2 GB of dedicated video memory. Nvidia's excellent new 'Maxwell' architecture produces insane levels of performance with low power-consumption, which makes it the ideal GPU for a gaming notebook.

Play your way

According to Evetech, the strength of the onboard graphics solution means that you will be able to play games like Bioshock Infinite and Battlefield 3 on an average frame rate of between 50-60 fps, at the highest of quality options. It can most certainly handle most of the newest games without having to compromise too much on the quality settings, letting you play your games the way they are meant to be played.

Finally, the internals are rounded out with a pair of 64 GB SSDs (total 128 GB) in SuperRAID. This writes data across two SSD drives to produce unrivalled levels of performance in storage. All disk

operations are sped up dramatically and, so, booting into Windows, loading games and storing files all happen at lightning fast speeds.

Never miss a click

This unit comes equipped with the SteelSeries gaming keyboard, which sports full illumination in a colour of your choice. This enables you to customise the keyboard with more than a billion different combinations of modes, effects and colours. With consistent feedback on the buttons you are guaranteed a comfortable use whether gaming or typing. Along with catering for gaming, as a workstation, the unit can deliver on a number of other fronts, including general office use, editing your pictures with Photoshop, or doing complex modelling designs on the go. The GS70 Stealth also comes with an accompanying Sandisk Dual Ultra 16 GB flash drive, SteelSeries mousepad, \$150 (R1 500) In-Game Currency for Warface, Heroes of Newerth and Path of Exile, as well as a GS Protective bag.

The MSI GS70 Stealth has a RRP of R23 700 and includes free delivery across South Africa. This notebook, and some of its variants, are available from Evetech at www.evetech.co.za **ts**



TECH SPECS

	Processor: Intel Core i7 (4700Q) CPU	Memory: 16 GB 
	Screen: 17.3" with 1920x1680 resolution	
	Graphics card: Nvidia GeForce GTX 860M with 2 GB VRAM	

WITH REGARDS TO THE EVER-IMPORTANT GRAPHICS, THE GS70 STEALTH BOASTS A FORMIDABLE SOLUTION – AN NVIDIA GEFORCE GTX 860M WITH 2 GB OF DEDICATED VIDEO MEMORY.

EVETECH GAMING NIGHTBLADE PCS

Eveteck brings a range of small form factor gaming powerhouses to the market ready to dominate, with the MSI Nightblade series leading the charge.

While Eveteck has received many inquiries expressing a desire for small form gaming powerhouses, to date, all of the right components weren't so easily available. That, however, has changed with the Nightblade series from MSI.

This offers gamers a barebone kit inclusive of the small yet stylish case, MSI Z97 chipset motherboard, and a Gold Rated 600 W power supply. As for the case itself, it is made out of 0.8mm thick steel and coated with zinc to prevent rust and wear, pertinent because steel, unlike aluminium, can take its fair share of knocks, bumps and rough handling without cracking.

Small, but mighty

As befitting a case designed to be more easily carried and transported, the Nightblade sports a LAN-friendly handle situated at the bottom front of the case. Additionally, Eveteck offers three pre-customised variants in either Intel Core i3, i5 or i7 configurations, which can be customised even further to fit a user's budget as well as their specific needs.

While its mini-ITX form factor may be portable,

that does not mean the Nightblade is lacking for room or cramps its components. The case has enough space inside to accommodate a range of storage options, including HDD storage and MSI Super RAID, which enables users to combine hard drives, SSDs and mSATA devices.

Don't forget the graphic cards

It further fits full-sized high-end graphics cards up to 290 mm in length and 35mm in thickness, and accommodates the likes of the GeForce GTX Titan Black or the AMD R9 290X. This means that, whether players have pledged their allegiance to Nvidia or AMD, both groups can be assured of future proofing for when the desire sets in to upgrade their graphics solution. Additionally, case fans come standard to ensure proper cooling regardless of your setup, while a Boost Button enables easy, on the go overclocking.

The Nightblade series machines are available from Eveteck at bit.ly/evenight. **ts**

IT MAY BE PORTABLE, BUT THAT DOES NOT MEAN THE NIGHTBLADE IS LACKING FOR ROOM OR CRAMPS ITS COMPONENTS.



COPIER SPECIAL bizhub B36

Rental: R590 per month
60 months 0% escalation
prices excl. VAT

Service: 5.6c per copy
including all spare parts + TONER
prices excl. VAT

Technical Specifications

Volume: 36 000ppm
Functions: Copy, Network Printing, Faxing, Duplexing, Colour Scanning

Whether you're a large corporation or a growing business, the bizhub 36 will help you speed your workflow as you reduce your costs. Designed to integrate with your bizhub multifunction laser printer network, the bizhub 36 will replace costly desktop printers and reduce IT management needs by consolidating administrative functions.



KONICA MINOLTA

For more information contact
Klaas: (Cell) 079 034 5973
(Tel) 012 809 1826
klaas@ffrkonicaminolta.co.za



bizhub  **print · copy · scan · fax**

NEW PRODUCT ROUND-UP

Here are our quick thoughts on a few products that were also received for review.

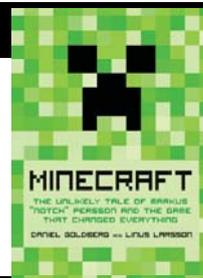


Samsung NX30 mirrorless

Samsung continues its quest to make everything "Smart" with the 20.3 MP NX30 mirrorless camera coming with so many added extras that it's difficult to make your way through them all. Onboard is Wi-Fi and NFC, plus a fast shooting speed of an excellent 9 fps. While it has a fold-out electronic viewfinder we thought that its resolution (1024x768) was not up to the challenge. R12 000 grabs it with the 16-50mm F3.5-5.6 lens and Lightroom 5.

Minecraft

Minecraft (R285, Random House Struik) chronicles the life of the Markus Persson, a former IT developer from Stockholm who took a labour of love that had a small online following, to one of the most popular games in history. Not only limited to the creation of the game itself and the Lego-inspired stories behind it, this semi-autobiography delves deeper into Persson's childhood, and how his somewhat troubled upbringing forged the passion and escapism encapsulated within Minecraft itself.



Brother J200 InkBenefit

All-in-one printers might not be the sexy part of the office, but it pretty much essential. Brother's J200 no-mess no-fuss unit contains all that the small/home office requires, including Wi-Fi setup, an app to help print files and photos off smartphones and tablets, an automatic document feeder, and new InkBenefit technology. This offers lower cost per page prices, with a 2400 page yielding black cartridge retailing for R200 and each of the three colour cartridges (133 pages) going for R150. It retails for R2 000. *The J200 was received as a seeding unit.*

BlackBerry Z3

The Z3 is BlackBerry's new entry-level device designed to offer users an undistilled BB10 experience at the wallet-friendly price of R3 000. A little spartan in terms of looks, the Z3 does feature a textured back cover, underneath which lies a 1.2 GHz dual-core processor, 1.5 GB of RAM, 8 GB of internal storage and respectable 5 MP primary camera. Overall, the Z3 may not be highly specced, but its 2500 mAh battery produces 15.5 hours of talk time and further adds to a solid smartphone experience.



Alcatel One Touch Idol Alpha

Beautifully styled, the Alcatel One Touch Idol Alpha incorporates interesting faux-glass edges and a sleek finish, priced at R5 000. Powering up the device reveals a different story, with a lackluster Jellybean (4.2) OS supported by a quad-core 1.2 GHz Mediatek processor to deliver a slightly underwhelming performance. It does however possess an above-par 13 MP camera, but ultimately feels a little overpriced given its moderate specs. *This phone was received as a seeding unit.*

Hisense Infinity Maxe X1

Fitted with a 6.8" display, the Infinity Maxe X1 from Hisense is one of the biggest phablets currently available in SA, and rings in at R5 000. That 6.8" screen displays full HD 1080p quality (324 ppi), making media viewing and games all the more immersive. Added to its substantial real estate, is a quad-core 2.3 GHz Snapdragon 800 processor, 2 GB of RAM and 13 MP camera. This results in a well-specced device with a strong enough performance to match its dimensions. **ts**



TOP **4** MID-RANGE SMARTPHONES

With these mid-range masters, you'll be wondering exactly why your mates are dropping R10k on a smartphone.



Sony Xperia M2 - R3 500

The Xperia M from Sony is very much a meat and potatoes smartphone, featuring little with regard to standout specs, but still being unrestricted in terms of the elements a user would want from a solid device.

If there is one strike to be levelled against the Xperia M2, it is that it lacks dust resistant and waterproof capacity, which has become synonymous with Xperia devices recently. From a performance perspective, the M2 is no slouch, incorporating a quad-core 1.2 GHz Snapdragon S400 processor, 1 GB of RAM and 8 GB of internal memory. All of which housed under a 4.8" (480x854) display this is clear enough for use in a variety of lighting conditions.

Nokia Lumia 625 - R3 500

Nokia has long offered a range of devices aimed at targeting a variety of price points. Its mid-range smartphones are no different, with the Nokia Lumia 625 standing out in particular, chiming in at R3 500. So what does that relatively small outlay get you? For starters, a 4.7" LCD display (480x800), making it well sized for viewing video content or images captured on its 5 megapixel primary camera.

Internally, the Lumia 625 features a dual-core Qualcomm 1.2 GHz processor, supported by 512 GB of RAM and 8 GB of memory storage. This adds up to the best value for money WP8 experience in the mid-range market.



Huawei Ascend G6 - R4 100

In terms of local visibility, Huawei might not yet be as well known as its Korean counterparts, but the Chinese manufacturer's latest mid-range offering, the 4G-enabled Ascend G6, may just change all that. The reason for the G6's appeal lies in its highly specced internal components, with a Qualcomm quad-core 1.2 GHz processor, 1 GB of RAM and 4 GB of storage capacity, all encased under a 4.5" qHD display (540x960).

The other aspect weighing in its favour is a competitive asking price, which is recommended at an estimated R4 100. Huawei has also fitted it with a solid 8 megapixel camera, and full HD video recorder. Taking all this into account, the Ascend G6 packs enough punch for users to happily wield it in front of iPhone and Galaxy users.

LG G Pro Lite - R4 800

Now we head into phablet territory, with the LG G Pro Lite, which integrates a 5.5" display for users to play on, with LG's dedicated stylus pen included with purchase. What makes the G Pro Lite enticing, is its ability to deliver a genuine phablet experience at an equally attractive price point. This means users can annotate or edit both documents and images, thanks to the stylus, akin to the Samsung Galaxy Note 3.

LG has fitted a dual-core 1 GHz Mediatek chipset with 1 GB of RAM and 8 GB of internal storage, while it runs on Android 4.1.2 (Jellybean). When you factor in the G Pro Lite's R4 800 cost, half that of the Galaxy Note 3, it might just be the bargain of the year. **ts**



MEGASTORE

Mega Deals



live beautiful

curtains • furniture • carpets • laminated flooring • lighting • blinds • linen

get connected

cameras • laptops • ipads



ONLINE SHOPPING
www.metrohomecity.co.za

Tel: 012 326 6460
info@metrohomecentre.co.za



live comfortable
kitchen appliances • heaters
water dispensers • airconditioners

be entertained
home theatre systems • tv's • dvd players



outdoor living
braai • bicycles



fabulous fabrics
bridal & evening wear
local & imported



EXCLUSIVE TO
410 Madiba St. (Vermeulen), Pretoria
GPS: S2544.65' E2811.86'

WE DELIVER

KNOWING YOUR NUMBERS

If the term rational makes you feel irrational, real sounds more like unreal and π and i are nothing but strange symbols, read on to learn how to speak math.

$\pi = 3.14159\dots$ Easy as pi

G(r)reek definition: Pi is a mathematical constant that represents an irrational number to describe the ratio between the circumference and diameter of a circle.

The Aha! moment: A mouthful. OK, so you know from school that $\pi = 3.14$ and a few more decimal digits. In fact, quite a few more. In fact, a never-ending string of decimal digits without any repeating pattern. That's exactly what irrational means in maths. But you also know that pi can be expressed as $\frac{22}{7}$. This is a ratio, which is math for relationship. In the case of pi, $\frac{22}{7}$ is the relationship between the perimeter of a circle to the length of the line that cuts it in half. And because the ratio holds for any circle, it is considered a mathematical constant. The Greek letter π – yup, p is for perimeter – is just a shorthand form so that we don't have to recite a gazillion decimals every time we want to use it.

Why it is useful: Pi creeps up in all calculations about the properties of circular or cyclical things, such as finding the circumference or area of a circle, the volume of a sphere or the period of a sine wave. And we use those properties every day to make sense of our world: from knowing the size of your car's wheels to estimating the volume of a planet.

0 Nothing means something

G(r)reek definition: The number 0 is the smallest non-negative, rational real number.

The Aha! moment: Who can understand that?! In maths, a real number is simply a value that lies somewhere – anywhere – along a continuous number line. Rational is the opposite of irrational; therefore something with a finite string of decimal digits, or even none at all. As for non-negative, it means a value that is neither positive nor negative, but can tip over in any direction depending on the context. So, 0 is simply an ending number that appears at the boundary between positive and negative numbers on a number line. Sorted.

Why it is useful: Zero can be used as a digit, a number and a symbol. Versatile. As a placeholder, 0 makes counting really easy. It helps us understand the value of something more than 9. So, 10 simply means one unit of ten and zero units of one. Similarly, 100 means one unit of hundred and zero units of ten and one. And 101 means... ok, you get the drift. As a number, it helps us do calculations, especially when we want to do fancy things with variables in equations, like change the form but not the value. And as a symbol, 0 is the right-hand man of 1 in computer language, the yes–no code on which all computer instructions rest.

$i = \sqrt{-1}$ Imaginary (number) friends

G(r)reek definition: An imaginary number is a real number multiplied by an imaginary number.

The Aha! moment: Let's start by writing it another way: $i^2 = -1$, which is like writing $x^2 = -1$. Taking one step back, we see that this simply means $1 \times x \times x = -1$. In maths, multiply means to transform a number. So, the equation asks us to change the form of a number in the same way twice to get to -1 . Now, remember that real numbers lie along a number line consisting of positive and negative numbers. Along this real dimension, there is no way that we can multiply 1 twice in any way to get a negative; the result of such consecutive changes is always positive. But, by drawing a perpendicular line intersecting the existing one, we can create a not-really-there line of numbers that also consists of positive and negative values. So, if we step from real 1 to imaginary $1 - i$ – once, and then take another i -size step to real -1 , we would have satisfied the equation. So, the imaginary line of numbers allows us to think of numbers as two-dimensional, geometric concepts.

Why it is useful: By thinking of numbers as two dimensional, we can use simple arithmetic to solve problems about things that rotate around a fixed point, such as the direction in which a ship is heading or the phase of an electrical current in a circuit. **ts**

Sources:

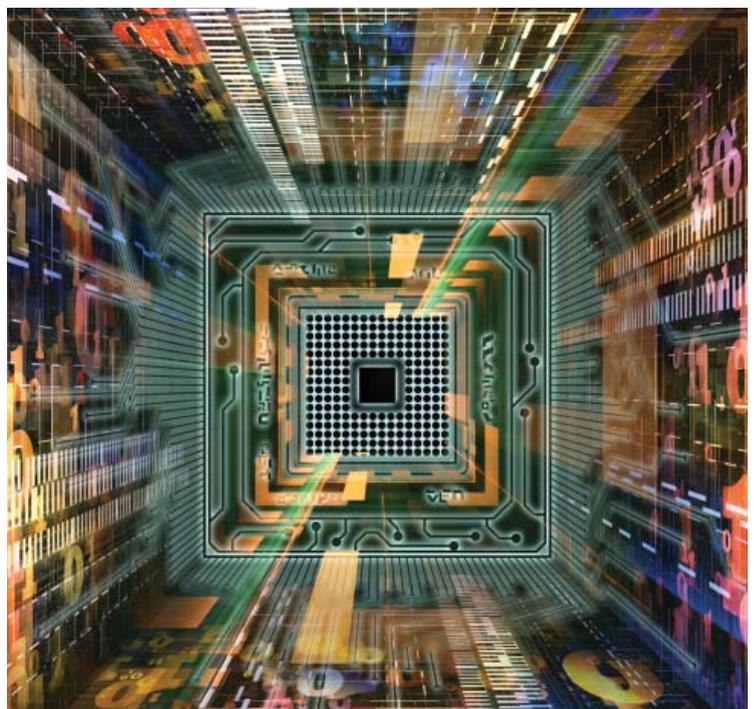
π . The joy of pi: <http://www.joyofpi.com/pilinks.html>

0. BBC: <http://www.bbc.co.uk/radio4/science/5numbers1.shtml>

Wikipedia: [http://en.wikipedia.org/wiki/0_\(number\)](http://en.wikipedia.org/wiki/0_(number))

The Math Forum: <http://mathforum.org/library/drmath/view/57051.html>

Imaginary numbers. Better explained: <http://betterexplained.com/articles/a-visual-intuitive-guide-to-imaginary-numbers/>



SCIENCE

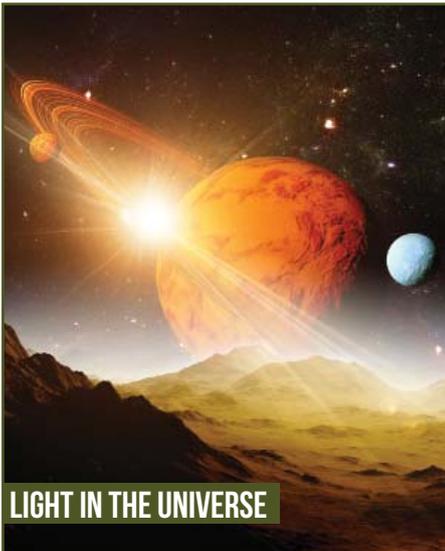
PIC OF THE MONTH



It might look like a regular microscope, but this one is made from Lego. Designed by Carl Merriam, his Lego Microscope MkII actually works, magnifying 10x while containing LED lights and magnifying glass. It is currently up for vote on Lego Ideas, where fans can support user submitted ideas. If an idea receives 10 000 votes, Lego's review board can select it for actual production, with the designer receiving a percentage of the sales. Vote for Carl's design here: bit.ly/legomic.

SMART ANSWERS

LIFE IS FULL OF QUESTIONS THAT NEED SMART ANSWERS. WE CAN HELP.



LIGHT IN THE UNIVERSE

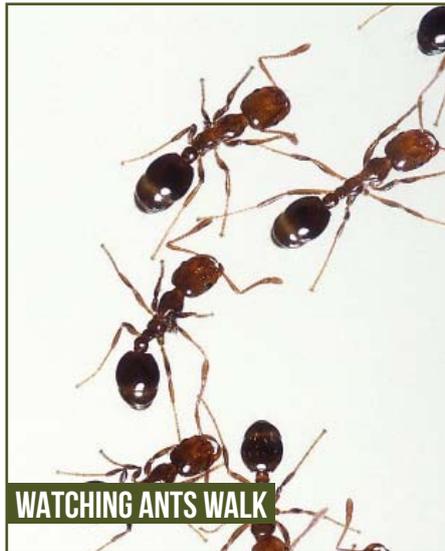
Image: Shutterstock

How bright is the universe? Much brighter than we thought.

How so? A new study shows that there is five times more ultraviolet light in our nearby, fairly recent universe than can be produced by known sources. But strangely, when telescopes focus on very old galaxies, billions of light years away, everything checks out.

What does this mean? For starters, our calculations and understanding of our nearby universe are probably wrong. This means that there's likely another light-producing source or mechanism at work. Finding it will help us understand more about the universe.

Any ideas of what this might be? Until now, astronomers thought that only quasars and super hot young stars can produce UV light. But now they think decaying dark matter might be a source to investigate, which would be a feat on its own

Source: bit.ly/1qTH6dn

WATCHING ANTS WALK

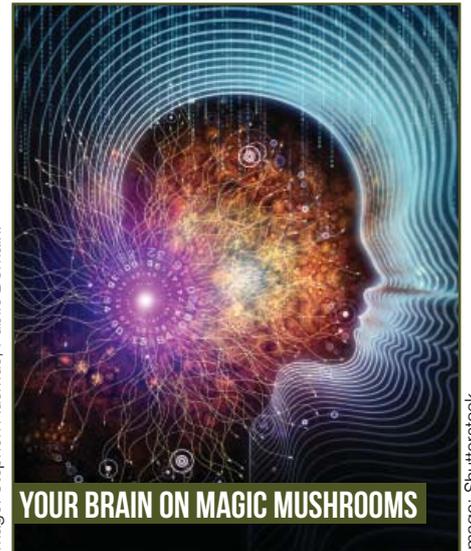
Image: Stephen Ausmus, Public Domain.

Walking with six legs is complicated, right? Actually, no. Ants take it in their stride.

How? A recent study shows that ants use their three sets of legs almost like a tripod walking stick. During a step, the front and back legs on one side and the middle leg on the other side move together. On the next step, the combination alternates to the other side.

What about running? Same thing, except that they then increase their stride length and take more steps. One tripod of legs is always on the ground. This helps to keep their centre of mass low, which, seeing that the abdomen makes up most of the ant's body mass, improves stability.

Why is this research important? Understanding the biomechanics of a six-legged gait can be useful for designing successful walking micro-robots.

Source: bit.ly/1AcS8NM

YOUR BRAIN ON MAGIC MUSHROOMS

Image: Shutterstock

How does your brain look on magic mushrooms? Brain scans of volunteers taking psilocybin, the psychedelic chemical found in magic mushrooms, showed that the resulting patterns of brain activity are similar to those seen during dream sleep.

In what way? Areas in the brain network linked to emotional thinking and memory showed increased coordinated activity under the influence of psilocybin. In contrast, activity in brain areas involved in high-level thinking and self-consciousness seemed quite chaotic. These patterns are similar to what are seen during dreaming.

What does this tell us about the mind? Scientists think that the brain controls consciousness so effectively because only an optimal number of networks are active at a time. This critical point maintains a balance between order and disorder. Psilocybin seems to be able to manipulate this critical operating point. **ts**

Source: bit.ly/1qTH6dn

TOP 4 LUXURY

When you get behind the wheel of a luxury 4x4, few vehicles can match their intoxicating combination of size, power and comfort. With those qualities in mind, we've listed the top four luxury 4x4s money can buy.



Land Rover Range Rover Autobiography

There are fewer vehicles more synonymous with luxury than the Range Rover. Over the past four decades, the British manufacturer's premium 4x4 has garnered a strong reputation of being equally adept in both the worlds of off-roading and city living alike. Its ability to master any environment has seen the Range Rover move from being the car of choice for upper crust elder statesman to a firm favourite among the nouveau riche footballing elite.

There are four different models to choose from within the Range Rover line-up, with our personal favourite being the Autobiography edition. It too is available in three different engine options for prospective buyers to choose from. Although if you have the kind of cash to splash on a luxurious vehicle like the Range Rover, it's probably best to opt for the class topping 5.0 litre Supercharged V8. This engine is tuned by Land Rover to produce 380 kW of power, which is complemented by 625 Nm of torque. As a result the Range Rover Autobiography can reach 100 km/h in 5.4 seconds and has a top speed of 225 km/h, more than enough to match its equally impressive power.

For the Range Rover Autobiography that we've been talking up, South African drivers will have to fork out R1.9 million at the minimum. At that price, the Range Rover Autobiography is certainly not for the 99%.



Toyota Land Cruiser Prado

Toyota is a motoring brand with a well storied history within Southern Africa, with one its most iconic vehicles being the Land Cruiser. Toyota's Land Cruiser Prado is the latest iteration in a long line of highly specced off-road venturing vehicles that provides substantial levels of comfort for both driver and passengers. Just like the Range Rover, the Land Cruiser Prado is spacious enough to cater to the entire family, but also well equipped to handle the rigours of any off road obstacles put in its way.

While the Prado may have plenty of power, it's not intended to deliver speed, a fact evidenced by the 4.0 litre V6 engine fitted to its top of the range VX Auto. This engine produces a maximum of 202 kW and 381 Nm of torque, which may seem a little when compared to the Range Rover, but is more than enough to cope with the demands of highway travelling. Added to this, the Prado sports downhill-assist control, vehicle stability control and active-traction control to ensure drivers can handle challenging terrain.

Of all the 4x4s we've listed, the Land Cruiser Prado is certainly the most attractive from a pricing perspective. The range topping 4.0 V6 VX Auto (with sunroof) will set you back R762 000, which presents one of the best value for money purchases currently available within SA. When you factor in Toyota's strong track record in terms of vehicle reliability, and the Japanese manufacturer's vast presence within SA, the Land Cruiser Prado is a tempting prospect.

Mercedes-Benz G63 AMG

As the Stuttgart-based manufacturer releases new coupés and supercars every few months, there is still one vehicle that has endured throughout with only a few subtle changes over the decades. The *Geländewagen* or G-Wagon as it has been affectionately dubbed, has retained its instantly recognisable angular shape since it first debuted in the early 1970s. Nowadays, the G63 AMG tops the G-Class as its premium 4x4 model and still commands a high level of respect among its off-roading peers.

Even though the G63 is a hulking 4x4, it has been given the AMG finely tuned treatment and as a result should not be trifled with in a one-on-one race. Beneath the hood, Mercedes-Benz has opted for a specially designed 5.5 litre Biturbo V8 engine that generates a sizeable 400 kW of power and 760 Nm of torque, clocking a 0-100 km/h time of 5.4 seconds, with a top speed of 210 km/h. Not only built for surprising speed, the G63 sports its fair share of 4x4 technology to enhance one's off-roading experience. One of its key technologies is the triple-tiered differential lock system to ensure power and traction is maintained on a variety of terrains.

If the Range Rover's price had you doing double takes, brace yourself for this one. Mercedes-Benz currently lists the G63 AMG at R2 million, which will climb even higher with value-added extras. If you're a fan of German engineering and like the look of the G-Wagon, you better start saving.



BMW X5

In the early 2000s, the BMW X5 was a true game changer within the South African market. Not only was it a new direction taken by the Bavarian manufacturer, but they produced a range that married the precision of German engineering and the power of BMW's engines. Over the past few years however, the market has been saturated by smaller crossover SUVs, but the newly minted BMW X5 is hoping to change all that.

First and foremost, this new iteration has seen a focus on a more aerodynamic shape from BMW. As has become standard with most of BMW's newer vehicles, the X5 features TwinPower Turbo engines in both petrol and diesel variants. The top of the range version for the former, is the xDrive50i, which is paired with a 8-cylinder engine setup tuned to deliver 330 kW of power and 650 Nm of torque. Although not as high as some of the other luxury 4x4s featured on this list, it still manages to clock an impressive 0-100 km/h time of 5.0 seconds flat and tops out at 250 km/h.

If the BMW X5 is a luxury 4x4 you like the look of, there are two petrol and three diesel models to choose from, with the xDrive50i estimated to cost R1 million prior to the factoring in of any value-added extras. If however diesel is more your taste, the X5 M50d is BMW's top offering, and requires just over R1 million to drive off the showroom floor. [RLC] **ts**

#EVERYDAYCARRY

What you need to know

by Mynhardt van Pletsen

At the core of every man is the deep desire to protect and provide. In our postmodern society, that literally means popping into the grocery store between gym and *Game of Thrones*. What a far cry from the hunting and killing instincts that make us what we are - Ned Stark weeps for us all.

Thus, to reconnect with our ancient impulses, and to keep us from settling into a culture where the manliest thing you can do is [maybe] change a light bulb, the #everydaycarry phenomenon was born. More than a philosophy of being, #everydaycarry is a community of people, a clan if you will, that subscribes to the ideas of being prepared, independent, self-sustaining, and generally ready for action. Practically, this translates into 'carrying everyday' the basic tools you'd need to navigate the unique challenges of sitting on the proverbial iron throne.

So in the spirit of #everydaycarry social etiquette, we disclose our ideal pocket dump, a not-so-subtle display of what you'd need to assert your kingly claims amidst the white walkers of this wintry world.

1 First things first, the Leatherman Freestyle hits both the targets of manliness and minimalism, including only the definitive multi-tool pliers and a hefty blade. Get the CX version for added carbon cred. R700. www.capeunionmart.co.za.

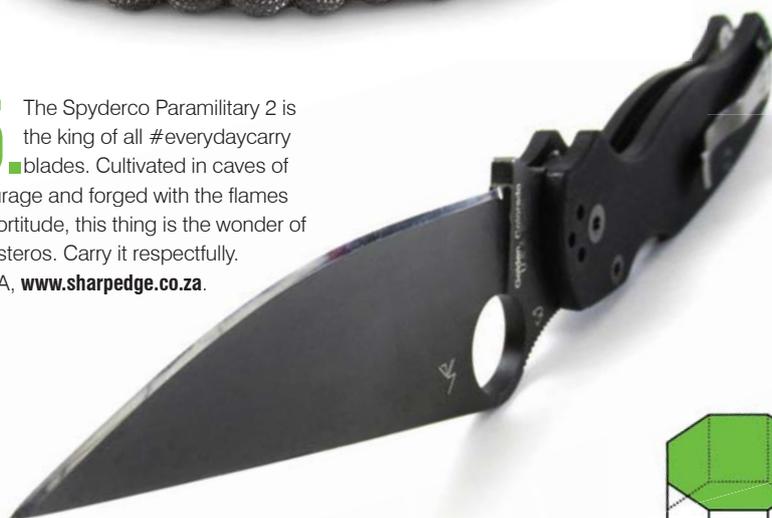
2 The mini Lenser combines the subtlety of a pocket flashlight with the brash illumination of LED technology. R635. www.caching.co.za.

Like this? Find more at:
everyday-carry.com
everydaycarryblog.com

3. Although your own personal style might dictate just how overtly you're carrying this one, the paracord bracelet needs to be at least within reach at all times. Good for strangling low-lives and stringing up Lannisters. Not really. R50, Trappers Trading.



5. The Spyderco Paramilitary 2 is the king of all #everydaycarry blades. Cultivated in caves of courage and forged with the flames of fortitude, this thing is the wonder of Westeros. Carry it respectfully. POA, www.sharpedge.co.za.



4. Measuring everything from distance, speed, altitude and heart rate, the Suunto Ambit 2 adventurer's watch is more than wrist wear, it is a complete apocalypse survival station. Get it in black to match its attitude. R8 000, Sportsmans Warehouse.



6. Yes, we know you have your smartphone's camera on hand, but if you have loftier ideals than a few instant social media likes, the Canon G16 should be your shooter of choice. Small enough to fit into a jacket pocket, the G16 will prove its worth not only with awesome shooting speeds (12 fps), but also great image quality. R6 250. **ts**

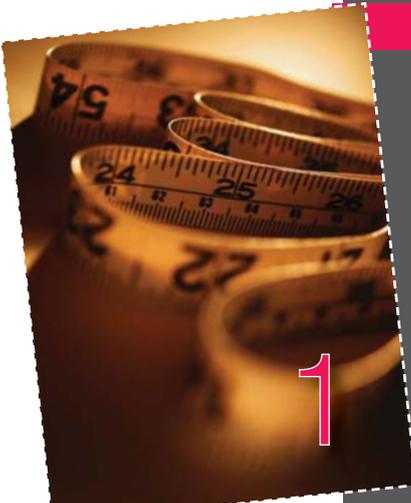
THE 4 F's OF STYLE

by Mynhardt van Pletzen

For this month, allow us then to further your education in the department of gentlemanly garb. Once you're done reading this, you'll be able to wangle your wardrobe according to the four F's of style, namely fit, fabric, feel and fashion – in that order. Your daily dressing decisions only translate into personal style, once you've managed to apply them effortlessly, and seemingly without even trying.

FIT IS EVERYTHING

Before you worry about what your buddies are wearing, what the magazines say [gulp!], or even how it feels, for goodness' sake, make sure your stuff fits right. Gone are the days of the baggy boardshorts and the spray-on skinny. It's time to realise your body type and, literally before anything else, buy clothes that fit properly. Find a reasonable and honest opinion on your fit, and just as important, do what it says.



FABRIC MATTERS

This is something few guys barely think about. Want to know why that original Bafana jersey feels like a thousand bucks? It's the fabric, my friend. Forget about finding your favourite pants in your favourite colour, and rather worry about avoiding the corduroys of this world. The right kind of fabric falls perfectly, feels comfortable, and lasts forever. Make good choices.



FEEL IT UP

Once you've sorted the right fit and fabric, your purchasing decisions should be informed by feel. The way that new jacket feels on your shoulders might seem like a trivial matter, but believe us, in a month's time, you're only going to be wearing the gear that feels right, no matter the brand, colour or fashion.



FASHION SCHMASION

Let me be clear: fashion is not style. The former is what a money-hungry industry uses to part you from your cash, the latter is what you use to express your own unique way of being in this world. Be aware of fashion trends, but at the end of the day, wear what makes you feel and look like you. It's never about what you wear, it's always about how you wear it. **ts**

CLIPPERS & HAIR GROOMING

by Mynhardt van Pletsen

Some people are just naturally more gifted in the follicle area than others. For some of us, male pattern baldness will become a bitter reality, whereas for the rest, let's just say that 'trimming' is as much an understatement as 'jogging' is (was?) to Mr. Fordyce.

If only our worries were limited to what is growing on our heads - but as it stands, there seems to be ample shrubbery showing themselves in less suitable bodily places. Even more so as you advance in years. If you're one of the proud owners of a Matfield'esque type growth phenomenon, then it is with you in mind that we showcase some of the best tools in the business with which to keep your manly hedges in check. If not, be ever so thankful that the concept of 'manscaping' will never apply to you. Safe clipping!

The Wahl Groomsman Pro set is a full-blown collection of clipping tools. Whether you want to subtly shape or all-out annihilate, this is the go-to product for enthusiasts and professionals alike. Bonus: it comes complete with its own cleaning kit. *R543*, Online at www.home.wahl.com.



If you're not in need of all the bells and whistles, or 'Brazilian' in your mind still refers to a South American nationality, then the stripped down Wahl MultiCut Deluxe is for you. Nicely kitted out with the bare essentials, this will keep you manageable in all the right places. *R590*, Clicks.

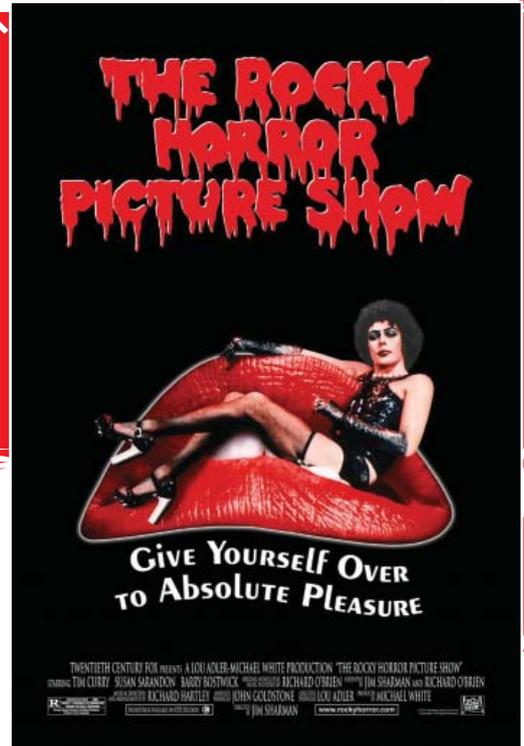
The Braun Cruzer Precision is much more sniper rifle than assault arsenal. Use this bad-boy to target specific problem areas, and snuff out irritable insurgents in inconspicuous places. This one requires a steady hand. *R200*, Clicks.



Once you've had your fill of electronic hair eviction gadgetry, why not go back to basics with the familiar scissors and cut-throat blade. These still demand your respect and should be used with extreme caution, especially when applied to the nether regions. Don't say we didn't warn you. *Prices and availability at most leading hair salons and barber shops.* **ts**

TOP 5 CULT MOVIES

Some movies have a certain *je ne sais quoi* that keeps on pulling in fans well after its release. Movie fundi Spling separates the wheat from the chaff to bring you the most outstanding cult movies ever.



The Rocky Horror Picture Show (1975)

If you want the epitome of cult, *The Rocky Horror Picture Show* is it. Tim Curry's exuberant performance as Dr. Frank N. Furter helped cement an off-beat career and a musical comedy horror classic. While a tribute to sci-fi and horror b-movies from the 30s to 70s, the film has become a social phenomenon.

After a false start, the film gathered momentum with midnight screenings in 1976, which had audience members dressing as characters and singing along. *The Rocky Horror Picture Show's* international cult following inspired a stage play adaptation and continues to draw crowds of fans and converts.

Cult Trivia: Mick Jagger wanted to play Dr. Frank N. Furter in the film version, while Meat Loaf stars as Eddie.

Quotable Quote: Frank: "Do you think I made a mistake splitting his brain between the two of them?"

**Don't WING it,
SPLING it!**

For awesome movie news and insightful reviews visit: spling.co.za | splingmovies.mobi | spling.mobi





The Big Lebowski (1998)

While a frontrunner for the film with the most f-bombs, the Coen brothers' crime comedy cult classic *The Big Lebowski* is arguably their most loved movie. The film revolves around the misadventures of "The Dude", a slacker and ten-pin bowler played by Jeff Bridges, and his best friend and bowling teammate, a cantankerous Vietnam veteran, played by John Goodman.

When The Dude's not taking it easy with a White Russian, he's bumping into a number of oddball characters and trying to unravel an unnecessary plot. Since its inception, *The Big Lebowski* has inspired the religion of Dudeism and annual festivals, including the Lebowski Fest and The Dude Abides.

Cult trivia: The Dude says "man" 147 times in the movie, nearly 1.5 times a minute.

Quotable Quote: Walter: "No, Donny, these men are nihilists, there's nothing to be afraid of."

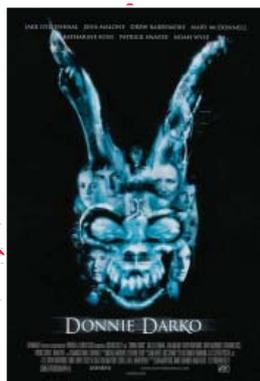
The Evil Dead (1981)

Bruce Campbell and Sam Raimi struck gold with their micro budget log cabin horror, *The Evil Dead*. While the crew was largely inexperienced and the conditions poor, Raimi converted his short film, *Within the Woods* into *The Evil Dead* on a meagre \$100 000 budget.

The film was labelled as a video-nasty based on its violent and disturbing content. While this hampered some commercial success, it helped foster its cult notoriety. Campbell's defining role as Ash Williams, earned him cult icon status as a figurehead for the film's media franchise, which has come to encompass *Evil Dead II*, *Army of Darkness*, video games and comic books.

Cult trivia: Stephen King's glowing endorsement contributed to the movie's success, and was used on film ads and posters (see right).

Quotable Quote: Ash: "You bastards, why are you torturing me like this? Why?"



Donnie Darko (2001)

If you want a structured plot and a logical, linear time-line, then *Donnie Darko* should not be on your to-watch list. While the film received a tepid response after initial screenings, it has developed a massive cult following since its release in 2001. While many would admit to feeling dumfounded during the rendition of *Mad World* by Gary Jules in the closing credits, this is just part of the *Donnie Darko* experience.

The cult classic covers time travel, fate, fear, visions and generally functions as a dark, comic, supernatural high school fantasy drama. The 80s music adds to the surreal quality of the visions and Jake Gyllenhaal's manic performance captures the offbeat and thought-provoking essence of Richard Kelly's film.

Cult trivia: The Arabic-styled font used on the original movie poster was changed after the attacks of 9/11.

Quotable Quote: Donnie: "Why do you wear that stupid bunny suit?" Frank: "Why are you wearing that stupid man suit?"

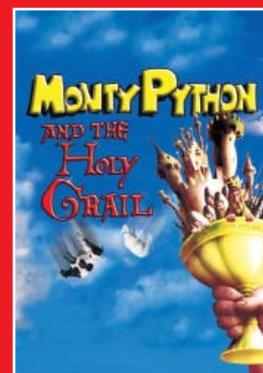
Monty Python and the Holy Grail (1975)

The fearless and now famous Flying Circus comedy troupe managed to give a timeless and iconic quality to their irreverent medieval send up, *Monty Python and the Holy Grail*. From using half-coconuts to mimic horses galloping, to concocting a string of indelible comedy sketches, the team outdid themselves on a shoestring budget.

The film's quotable quotes, memorable scenes and devoted cult following resulted in a "lovingly ripped-off", Tony award-winning Broadway production musical called *Spamalot*. *Monty Python and the Holy Grail* is a testament to great writing and demonstrates that even Arthurian legend isn't immune to camp, silly and over-the-top comedy.

Cult trivia: 'God' is represented by a photo of the famous 19th century cricketer, W.G. Grace.

Quotable Quote: French Soldier: "Your mother was a hamster and your father smelt of elderberries!"



NEW

CINEMA RELEASES



Guardians of the Galaxy (1 August)

If being dubbed "Space Avengers" has only made you more excited at the prospect of seeing this ragtag team do their thing, you've probably been

counting the hours until Marvel's *Guardians of the Galaxy* crash lands at cinemas. Judging from the buzz, this intergalactic superhero adventure is destined for infinity and beyond.

Classic 60s and 70s mix tape music, killer superhero visuals and plucky *A-Team* style heroics is what's under the hood in James Gunn's blockbuster follow-up to *Super*. Right now, it's probably the closest thing we have to seeing a Tarantino superhero film, and box office success seems inevitable.



Hercules (8 August)

Dwayne "The Rock" Johnson is quickly becoming the next-gen Schwarzenegger with his natural charisma and hulking physique. The nearly-iconic Hollywood action hero was the top-grossing

actor in 2013 and is continuing his "work hard, play harder" philosophy into the realm of Greek mythology with *Hercules* this month.

Hercules arises from the ashes of 300: *Rise of an Empire* and *Immortals* to erase any traces of that clunker, *The Legend of Hercules*. Brett Ratner's film is based on the graphic novel, *Hercules: The Thracian Wars* and seems to be a blend of *Conan* and *The Scorpion King*, in yet another epic Greek action adventure.



Expendables 3 (15 August)

What do Wesley Snipes, Antonio Banderas, Mel Gibson, Kelsey Grammer and Harrison Ford have in common? A year or two ago, you probably would have guessed something like 'tax fraud'. Right now, it's *Expendables 3*. Stallone isn't ready to play dead, evidenced by the biggest retirement franchise since *Grumpy Old Men*.

Expendables 3 is a nostalgic action men of the 80s and 90s collective, which promise, and deliver, on senseless violence, macho action and tongue-in-cheek humour. It's probably not going to live up to *Rocky* or *Rambo* for guts 'n glory, but it's a lot of fun as a "skiet, skop en donner" revival.



Sin City II: A Dame to Kill for (22 August)

Frank Miller and Robert Rodriguez are back after nine years with the prequel and sequel, *A Dame to Kill for*, the follow-up to *Sin City*. While Eva Green's banned movie poster

has clouded the publicity around the crime thriller's release, ironically, there's more than meets the eye.

The film is set to release in 3D, bringing Miller's in-your-face graphic novel within touching distance. Then to whet your appetite even further, most of *Sin City*'s original cast are reprising their roles with newcomers in Eva Green, Josh Brolin, Ray Liotta, Joseph Gordon-Levitt, Christopher Lloyd and even Lady Gaga.



Lucy (29 August)

We're staring down the barrel of a sci-fi actioner cocked by Scarlett Johansson and loaded by Luc Besson. While Besson is renowned for *The Professional*, *The Fifth Element*, *The Big Blue*

and *La Femme Nikita*, he slipped out of the director's chair and into a 'backseat' role in the 2000s.

While his last few films haven't quite hit bull's eye, we're all hoping that *Lucy* is going to with its pulpy blend of *Hannah*, *The Matrix* and *Limitless*, with Johansson starring as, yet again, a *femme fatale* with ever expanding mind capabilities.

MOVIE NEWS



Everybody loves J.R.R. Tolkien...

Shortly after it was announced that a biopic was in development for the late *Lord of the Rings* author, another smaller film is gearing up. *Tolkien & Lewis* will focus on J.R.R. Tolkien's friendship and rivalry with C.S. Lewis, author of *The Chronicles of Narnia*. The two were colleagues at Oxford University, fellow war veterans and had many religious debates. Strangely

enough, it's set to be directed by *Con Air*'s Simon West and is set for release in Easter 2015.



The Ring is scaring up another sequel

Naomi Watts, VHS, horses, death... *The Ring* seems like a distant memory or nightmare. Whether you chose to block it out intentionally or not, the franchise is about to push play on another sequel with *Before the Fall*'s F. Javier Gutierrez signed on to direct. Most people don't have the capacity or muscle memory to play VHS these days, so we're hoping they convert to DVD or find a more modern way of killing off their audience. **ts**

COMIC-CON: THE MOVIES (AND SERIES) COMING

As the dust settles over San Diego, California from this year's Comic-Con, we round up some of the most rousing and intriguing television and movie projects forecasted for upcoming release.

Wonder Woman joins Dawn of Justice roster

We've already spent many an hour mulling over the details for DC's *Batman v Superman: Dawn of Justice* superhero smorgasbord that will see the Dark Knight and Man of Steel going toe to toe. One of the other DC stalwarts, Wonder Woman, will also be joining the action as director Zack Snyder gave Comic-Con attendees the chance to view a short clip from the 2016-slated film, along with the first image of Gal Gadot (*Fast & Furious 6*), who will be playing the Amazonian superhero.



Constantine coming to small screen

Not content with simply producing big-budget blockbusters, DC is also working hard on its television offerings, with one of its less spandex-covered (anti) heroes, John Constantine, (*Hellblazer*) receiving his own series in October this year. For those unfamiliar with his story, the magick loving Constantine, played by Matt Ryan (*Criminal Minds*), is in a constant battle against the armies of hell but also struggles against his own assortment of inner demons. At least this time round Constantine is British and blonde, as in the comic.



Upcoming Sinister Six film bumps Spidey to 2018

Spider-Man is clearly one of Marvel's most valued superheroes, but it seems that the third installment in the web slinger's rebooted franchise will take a back seat to a greenlit *Sinister Six* movie. Sony Pictures detailed the upcoming supervillain film for release on 11 November 2016, with six of Spider-Man's most feared foes set to join forces. At this stage, The Sinister Six will consist of The Green Goblin and Rhino, who we saw in *Amazing Spider-Man 2*, as well as Doctor Octopus, Vulture, Mysterio and Chameleon, although an appearance from Spidey himself is still unconfirmed.



Avengers assemble once again

With *Guardians of the Galaxy* being Marvel's major superhero hit of the moment, they still carved out a large chunk of time to speak about *Avengers: Age of Ultron* (April 2015). This time round the Avengers will get two new recruits in the form of sibling pair Quicksilver and Scarlet Witch, played by Aaron Taylor-Johnson (*Kick-Ass*) and Elizabeth Olsen (*Godzilla*). Local audiences will have added incentive to watch the sequel as one of the major fight scenes takes place in the Joburg CBD, where the Hulk finally succumbs to road rage after being cut off by a taxi.



Firefly returning as online RPG game

If you're a sci-fi series fan, you cursed the television gods when you heard Joss Whedon's *Firefly* ended in 2003. There is now some salvation as the wildly popular series has been reincarnated in online and mobile game form, with Windows PC, Mac, Android and iOS versions in the works, as well as fan-favourite Nathan Fillion reclaiming his role as Captain Malcolm Reynolds. *Firefly Online* is tipped for the final quarter of this year.



Microsoft details Halo: Nightfall live action series

Not one to be left behind, Microsoft also joined the action at Comic-Con with a big announcement of its own, as the Halo universe is set to come to life in an upcoming live action series named *Nightfall*.

The series is being produced under the watchful eye of Ridley Scott (*Alien*, *Gladiator*), and will serve as a precursor to Microsoft's 2015-scheduled Halo 5: Guardians game. With a debut slated for November, it will prove interesting to see how well the *Halo* series keep the fans happy. **ts**



- Trevor Noah** @Trevornoah · Jul 17
Girl my love for you is like a Nokia 3310 #Unbreakable
- Matt Roller** @rolldiggity · Jul 14
A good way to seem more whimsical is to constantly have jelly beans spilling out of your pockets.
- Elon Musk** @elonmusk · Jul 14
Flight 10 of Falcon 9 was good. All six ORBCOMM satellites deployed on target.
- Warren Holstein** @WarrenHolstein · Jul 13
Don't take it personally. I don't respect anyone in the morning.
- Master of Sarcasm** @tmasterofsarcasm · Jul 11
That awkward moment when you spell a word so wrong that even auto-correct is like 'I got nothing, man.'
- warrenrichards** @warhorse76 · Jul 21
We're so preoccupied with the dead coming back to life that we forget to acknowledge the alive that act like they're dead. Living Zombies.
- Best Darth Vader** @mdarthvaderm · 21m
Come to the Death Star, we have free Wi-Fi
- Cundalini** @Cunda22 · 1h
The pizza made me do it.
- Linda in Disguise** @LindaInDisguise · 3h
If I ever do get discovered, it will probably be for picking my nose.
- Ham on Wry** @HeyZeus666 · 8h
There is a time for yoga and contemplation

And there is a time for tequila.

- Neil deGrasse Tyson** @neiltyson · Jul 25
If @Comic_Con people ruled the world, the future would be invented daily & warfare would be bar-fights with toy light-sabers.
- Julie Snark** @JulieSnark · Jul 25
There are days where the regular swear words don't cut it. We need more options.
- Deep Fried Man** @DeepFriedMan · Jul 23
Human beings like to declare war on things. There has been a war on drugs and a war on poverty. So when are we going to start a war on war?
- Gus Silber** @gussilber · Jul 22
I heard "coffeeshop" used as a verb today. "Let's coffeeshop that problem." I like it, because coffee can solve anything.
- Fake** @FakeMe_ · 18h
Your tattoos say a lot about you. That's what you were going for, right?
- Mood Swinger** @TrueTorontoGirl · 19h
How some people make it through the day without wearing a helmet astounds me.
- Jake Vig** @Jake_Vig · 22h
Thor, sitting on the edge of his bed, brushing his hair 100 times every night.
- Mike Primavera** @primawesome · Jul 28
The Internet: Helping stupid people out themselves since 1989
- QT3.14159265359** @Ohaiqtpie · Jul 27
Sorry, I can't. I have four seasons of a tv show I need to watch.
- Chester Missing** @chestermissing · 15h
South Africa is so capitalist even our most dedicated communists drive Porsches and Mercedes.

techsmart's Horoscope

TechSmart's astrologer, Merlin (Badmotorfinger) Mendacium, predicts the month ahead.



LEO

Everything is in its right place for your birthday cycle Mr. Leo, and you will experience peace, love and unity. There will be tears of joy as you realise you've reached home and it's the end of struggle.

VIRGO

In the one ear and out the other. Why do you even bother with your horoscope Virgo, if all you do is forget it after five minutes?

LIBRA

The crazy Weird Al Yankovic called his latest album (that peaked at no. 1 in the States) *Mandatory Fun*. Not that the stars are giving orders, but you are forced this month to make fun mandatory.

SCORPIO

Did you know that between 1918-20, the Spanish Flu pandemic killed between 20-100 million people? That's 2.5%-5% of the global population back then. But don't let those figures raise your concern about the recent spate of Ebola deaths. They have it all under control...

SAGITTARIUS

In your star chart for August there are small little squares. As it becomes clearer these squares each contain a letter. Oh, and they are strangely surrounded by crumbs, filth and gunk. Yes, it's time to clean your keyboard.

CAPRICORN

Wolverine is set to join Superman and Archie in Death Valley, as the soon to be released four part *Death of Wolverine* comic sees Logan shuffle off this mortal coil. Use this August to ponder your own mortality Capricorn.

AQUARIUS

Led Zeppelin will soon be rereleasing the seminal *Led Zeppelin IV* and *Houses of the Holy* remastered. There might just be some old projects you might have written off that weren't too bad either. Take heart and build on them.

PISCES

Han Solo once claimed that the Millennium Falcon made the Kessel Run in less than twelve parsecs. This smuggling route is actually eighteen parsecs long (it's a unit of distance, not time as many believe), and he did so by travelling closer to a black hole, cutting some of the distance. See, fortune favours the brave, so don't err on the side of caution this month Mr. Fish.

ARIES

Due to an unprotected strike taking place in the Alpha Centauri star system, there will be no horoscope for you this month.

TAURUS

In the film *Horns*, Daniel Radcliffe's character grows a pair of horns. I'm not saying you don't have star potential, but that recent growth is not going to land you a movie deal and you better get it checked out.

GEMINI

This month, prepare for calamity as your browsing history is set to inexplicably become available for all to see. Luckily you'll soon find out that millions of other Gemini's have similar dirty browsing habits.

CANCER

It was recently reported that the deputy prime minister of Turkey, Bülent Arinc, said that women should not laugh loudly in public. Mr. Crab, it is your task this month to uncover the horrible disease that makes this poor man say such deluded things. Get on it now! **ts**

AUGUST 2014

Connected Home

for Your Family

VISIT OUR FACEBOOK PAGE

TO WIN
WEEKLY PRIZES

Phoenix Distribution ZA



Watch TV, surf the Internet, download music, and share memories across your TRENDnet digital network.



TEW-812DRU
AC1750 Dual Band Wireless Router
Designed to produce the ultimate wireless experience in a busy connected home, TRENDnet's AC1750 Dual Band Wireless Router creates two concurrent wireless networks—a 1.3 Gigabit Wireless AC network and a 450 Mbps Wireless N network to connect common wireless devices.



TN-200
2-Bay NAS Media Server Enclosure
TRENDnet's 2-Bay NAS Media Server Enclosure is the entertainment and storage hub of a digital network. DLNA[®] certified Smart TVs, media players, and game consoles can automatically find and play multiple HD videos and music simultaneously.

available at your closest



TRENDnet[®]

0861 7453 649

www.phoenixdistribution.co.za

sales@phoenixdistribution.co.za

EVETECH.CO.ZA

EVETECH PCs ARE EXCLUSIVELY POWERED BY **SanDisk**



THE SA'S MOST AWARDED SYSTEM BUILDER!



Powered by **SanDisk**
128GB SSD
Solid State Drive Included



Customize & Buy Online!

R8,999 Inc. VAT

i5 GTX 750 PRO Gamer

- Intel Core i5 4590 4x Core CPU
- MSI LGA1150 USB3.0 MB
- MSI GTX 750 1GB OVERCLOCKED
- 8GB 1866MHz RAM & 500W PSU
- **SanDisk** ULTRA-FAST 128GB SSD



Powered by **SanDisk**
256GB SSD
Solid State Drive Included



Customize & Buy Online!

R12,999 Inc. VAT

i7 GTX 760 Gaming PC

- Intel Core i7 4790 8x Core CPU
- MSI LGA1150 USB3.0 MB
- MSI GTX 760 2GB 256bit OC
- 8GB 1866MHz RAM & 500W PSU
- **SanDisk** ULTRA-FAST 256GB SSD



BUY FROM THE SA'S BEST!

PERFORMANCE

With Evetech PCs you will get that kind of performance you expect for the price paid, performance that you lust for and deserve!

TESTING

We subject each and every system that we build to a rigorous testing process & check that the system performs at the highest levels.

OVERCLOCKING

Not surprisingly, there are not many companies who will provide overclocked computers, leave alone cover them with warranty.

Evetech PCs are exclusively powered by SANDISK SSDs
The World's Best Selling & Most Award Winning
Solid State Drives (SSD) Manufacturer.

SanDisk

STORE YOUR WORLD IN OURS™



EVETECH

YOU DREAM IT. WE BUILD IT.

We Deliver Nationwide

Tel: 010 786 0044
Tel: 012 653 0033
Cell: 079 466 6636

www.evetech.co.za
sales@evetech.co.za



MSI GAMING LAPTOPS



MSI GT70 Dominator Pro Laptop



FREE

intel
inside
CORE i7

NVIDIA
GEFORCE
GTX

2
YEAR
warranty

FREE DELIVERY

Windows 8

Core i7 4700HQ 3.4Ghz,
8GB RAM, 17.3" FULL HD,
1TB HDD, GTX 880M 8GB

24,999
INCLUDING VAT

8GB DDR3 RAM

1TB Hard Drive

8GB Graphics Card

MSI GE70 Apache Pro i7 Laptop



2
YEAR
warranty

intel
inside
CORE i7

NVIDIA
GEFORCE
GTX

FREE

MSI GAMING
NOTEBOOK
BACKPACK

Windows 8

FREE DELIVERY

Core i7 4700HQ 3.4Ghz,
16GB RAM, 128GB SSD,
1TB HDD, GTX 860M 2GB

20,499
INCLUDING VAT

16GB DDR3 RAM

1TB Hard Drive

2GB Graphics Card

GX70 Destroyer Gaming Laptop



2
YEAR
warranty

AMD
A10
ELITE QUAD-CORE

AMD
RADEON
R9 SERIES

FREE

MSI GAMING
NOTEBOOK
BACKPACK

Windows 8

FREE DELIVERY

AMD A10 Quad Core CPU,
16GB RAM, 128GB SSD,
1TB HDD, R9 290XM 2GB

19,499
INCLUDING VAT

16GB DDR3 RAM

1TB Hard Drive

2GB Graphics Card

MSI GE70 Apache Pro i7 Laptop



2
YEAR
warranty

intel
inside
CORE i7

NVIDIA
GEFORCE
GTX

FREE

MSI GAMING
NOTEBOOK
BACKPACK

Windows 8

FREE DELIVERY

Core i7 4700HQ 3.4Ghz,
8GB RAM, 1920x1080,
1TB HDD, GTX 860M 2GB

17,999
INCLUDING VAT

8GB DDR3 RAM

1TB Hard Drive

2GB Graphics Card

MSI GE70 Apache 17.3" i7 Laptop



2
YEAR
warranty

intel
inside
CORE i7

NVIDIA
GEFORCE
GTX

FREE

MSI GAMING
NOTEBOOK
BACKPACK

Windows 8

FREE DELIVERY

Core i7 4700HQ 3.4Ghz,
8GB RAM, 1920x1080,
1TB HDD, GTX 850M 2GB

16,999
INCLUDING VAT

8GB DDR3 RAM

1TB Hard Drive

2GB Graphics Card

GX60 Destroyer Gaming Laptop



2
YEAR
warranty

AMD
A10
ELITE QUAD-CORE

AMD
RADEON
R9 SERIES

FREE

MSI GAMING
NOTEBOOK
BACKPACK

Windows 8

FREE DELIVERY

AMD A10 Quad Core CPU,
8GB RAM, 1920x1080,
1TB HDD, R9 290XM 2GB

15,499
INCLUDING VAT

8GB DDR3 RAM

1TB Hard Drive

2GB Graphics Card

MSI GE70 Apache LE i5 Laptop



2
YEAR
warranty

intel
inside
CORE i5

NVIDIA
GEFORCE
GTX

FREE

MSI GAMING
NOTEBOOK
BACKPACK

Windows 8

FREE DELIVERY

Core i5 4210H 2.9Ghz,
8GB RAM, 1920x1080,
1TB HDD, GTX 850M 2GB

13,499
INCLUDING VAT

8GB DDR3 RAM

1TB Hard Drive

2GB Graphics Card

MSI GP70 17.3 Core i5 Laptop



2
YEAR
warranty

intel
inside
CORE i5

NVIDIA
GEFORCE
GTX

FREE

MSI GAMING
NOTEBOOK
BACKPACK

Windows 8

FREE DELIVERY

Core i5 4200H 3.4Ghz,
8GB RAM, 1920x1080,
1TB HDD, GTX 840M 2GB

12,999
INCLUDING VAT

8GB DDR3 RAM

1TB Hard Drive

2GB Graphics Card

MSI CR61 15.6" Core i5 Laptop



intel
inside
CORE i5

1 YEAR
warranty
PREMIUM QUALITY

Core i5 4200M 3.10Ghz,
4GB RAM, Windows 8.1,
1TB HDD, DVD-Rw

6,999
INCLUDING VAT

4GB DDR3 RAM

1TB Hard Drive

3.1GHz Quad Core CPU

For Updated Prices Please Call or Visit Website - ALL Prices Include 14% V.A.T



EVETECH

YOU DREAM IT. WE BUILD IT.

We Deliver
Nationwide

Tel: 010 786 0044
Tel: 012 653 0033
Cell: 079 466 6636

www.evetechnology.co.za
sales@evetechnology.co.za



086 100 5855

Superb Uniwell Systems
555 Mitchell Street
(555 Charlotte Maxeke)
Pretoria West 0183
South Africa
Tel: 012 327 5855
Fax: 012 327 6275
sales@superb.co.za
www.superb.co.za






Pole Display


Finger Print Reader


Tablet (Android)


Cash Drawer


Scale


Bar Code Printer


Printer


Stock Take Scanner


Scanner


Keyboard


www.superb.co.za

Dealers Countrywide

Franchise/Dealer Opportunity Available

- CASH REGISTERS - PC POINT OF SALE - SCANNING -
- TOUCH SCREEN - NETWORKING - SCALES - BAR CODING -

- CASH DRAWERS - SCANNERS - POLE DISPLAY -
- POS PRINTERS - RIBBONS - RENTALS -
- REPAIRS TO ALL MAKES OF CASH REGISTERS -



sales@superb.co.za info@superb.co.za

DEDICATED TO POS

- Focus specifically on the Hospitality, Retail & ...Catering
- Global distribution and support network
- Software development for PoS, Back Office & Head Office
- Systems integration with option of embedded or PC based systems
- Range of PoS terminals to suit various styles of operation & budgets

IMPORTER & DISTRIBUTOR

Refurbished PC

DELL

HP

IBM ThinkCentre

IBM Lenovo SFF Desktop ...a 983
Dell Optiplex Gx520 ...a1395
HP DC7700 SFF ...a1375
HP Compaq Laptop ...a1994

Stock Photo only, your model may vary

EXCL VAT

A versatile way to use Software

- Total Stock
- Total Control
- Graphical Point of Sale
- Room Reservations
- Quick Search
- Intuitive Flexible Friendly User Interface
- Automatic Creation of Buttons (Department, PLU, etc)
- Robust Databases & Reporting
- Customization of Colours, Buttons etc
- Promotions e.g. Bucket Sale (Buy One Get One Free 1 for 2) etc.
- Multi-User/Multi-Company/Multi-Site
- Allow use of Raffle and Points for Loyalty
- And more...



smartPOS

PC Back Office

Irc (Max 31) Link to PC

Bar Code Printer

* Supermarkets * Bottle Stores
* Butchery * Convenient Stores * etc



Bringing you the fastest internet you've ever seen.

The Huawei B593 LTE Wi-Fi router will work on all networks in South Africa. This router will deliver phenomenal speeds dependant on the LTE network coverage available and will also support all previous high speed data technologies to ensure the up to 32 Wi-Fi connected devices, in addition to LAN connected devices, have the best possible data experience



Also Includes



2x YA-0828-02SMA7M
11db LTE / 3G / 4G Yagi Antenna with 7m cable



2x LP-24-01-02
SMA Type Lightning Protector

Huawei B593 LTE Router

High Level Features

- LTE Cat 3:100/50Mbps @ 20M BW
- DC-HSPA+/HSPA/UMTS/EDGE/GPRS/GSM
- Receive Diversity, Data service, LTE DL 2x2 MIMO

High Level Product Specs

- Frequency: LTE DD800/900/1800/2100/2600MHZ
- UMTS 900/2100MHZ
- GSM 850/900/1800/1900MHZ
- Wi-Fi: 802.11b/g/n
- Up to 32 simultaneous users/devices
- Connects up to 4 LAN Connections
- 2 telephone line ports

R3695

COMBO PRICE INCLUDES VAT

PRESTIGIO MULTIRUNNER 710X

As recording one's extreme sports antics grows in popularity, a value for money action cam will slowly become a necessity for many entry-level users. Luckily, that's where the Multirunner 710x from Prestigio comes in, with its wallet friendly R2 850 price tag. Even though it's one of the lesser priced action cams available, it still delivers a solid recording performance in full HD 1080p quality.

Measuring a mere 95 mm long and weighing in at 130 g, the 710x is well sized and will not impede users' movement during use. Although lacking a dedicated on-device screen to view recorded video, Prestigio has integrated a laser pointer to assist in initial setup. Added to this is a waterproof construction for up to 10 m underwater use, HDMI out port and 1.5 hours of battery life. It also features 32 MB of internal memory and microSD slot for expandable storage, all of which is well suited for novice action cam users.



The Prestigio Multirunner 710x is available locally from www.divetek.co.za **ts**



Call us now on 011 791 1033 or visit our website at: www.otto.co.za
Connect with us at: [Facebook](https://www.facebook.com/otto.wireless) [Twitter](https://www.twitter.com/otto.wireless) wireless@otto.co.za



Visit dashcamera.co.za
Techsmart subscribers get 10% discount on all models
Coupon code: techsmart

Capture your journey... **NEW!**

Capture the unexpected..

Full HD Dash Camera

- ✓ Safe & secure online shopping
- ✓ Free delivery
- ✓ Easy DIY installation
- ✓ Plug-and-Play

Your travel companion
and incident witness.

Vico-Marcus 3



- ▶ 160° Super wide view angle
- ▶ F/2.2, 6G Megapixel lens
- ▶ **EXTREME** HD Recording (1296p @ 30FPS)
- ▶ Hi Speed Recording(1080p @ 60FPS)
- ▶ 2.0" TFT LCD Display
- ▶ Built-in WDR and 3DNR image process
- ▶ Compatible with 52mm CPL filter
- ▶ GPS bracket (optional)

NEW!

Vico-WF1



- ▶ 160° Super wide view angle
- ▶ Built-in Wi-Fi
- ▶ Email Emergency Alert through cloud service
- ▶ WDR + 3D Noise Reduction
- ▶ F/2.2, 6G Megapixel lens
- ▶ Full HD recording (1080p @ 30FPS)
- ▶ Free APP for live preview, playback & settings

Highway | By-way | City Life | Wild Life

ElectronicsFG

ElectronicsFG is a retail store located in Faerie Glen Pretoria. We stock a large range of electronic components, kits, electronic instruments and gadgets. We cater to the needs of electronic engineers, technicians, electronic hobbyists, and students as well as school children.

ARDUINO® STARTER KIT R1791.10



Projects you can make:

- 01 GET TO KNOW YOUR TOOLS: an introduction to the concepts you'll need to use this kit
- 02 SPACESHIP INTERFACE: design the control panel for your starship
- 03 LOVE-O-METER: measure how hot-blooded you are
- 04 COLOUR MIXING LAMP: produce any colour with a lamp that uses light as an input
- 05 MOOD CUE: clue people in to how you're doing
- 06 LIGHT THEREMIN: create a musical instrument you play by waving your hands
- 07 KEYBOARD INSTRUMENT: play music and make some noise with this keyboard
- 08 DIGITAL HOURGLASS: a light-up hourglass that can stop you from working too much
- 09 MOTORIZED PINWHEEL: a coloured wheel that will make your head spin
- 10 ZOETROPE: create a mechanical animation you can play forward or backward
- 11 CRYSTAL BALL: a mystical tour to answer all your tough questions
- 12 KNOCK LOCK: tap out the secret code to open the door
- 13 TOUCHY-FEEL LAMP: a lamp that responds to your touch
- 14 TWEAK THE ARDUINO LOGO: control your personal computer from your Arduino
- 15 HACKING BUTTONS: create a master control for all your devices!

This kit walks you through the basics of Arduino and electronics in a hands-on way. You will be able to build 15 projects using components that let you control the physical world through different kinds of sensors and actuators.

The kit includes: 1 x Arduino Projects Book (170 pages); 1 x Arduino UNO rev.3; 1 x USB cable; 1 x breadboard; 1 x wood base; 1 x 9 V battery snap; 70 x hard cable; 2 x flexible cable; 6 x photoresistor; 3 x trimmer d10 kohm; 10 x push button; 1 x temperature sensor; 1 x tilt sensor; 1 x LCD (16x2i); 1 x LED (white); 1 x LED (RGB); 8 x LED (red); 8 x LED (green); 8 x LED (yellow); 3 x LED (blue); 1 x CC motor 6/9 V; 1 x servomotor; 1 x piezo; 1 x H bridge; 2 x photocoupler; 5 x BC547; 2 x IRF520; 5 x 100 nF capacitor; 3 x 100 µF capacitor; 5 x 100 pF capacitor; 5 x 1N4007 diode; 3 x transparent jelly (rosso, verde, blu); 1 x male strip connector (40x1); 20 x 220 ohm resistor; 5 x 560 ohm resistor; 5 x 1 kohm resistor; 5 x 4.7 kohm resistor; 10 x 10 kohm resistor; 5 x 1 Mohm resistor; 5 x 10 Mohm resistor.

Atterbury Boulevard Shopping Centre, cnr Atterbury and Manitoba street, (Opposite KFC), Faerie Glen, Pretoria East | Tel: 012-3488-492 | Fax: 012-3488-497

General Queries: Contact us by telephone or email, if you require more information:
Email: electronicsfg@telkomsa.net | www.electronicsfg.co.za | E&OE | While stocks last

GAMING'S MOBILE GEMS

Winter may be a slow season for big-name titles on consoles and PC, but that doesn't mean gaming has to come to a halt, as mobile titles have ably picked up the slack.

PS Vita: Lighten up

While few if any major titles have come out for the PS Vita exclusively of late, that is not to say there is nothing new and worthwhile to play on Sony's handheld console. Most recently, the poetically beautiful and dare we say unmissable, *Child of Light*, illuminated its way onto the Vita store. While it may not support cross-buy, it's well worth your money nonetheless.

Also making a fresh appearance is the remastered PS Vita version of an old classic – the *Ratchet and Clank* trilogy, which actually fares even better, we found, on the portable console than it does on the PS3. If you've already purchased the PS3 version, then the Vita edition is free.

Newly winging its way to the portable (as well as the PS3) is the beautiful and enticing dual-stick title *Entwined*, which tells the story of two unlikely lovers (a fish and a bird) who traverse their various lifetimes together in search of ultimate union.



iOS and Android: It's a kind of magic

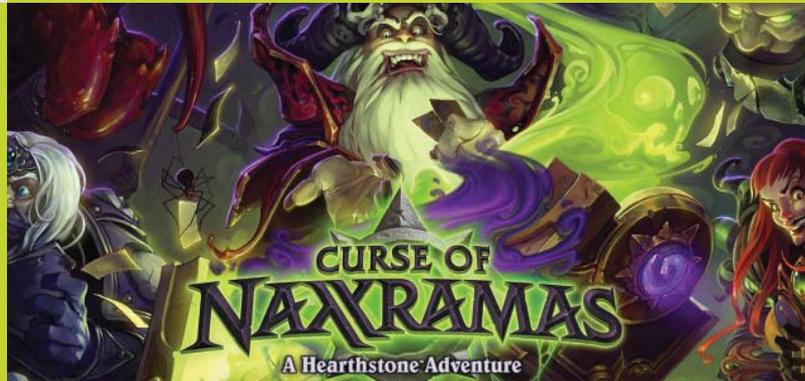
For those gamers who get their mobile fix on their iOS or Android tablet, there have been plenty of reasons to check the app store the past month.

For starters, the card-based combat game worth watching out for on either iOS or Android devices is *Magic 2015: Duels of the Planeswalkers*, which, for the first time on mobile platforms, enables players to build their own decks. It's free, although like so many mobile titles, has in-app purchases, for those who are prepared to part with some cash for more powerful cards.

Apple of my eye

Another highly popular card combat game, *Hearthstone: Heroes of Warcraft* received a solid update, bringing the *Curse of Naxxramas* adventure to the fore. Alas, it is iOS only for now, although an Android version has been promised for later this year. There are some prerequisites – the new single-player addition can either be unlocked with in-game gold or real money and can only be accessed by players who have unlocked all nine heroes.

Then also on the iOS platform there is *Dream Revenant (R25)*, which sees you navigating the dreamscape of your subconscious mind on your deathbed, to unravel the mysteries of your past.



Fortune favours the bold

Android, meanwhile, received *Leo's Fortune (R60)*; an exceedingly charming platforming action game that tasks players with recovering their stolen fortune, all while discovering which of puffball Leo's dastardly family made off with his loot. Beautifully hand drawn, wonderfully atmospheric, and engaging throughout, *Leo's Fortune* is well worth adding to your shopping list.

If anything the past couple of months have proven that even during the slow season doesn't mean the gaming fun has to hibernate. Additionally, the solid mobile titles give players a chance to breathe and brace their budgets before the flood of tasty, heavy hitters head to the consoles and PC in the months ahead. [RN] **ts**

DESTINY

BETA

With a beta lasting a little over week, FPS fans got the chance to try their hand at Bungie's all new interstellar shooter, *Destiny*. Armed with a strong storyline, beautiful environments and immersive gameplay, the house that Master Chief built could have another winner in its midst.



Creating visually stunning worlds that pit humanity against an impending alien annihilation is a formula that Bungie is all too familiar with, having had tremendous success with its Halo franchise. Now the game developer is using its skills for an all new first-person shooter, *Destiny*.

Star gazing

The backdrop to this beautifully rendered game centres around the arrival of the Traveller, an orb-like being that imparts unique powers and technologies to its followers. Added to the mix is the ominously named antagonist, the Darkness. Both of these ancient entities use our solar system as the final battleground to decide the fate of all existence.

That's where gamers step in, assuming the role of the Guardians, an elite group of warriors joining the fight on behalf of the Traveller. To start with users will be prompted to design their own Guardian character, with the ability to choose between three different races and fighting classes respectively. The races in question are Human, the Woken and Exo, although none have a distinct advantage over the other, apart from looks.

Choose wisely

Rather, careful consideration must be given to your chosen Guardian class, with the first being Hunter, best suited to those who favour guerrilla-style warfare and sniper attacks. Up next is the Warlock class, who use the Traveller's energy as a weapon, and lastly the Titan class, which makes use of large artillery as well as being heavily armoured themselves.

FROM INITIAL IMPRESSIONS, DESTINY LOOKS PRIMED TO KEEP BUNGIE'S TRADITION OF SOLID STORYTELLING AND COMPELLING ENVIRONMENTS WELL ALIVE.

Although solid in single player story mode, *Destiny*'s strongest aspect is co-operative multiplayer gaming, with players being able to form Fire teams to take on specific challenge maps. As each Guardian class is attributed with specific strengths and weaknesses, getting the balance of your team right to fit the objectives of a mission will ultimately determine your success. The gameplay controls in *Destiny* are fairly intuitive and easy to manage, which lends itself well to the speed of play required for an online multiplayer. The one issue we did find however, was the inability to cycle through multiple weapons in-game, instead having to enter the pause menu to select new weapons.

Great potential

From initial impressions, *Destiny* looks primed to keep Bungie's tradition of solid storytelling and compelling environments well alive. The attention to detail in every aspect of the dystopian wasteland was eerily brilliant and well complemented by the vastness of the environment to help it feel like a true intergalactic voyage. When you factor in the strong gameplay and well designed warrior classes, all indications point toward what could very well be the game of the year when it releases on 9 September. [RLC]

RRP: R700 for PS3, Xbox 360 and R840 for PS4 and Xbox One. **ts**



PIPPA TSHABALALA ON DIVERSITY

Picture: Adriaan Louw from we-are-awesome.com

PIPPA IS TIRED OF THE STUBBLY WHITE ANTI-HERO AND BELIEVES IT'S TIME FOR DIVERSITY.

The topic of diversity in video games has raised its head yet again, this time in a local context. I'm not going to go into great detail, suffice to say that a local writer wrote a review about the lack of diversity (read women, characters of colour) in *Sniper Elite 3* (bit.ly/se3mweb). Debate erupted on Twitter (and of course in the comments section), and while amusing on some levels, on others it raised a very relevant concern as to the nature of diversity in videogames.

As for the accuracy of this debate, for this column's purposes it isn't really relevant. Sure, many games that deal with historical subject matter supposedly try to be as accurate as possible, but let's be honest, we all know that liberties are taken, for whatever reason. But, since this is first and foremost a game designed to entertain, would it really be an issue to diversify slightly in order to include and attract additional gamer groups?

ANY PERSON REGARDLESS OF RACE, GENDER OR SEXUAL ORIENTATION HAS AS MUCH RIGHT AS THE 'NORM' OF THE HETEROSEXUAL WHITE MALE TO GARNER REPRESENTATION.

I suppose the real question is whether or not as an industry we still feel that the norm is the white male? Research shows that in the United States (at least from a gender perspective) this is not in fact the case, however from a journalistic perspective, in my experience at least, there are still no more than a handful of women at any PR event (PR reps excluded here). Does it bother me? Yes of course it does.

At a recent industry showcase, I physically cringed when the international female PR representative made some comment about "games women enjoy" or "games you can get your girlfriend involved in" (which inevitably are dancing games of the type that are marketed equally at pre-teens). Of course women couldn't possibly be interested in FPS or racing games. But if this is what the marketing arm of the gaming industry pushes as the standard, is it really any surprise that this is what we, as journalists, accept as the normative viewpoint?

Does it make this right? No of course not. Any person regardless of race, gender or sexual orientation has as much right as the 'norm' of the heterosexual white male, to garner representation in any context. However, sometimes this just doesn't happen. Is there a malicious intent to exclude us? I highly doubt it, but for many developers it just doesn't occur to do so.

A prime example of this is the furore caused over the lack of female assassins in *Assassins Creed: Unity*. The developers' excuse was that it was simply too much work to add additional animations and models to the game to include a female character. While this raises obvious and longstanding issues within the industry, we should also be asking, "Where are the Black protagonists? The Asian protagonists? The Muslims? Indians?" You can think that I'm being argumentative, but I'm not the only one who is tired of the uninspired, stubbly, white male anti-hero. We need more. And we all need representation. **ts**



PLANE INSANITY

**RECENT EVENTS
DO NOT
INSPIRE FAITH IN
AVIATION**

WRITES DEEP FRIED MAN.

W I'm not a very phobic person. I don't see the point of being afraid of spiders or snakes while living in a city where by far the biggest threat to my survival is other human beings. While I have no tattoos and do not drive a motorbike (not because I'm scared, I promise, it's because I'm intelligent), I like to think of myself as a pretty hardcore mother****er.

I will, however, come out and admit that I'm a bit scared of air travel. And now, as if my usual fear of the plane coming crashing down to earth is not enough, I now have to fear the plane getting shot down over Ukraine or, worse yet, simply disappearing into thin air. Recent events do not inspire faith in air travel.

I would argue that this is a rational fear. I have heard all the propaganda from the pro-plane lobby about how it's the safest form of transportation, about how you're way more likely to die in a car crash or die of scurvy while trying to traverse the globe at sea. None of this rids me of the deep-seated conviction that an object of over 100 000 kg has no business flying around the skies like it thinks it's a sparrow.

I also am not someone who will just blindly accept the rules of air travel. Tell me that I'm

only allowed liquids under 100 ml and I will burn with rage. I do not want to throw my deodorant away because of Al-Qaeda. A quick glance through my CV should be enough to convince the most paranoid intelligence agent that I'm not a terrorist. And why does this only take place on international flights when 9/11 took place on a domestic flight? Why are we not allowed to bring sharp objects on board when everyone knows that any well-trained terrorist could hijack a plane using the knife they give you to eat your dinner with!

Airlines charge you a fortune and boss you around when you get there. Even domestically, there's the airline who won't let you on unless you have the credit card with which the booking was made, and the airline that hands me a R350 bill each way for the luxury of bringing my guitar along.

Add to that the fact that you are forced to sit, in a confined space through which no fresh air can be allowed to travel, with people hocking their lungs out as if they're in the final stages of Ebola, and you have yourself one severely troublesome form of transport. The potential to disappear is the final straw.

**AN OBJECT OF OVER 100 000 KG
HAS NO BUSINESS FLYING
AROUND THE SKIES LIKE IT
THINKS IT'S A SPARROW**

I'm not a superstitious person, nor a religious one, but maybe the real reason for recent events is that God is offended by our arrogance. 'I gave birds the ability to fly but tiny little useless birdy brains. I gave you massive intellectual capabilities but no wings and what do you do? Go ahead and learn to fly anyway. That's just greedy'. I'm pretty sure that's God's opinion. I'm not sure that I disagree.

There is talk that I may go to London for work early next year. I better start walking now. **ts**

Intelligence takes many forms



WAVE



Android 4.2 / Dual Core / Phone / Camera
Video Player / GPS / Voice Memos / Supports SIM Card
SMS / Email / Youtube / Facebook
Twitter / Whatsapp / WeChat

X2



Android 4.2
Quad - Core,
5 inch IPS Screen -
854*480 FWVGA
Bluetooth 3.0
Dual Sim
Storage: 4GB, Memory:
512MB
Camera: 5MP rear -
0.3MP front
Supports up to 32GB -
Micro SD Card

OCEAN



Android 4.2
Dual - Core
3.5 inch Screen -
320 * 480 HVGA
Dual Sim
Bluetooth 3.0
Storage: 512MB +4GB TF
Card
Camera: 0.3MP rear -
0.3MP front
Supports up to 32GB -
Micro SD Card

OCEAN 2



Android 4.2
Dual - Core
4 inch Screen -
800*480 WVGA
Dual Sim
Bluetooth 3.0
4GB
Camera: 0.3MP rear -
0.3MP front
Supports up to 32GB -
Micro SD Card

QF72



Android 4.2.2
Phone Tab, 7 inch
1024 * 600 Screen
Dual-core Cortex-A7, 1.3 GHz
512 DDR / Storage: 8 GB / T-Flash (MAX 32GB)
Dual Sim Cards
FM Radio
Bluetooth 4.0
HDR, Front Camera 0.3MP, Back Camera 2MP

X3 mini



Android 4.2 / Dual - Core
4 inch Screen, 800 * 480 WVGA
Bluetooth 4.0 / Dual Sim
Storage: 4GB, Memory: 512MB
Camera: 2MP rear, 0.3MP front
Supports up to 32GB Micro SD Card



XTOUCH

Born Smart

Siphiwe Tshabalala

0860 XTOUCH



/xtouchsa



@xtouchsa

www.xtouchdevice.com

CABLE SPECIALS

USB Printer cable	2m	R 39	
	3m	R 49	
	5m	R 69	
Stereo cable Male to male	2m	R 20	
	3m	R 29	
	5m	R 49	
Male to female	2m	R 20	
	3m	R 39	
	5m	R 49	
rca	stereo 3.5mm to 2 x RCA	R 29	
	stereo to RCA female	R 20	
UTP CAT5 crossover cable	1m	R 20	
	2m	R 29	
	3m	R 39	
	5m	R 49	
	10m	R 89	
	20m	R 139	
	30m	R 199	
UTP CAT5 straight cable	1m	R 20	
	2m	R 29	
	3m	R 39	
	5m	R 49	
	10m	R 89	
	20m	R 139	
	30m	R 199	
Network cable	CAT5 solid box 305m	R 729	
	CAT6 solid box 305m	R 899	
DVI cable	2m	R 99	
	3m	R 119	
	5m	R 159	
HDMI cable	2m	R 79	
	3m	R 99	
	5m	R 159	
USB extension cable	2m	R 39	
	3m	R 59	
	5m	R 79	
VGA cable Male to male	2m	R 59	
	3m	R 79	
	5m	R 99	
	10m	R 189	
	20m	R 389	
	30m	R 549	
Male to female	2m	R 59	
	5m	R 99	

visit our website

www.matrixwarehouse.co.za or contact **011 869 2613/4** for your nearest branch

acer
explore beyond limits™

Acer recommends Windows.

E TOUCH SMARTER



Aspire | R7



Closer touch. Versatile screen. Amazing sound.

Explore the Aspire R7 with its smart Ezel™ hinge that's designed for touch and type in four innovative ways.

Get in touch with the Aspire R7 at acer.co.za and 

Some features require Windows 8.1. Update available through Windows Store.
Internet access required; fees may apply. Some apps sold separately, vary by market.

