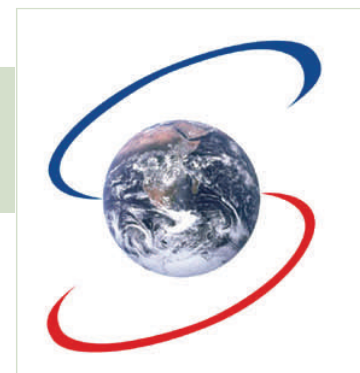


Aviation Safety 2U



406MHz PLB's save Lives "Our customers come back"

A number of Aviation accidents have resulted in the dangers associated with being distracted and not having awareness of other traffic around you. In the Manawatu two accidents within a couple of weeks of each other resulted in two deaths and two injuries, the 5th person walking clear having landed his damaged aircraft.

In the incident where a light aircraft landed in the Ruahine ranges, the Kannad 406MHz ELT activated but the terrain obscured the GEO Stationary satellite and the next two orbiting LEO satellites were too low on the horizon to be seen. As it happened, aircraft still monitoring the 121.5MHz signal picked up the signals and reported them. As a result, the local square Trust Helicopter Rescue service were able to locate the aircraft and their injured occupants.

The message here is that although the older 121.5MHz distress signal

is no longer monitored by the Co-spas-sarsat satellites, commercial aircraft still do monitor the 121.5MHz signal (or should do). All approved 406MHz ELT's and PLB's transmit on 121.5MHz as well as 406MHz. The 121.5 MHz VHF signal transmits a continuous 50mW (minimum) homing signal to allow searching aircraft to "home" in on the signal with a Radio Direction Finder (RDF). The 121.5MHz radio signal is provided as to RDF on the 406MHz signal that only transmits every 50 seconds (albeit at 5 Watts) is very expensive. The RDF equipment to undertake homing on 406MHz is US\$25,000 plus installation costs. There are a few NZ Rescue Helicopters with this 406MHz technology but most use the 121.5MHz Radio signal to RDF

Lloyd Klee was a member of the Joint NZ / Australian standard for 406MHz PLB's and 406MHz EPIRB's (until 2007)



Issue 6

September 2010

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STOP PRESS or OPINIONS /

Australia is now in the grip of potential blackmail and deal making for independent support to allow a Government to Govern. Sounds like MMP where the minority screw the majority so that the majority can govern

Carbon Fibre Torches

If it is good enough for the new Boeing Dream-liner to be made from Carbon Fibre, why not a torch? An American company (see www.inforce-mil.com) has developed these beautifully designed products complete with weapon mount systems. Available in Black or Sand coloured, they range in power output (>200 Lumen) and some have multiple LED's around the bezel (Rim) that will provide Infra Red, UV, Green, Blue lights in

addition to the very bright white light.

We have samples now.
POA



406MHz– *NEW Products* NEW 406MHz INTEGRA



New from **KANNAD** is the **INTEGRA** that has an internal GPS engine and a 406MHz second antenna within the ELT case. A micro-processor detects the failure of the external antenna. For this to be effective, the ELT should be located near a window so that the metal fuselage will not restrict the GPS signal being transmitted. This is a development based upon our own SASD (Secondary Antenna Switching Device). The Integra will transmit the 406MHz signal irrelevant to the external antenna being functional. Stock is due shortly–

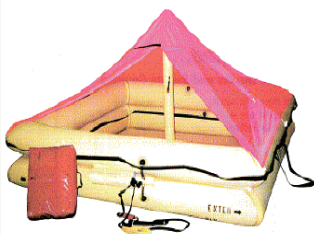
Contact us for details phone 09.4206079



Lifejackets – Baltic Servicing now available

SURVIVAL PRODUCTS

*Life-rafts ex the USA
available for purchase
and hire*



Effective September, we will begin to service the Baltic Range of inflatable lifejackets that are used within the Aviation sector. We offer a fully certified manufacturer approved service with a CAA Form One release certificate.

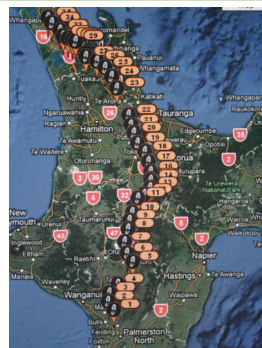
Our standard charge is NZ\$28.00 excluding GST which we believe is price competitive. Freight, replacement lights or repairs etc are an additional cost but the price does include the release certificate



www.findmespot.net.nz

The SPOT 2 meets all our expectations

The new SPOT2 is substantially better than the original SPOT. The picture to the right shows it tracking me driving back from the AIA Conference in Palmerston Nth in July. It worked as it should do. If you need a tracking device for your aircraft that tracks every 10 minutes and does not cost a fortune to operate, then the SPOT2 is an investment



*Top of the line Non TSO
and TSO liferafts*

Collision Avoidance- PCAS

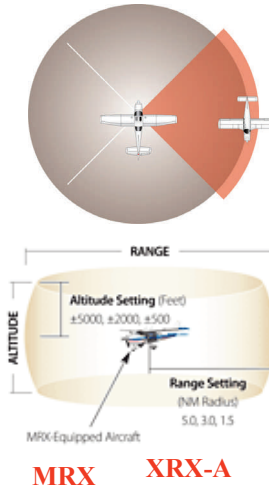
(Mention this newsletter and get a 10% discount until 30/9/2010)

The recent spate of collisions involving training aircraft has been huge in the value of human lives. Zaon USA manufacture two Portable Collision Avoidance Systems that are known as the XRX and MRX respectively. These are low cost units at US\$550.00 and US\$1549 respectively (excluding GST).

Given that it is easy to be distracted in a training environment or to lose awareness of the traffic around

you, both of these PCAS devices provide an audible warning of approaching aircraft. The MRX and XRX will also provide the range & whether the threat aircraft ascending or descending. In addition, the XRX model will also provide the directional quarter.

Those that have fitted these products are always amazed at the amount of traffic that is in existence and all our clients swear by them.



ELT Issues

The strap that wraps around the KANNAD AF Compact IS NOT UV Resistant. We were alerted to a recent issue that the Velcro strap rotted in two years as a result of being directly exposed to the Ultra Violet light so these ELT's should be installed away from direct sunlight or if that is not practical, we are pursuing some covers that will enclose the ELT and the strap.

The ARTEX ELT has an AD requiring them to be checked every 6 months due to G Switch failures. More info via CAA website www.caa.govt.nz



BT100 406MHz Tester

PLB Range, Call for prices- we also hire PLB's from \$10.00 per day

Personal Locator Beacon data GPS & Non GPS Models						
Brand	ACR	ACR	GME	GME	Kannad	Kannad
Model	Rescue Fix	Microfix	MT410	MT410G	XS-ER GPS	XS-4 GPS
Weight grams	345	283	235	250	323	150
Size mm	148 x 58 x 31	149 x 56 x 36	135 x 71 x 38	135 x 71 x 38	146 x 78 x 60	106 x 47 x 34
Battery interval	5 years	5 years	7 years	7 years	5 years	5 years
USE			Tramping / Aviation	Tramping / Aviation	Multipurpose	Tramping / Aviation
GPS Channels	12	12	0	16	12	12
Notes	We do not stock ACR PLB's					



PART 145 Repair Facility for ELT's

**FOR SALE -
Bird wattmeter**



www.aviationsafety.co.nz

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RD2, Helensville
Auckland 0875

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Cell: +64.272806549
Fax: +64.9.4209279
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CHECK OUR WEBSITES.
www.aviationsafety.co.nz
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Aviation Safety Supplies Limited is dedicated to improving the quality of available safety and survival products to the General Aviation Industry within Australasia.

We also supply enhanced Night Vision and laser products for Military and Law Enforcement in addition to Body armour.

QUOTE OF THE QUARTER-

"Change is the law of life. And those who look only to the past or the present are certain to miss the future."

Tell us who said this and go into the draw to win a Winchester Multipurpose knife set valued at \$50.00



**FOR SALE -
Bird wattmeter with
406 and 121.5MHz
Elements Phone us
09.4206079**

TUI Brewery Mangatinoka does have great women- Yeah Right :-)



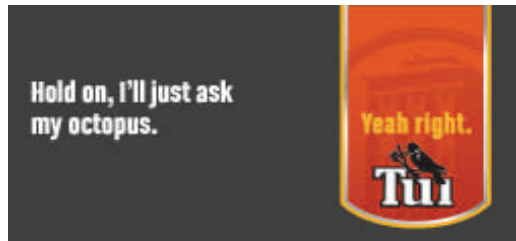
As part of the recent AIA Conference, we were bused to the Tui Brewery at Mangatinoka where we were fed and watered by very pleasant young ladies and those that wanted to be working with them, guys dressed up in frocks !!!

A great evening and great fun.

Well done the AIA for organizing and the fantastic Tui Brewery staff (Ladies and guys) who made a memorable evening. Thank you as well for the free cap and Tee-shirt

"Saving Birds since 1889" :-)

Contact me by email if you want more details about the venue.



Our Property is still for sale-
See new website www.thenest.co.nz



*Our property has not yet sold but we still hope to get a sale by the end of October and we will undertake a new marketing campaign shortly. Quotable Value had not valued our “minor dwelling” currently my office, but they have revised the CV to \$980,000. We will meet the market at \$949,000 for a private sale
The following view is pretty nice from my desk.*



*If you know anyone moving to Auckland we are motivated to sell & the property is great value even
in the current market.*