



# The Ndlovu Trumpeter

## Stafix Electric Fence and Security Centres

### WHAT'S NEW IN THIS ISSUE?

- A World First, The JVA Wi-Fi Energizer & Wi-Fi App.
- CP-PLUS Cosmic 4IN 1 HD Cameras
- JVA Solar Energizers
- In-Line Gate Contact
- JVA Remotes
- Mini Combi-Twecker
- Midi-Tweckers
- JVA Ring Insulators

### HIGHLIGHTS OF 2016 NEW BLOEMFONTEIN OUTLET



Bloemfontein branch



Polokwane branch

2016 saw a number of *Stafix Electric Fence and Security* outlets undergo facelifts with Bloemfontein going the whole hog and building an entirely new, very impressive premises. Up north, Polokwane moved

into more spacious premises while a number of other branches also upgraded their shops making them more customer friendly. Coming up, an energizer with a side order of accessories and a dash of tea, coffee or juice.

### GAME SET AND MATCH: MERGER ACCOMPLISHED

While the Aussies seem to have lost the plot when it comes to cricket and the South Africans, when it comes to rugby, an Aussie and a South African certainly put the right game plan together when they merged *Pakton Technologies* and *JVA* into one entity. For years *Pakton Technologies* has been developing product for JVA and JVA have been marketing the range world-wide. So it made sound sense to merge the two into one. In December this year Aussie, Paul Thompson, and South African, Shaun Williamson, sealed the merger. We look forward to this merger producing even more innovative products and enabling JVA distributors world-wide to be market leaders in the competitive world of security electric fencing.



### STAFIX ELECTRIC FENCE AND SECURITY CENTRES

Bloemfontein 051 448 6695/6 • Cape Town 021 534 5056 • Centurion 012 880 0222 • Durban North 031 563 0274/6478 • East London 043 726 6652  
 East Rand (Jet Park) 011 397 3507 • George 044 874 0669 • Kimberley 053 861 5631 • Klerksdorp 018 468 8273 • Nelspruit 013 752 7152 • North Rand (Kya Sand) 011 708 6442  
 Pietermaritzburg 033 342 6727 • Pinetown 031 702 6351 • Polokwane 015 292 6273 • Port Elizabeth 041 365 7178/9 • Potchefstroom 018 297 1488 • Pretoria 012 335 4290  
 Rustenburg 014 537 2884 • Somerset West 021 851 1978 • Upington 054 332 1458 • Vanderbijlpark 016 931 0408 • West Rand (Roodepoort) 011 472 8823

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## JVA LAUNCH THEIR NEW IP ENERGIZER RANGE

**A real game changer in the world of electric fencing**

JVA  
WORLD  
FIRST



JVA is proud to announce the release of their IP Energizer and IP Energizer app.

With a JVA IP energizer controller app you're in control of your fence from anywhere in the world.

Unique to any other kind of fencing system available on the market, the JVA IP Energizers are an all-in-one device, meaning that apart from the energizer, no additional add-ons are required. Just grab your energizer and smartphone and get talking with your fence like never before.

Using the latest in IP technology, the energizers work by sending alerts and updates to your phone through your Wi-Fi network, providing a more convenient and cost-effective alternative to other similar technologies such as GSM which relies on additional ongoing costs for maintenance and use.

This Wi-Fi capability will first be incorporated in the JVA 8, 12, and 16 joule models, but in time will also be built into the smaller models.



## JVA LAUNCH SOLAR POWERED ENERGIZER RANGE

Already a hit in Australia, JVA's new Solar Powered Energizer Range will fill a gap in the SA market.



**JVA 12A Solar Regulator**  
For use on solar panels up to 200W; will operate with four common types of rechargeable batteries; sealed against moisture and ants.

### RSG1 – Rechargeable Strip Grazer

The RSG1 is a portable 0.1 Joule electric fence energizer with a built-in rechargeable battery, suitable for strip grazing and any temporary fence applications up to 1km. The RSG1 is packaged with both a 240V mains power adaptor and a 12V 'cigarette' adaptor to recharge it. It will run for over two weeks between re-charges.



### SV2 – Portable Solar Powered Strip Grazer

The SV2 is a portable, solar powered, 0.2 Joule electric fence energizer suitable to power approximately 2km of fence wire or tape. The SV2 has a high quality crystalline solar panel to ensure that the in-built battery will never run flat when placed in a sunny position.



### SV5 – Solar Powered Electric Fence Energizer

The SV5 is a portable, solar powered, 0.5 Joule electric fence energizer suitable to power approximately 5km of fence wire or tape. The SV2 has a high quality crystalline solar panel to ensure that the in-built battery will never run flat when placed in a sunny position.



## BIGGER IS BETTER – JVA'S NEW MB16

The JVA MB16 Energizer, in a new-styled case, includes an audible warning if there is a serious fault on the fence and JVA's patented Auto-Synch Technology which makes electric fence lines safer than ever.



### Features:

- Up to 22 Stored Joules
- Sleek styling, rugged practical design
- Mains or 12V Battery operation
- Auto-Synch (TM) Technology for safer fences
- LCD shows fence voltage, stored energy and battery voltage
- Power on demand (automatically ramps up power when needed)
- Bi-Polar or conventional output
- Reverse battery protection
- Highly efficient and intelligent digital design
- UV stable enclosure
- O-Ring sealed case for ant and moisture protection
- Designed and manufactured in Australia

### Specifications:

Output	Peak Voltage:	8.8 kV
	Peak Energy:	16 Joules
Size	Height:	250 mm
	Width:	180 mm
	Depth:	136 mm
Weight	Product:	3.1 kg
	Packed:	3.6 kg

# INTRODUCING THE JVA GSM CLOUD ROUTER

## HOW IT WORKS

The cloud router provides a portal to route communications between the administrators and owners of Security Electric Fences and their devices in the field. Devices are linked to the Cloud Router via Nimbus Gateways. GSM, LAN and Wi-Fi Gateways will be available. Administrators 'claim' their Gateways using unique code and from there gather the attached devices to a 'site'. Devices attached to the Gateway can then be monitored and controlled.

### Features

- The GSM Unit can be controlled via the web page using a computer, laptop, or smart phone
- Logging into the site one can arm/disarm any of the units anywhere in the world
- One is able to view the status of one's energizers and monitors that are connected to the GSM
- No complications with SIM cards not working
- Able to monitor fifteen JVA devices
- The unit has two dry contact inputs and two relay outputs
- The status of each JVA Z range unit can be seen at a glance i.e. *Armed status/Fence voltage/Battery voltage/Alarms*
- Setting up is easy; simply tick the boxes
- Notification can be done via e-mail

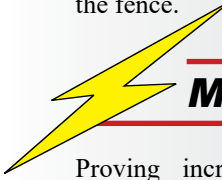


## RING INSULATORS

In addition to our existing range of Square Tube and Wall Mount insulators, 2017 will see the launch of a new Cut-Away Ring Insulator with a one-way flap to prevent wires being easily unhooked from the fence.



Square Tube Mount Ring Wall Mount



## MIDI TWEEKERS

Proving increasingly popular with wall-top installers, the JVA Midi-Tweaker insulator now comes in two options.



## MINI COMBO TWEAKER

The new, reinforced, Mini Combo Tweaker can handle more wire, has had the spring hook arms reinforced and has longer spring grips with clear operating instructions moulded into the plastic.



## KERAN McCAULL RETIRES

Having been associated with *Ndlovu Fencing* from its very inception, Keran McCaull, back then owner of *Stafix NZ*, decided during the course of 2016 to call it a day and has retired to the Gold Coast of Australia. Keran was there when we needed him and he gave us the distribution rights for *Stafix*, something for which we will be eternally grateful. We are also grateful for the sterling service Keran provided us during the following 20 years. While we are sorry to see him move on, we wish him all the best sitting in the Aussie sunshine.



Maurice Williamson & Keran McCaull

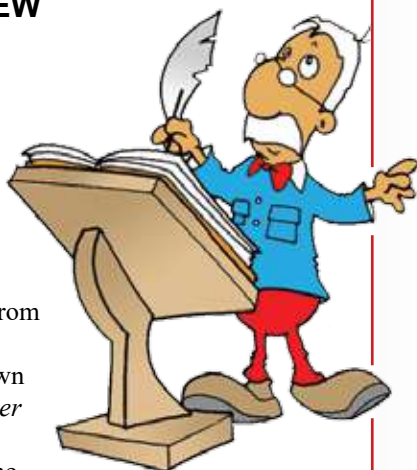
Right: Nick Fowkes, Keran's successor

Far right: Andrew Gaze the new Trutest Global Marketing Manager



## EDITORIAL REVIEW

In March 2016, *Ndlovu Fencing (Pty) Ltd* turned 20. The first *Ndlovu Trumpeter*, Edition 1, published back in 2006, was a cosy little in-house, typed letter to our rather limited customer base. From these humble beginnings *Ndlovu Fencing* has grown and *The Ndlovu Trumpeter* is now circulated to over thirty countries around the world and is read by many more on the internet.



Inevitably, this has led to a change in style with the inclusion of local and international interesting and prestigious installations. To make this letter even more interesting and informative for all, we appeal to you, our distributors, to submit any interesting material you may have to share with us: unusual questions, interesting news, etc. to the editor, Maurice Williamson [ndlovu@stafix.co.za](mailto:ndlovu@stafix.co.za).

## ELECTRIC FENCING Q AND A

### WHAT ARE THE CHANCES OF CONTRACTING CANCER OR MUTATING INTO A SUPER-HERO WHEN WORKING WITH ELECTRIC FENCING?

Warren T, a JVA Malaysian distributor, was asked the following questions by a concerned customer:

1. What is the value of the radiation emitted around electric fence wires by an energizer?
2. What is the value of the magnetic field around the fence wires?
3. Are there accepted safe limits of radiation and magnetic field?
4. Do IEC certification tests include such parameters?

We thank Paul Thompson for his answers and explanations to these unusual questions.

1. Electric fences have been around almost a hundred years and there is no evidence of danger at all from radiation from electric fences. We know that it is the energy in radiation that causes damage. Energy is Power x Time. Power is Voltage x Current. While peak power is high, the average power on the wires is less than 4 Watts. The power in a 230Vac wire in the wall of your house can be as high as 3400Watts. So, if you are concerned about power on your fences, remember that the wires in a house will have almost 1000 times higher average field values than a fence! Since voltage and magnetic fields decay from the source with the cube of the distance once you are 10m away from the fence, the voltage and current fields or radiation is now 1000 times lower than 1m away, which is already 1000 times lower than the wires in your house. (From the Editor: So if you are looking for 'super performance' move your bed closer to a plug point!)
2. The magnetic field comes from the current in the wires and follows the same general rules as above, i.e. the average is very low.
3. We have never been asked this before as no one has ever reported a health issue and we doubt that anyone with knowledge in the area of physiological effects of voltage and magnetic fields has seriously thought it could be an issue.
4. Our energizers have all been tested and passed IEC emission tests. Results are available on request.

Finally, a quote from an Australian Government publication: 'No mechanism by which ELF-EMF's could cause cancer has been identified. Unlike hi-energy (ionizing) radiation, ELF-EMF's are low energy and non-ionizing and cannot damage DNA or cells directly. Studies with animals exposed to ELF-EMF's have not provided any indications that ELF-EMF exposure is associated with cancer.'

Thank you Paul, and thank you Warren T for your unusual questions, and if your customer starts turning green, or starts wearing his underpants outside his trousers, or if his fillings pop out when passing an electric fence, rest assured, the fence is not powered by a JVA or Stafix energizer! All of these have been tested and are certified.

## WHAT ARE JOULES?

What are *Joules* and how do they help when choosing an Electric Fence Energizer? Named after James Prescott Joule (1818-1889), a joule (J) is a measure of electrical energy. In short, it is the strength of the pulse that puts the voltage and current onto your electric fence.

When looking at Electric Fence Energizers it is helpful to compare their Output Joules, though some companies will only quote Stored Joules. So what is the difference? Stored joules is the amount of electrical charge held in the main capacitor before an electric pulse is discharged. This discharge or energy actually transferred to the fence is called the *Output Joules*. Since not all the energy makes it to the fence terminals (some is lost as heat), generally each 1J of stored energy will provide approximately 0.75J of output energy. So for a fair comparison between a *Stored* to *Output J* figure, reduce the Stored figure by multiplying by 3/4.

Some energizer manufacturers make ridiculous claims about amount of fence in km that their energizers can power. Always check the Joules. It is a far better method of comparison.



(from JVA Aus website)

## SANS 10222-3 COC DOCUMENT UPDATED

The latest edition of the SANS regulatory document relating to the installation of electric fences, namely SANS 10222-3 2016 (Edition 5), has now been published and is available from the SABS. Price R485.00 + a delivery charge of R150 or if you attend the *Electric Skills* refresher course you can purchase it through Cliff Cawood and you also receive a free CD with the regulations for all current fencing i.e. Security, Argic and Wild Life.



## SA FIRST CP-PLUS COSMIC 4-IN-1 HD CAMERAS



The new **CP-PLUS COSMIC 4-IN-1 HD** cameras are packed with the latest technology which allows the installer, at the push of a button, to switch between four different output modes!

### Yes, you've read right! 4-IN-1

This means that it doesn't matter if you have a Provision, Hikvision, Dahua, or even a cheap no-name-brand, the new **CP-PLUS COSMIC** will be completely compatible.

And there's more: If you have a normal analogue DVR, you can now replace your cameras without having to replace the DVR with an HD DVR!

#### Features include

- ★ Plug-in and play
- ★ Resolution up to 1080p/720p@25/50 fps
- ★ Real time preview without latency or delays
- ★ Equipped with fine LED's for clearer night vision
- ★ Compatible with HD'S, AHD, HDCVI, CVBS & HDTVI DVR's



## NEW SLIDE ACROSS, IN-LINE GATE CONTACT

Ndlovu Fencing is privileged to add the German designed EPYX Slide-Across, In-Line Series Gate Contact to its security range of gate accessories.

This Slide-Across Type design is an alternative to the already popular Pin type design and has the following features and benefits:

- Large stainless steel contacts
- Multiple mounting positions
- Perfect for gates where the pin type is difficult to fit
- More forgiving to gate movement and gate over-runs
- Can be adapted to be used on swing gates as well
- Tried and tested with over 1000 installed already.



## JVA REMOTES

The **PTE 3001** will arm or disarm any JVA Z series energizer, or alternatively, arm or disarm only a single zone (Z28) via a compact, key chain fob or remote control. Two remote controls are provided with each receiver using a rolling code algorithm.

#### Features include

- Wire to keypad bus (for power) and input
- Two remotes
- Operates between 315 – 433MHz
- 50 – 100 metre range
- Easily connected and configured
- Sliding face cover which protects buttons from inadvertent activation



## JUMBO FLAT BAR INSULATOR

As promised, the **JUMBO FLAT BAR** insulator was launched in 2016. The response has been beyond even our expectations with record numbers being sold worldwide. Tougher and with greater arcing distance than its predecessor, the **JUMBO FLAT BAR** is set to stay.





# OUT and ABOUT

## JVA's MOVERS AND SHAKERS TROTting THE WORLD

2016 Saw our staff and distributors attending more international expos than ever before...



On the Melbourne Security Expo, Australia: Paul Thompson, Paddy O'Brien, Shaun Williamson



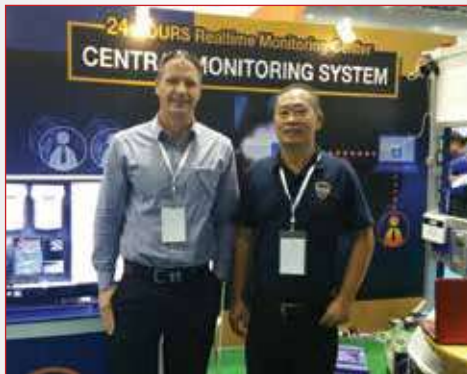
Securex South Africa



On Kenya Security Expo: Ebrahim, Chris Michael, Peter Hays, MD of Instarect



On Dubai Securex Show: D.J., Rehan and Umhar (Pakistan) with Shaun



On Malaysia Securex: Shaun and BT Teoh



On Dubai Securex CP-PLUS was a major player

## INTERNATIONAL VISITS AND VISITORS



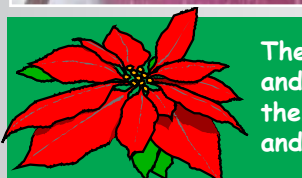
Shaun with Philippines distributors Lian and Bailey



Seen here hosting Amhir from Egypt are Jaco, D.J. and Gavin

## 'TIS THE SEASON TO BE MERRY

STAFF CELEBRATING THE END OF A GOOD YEAR



The Directors of Ndlovu Fencing take this opportunity to thank all our partners, customers and staff for your much valued support and hard work during the past year. Without you there'd be no Stafix Electric Fence Centres. We wish you one and all a joyous festive season and a prosperous New Year.