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VICE PRESIDENT:	Roy Watkins
TREASURER:	Peter Hackett
SECRETARY:	Peter Shrader

# CHANNEL CHATTER



## Austravel Safety Net Inc.

HF Radio Communications Network for Trips, Treks, Tracks & Tours

Registered Office: 23 Ferguson Ave, Northgate Qld. 4013 (ABN 40 741 597 454)

### WHAT'S INSIDE THIS EDITION ?

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#### DISCLAIMER

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## WHAT A YEAR THAT WAS!

**ON BEHALF OF  
THE AUSTRAL MANAGEMENT  
COMMITTEE  
A MERRY CHRISTMAS TO ALL**

**AND THOSE WHO VOLUNTEERED  
MANY HOURS BEHIND THE SCENE  
MAKING THIS CLUB GREAT....  
"THANK YOU"  
SOMEHOW SEEMS INSUFFICIENT!**



Hello to all club members.

Its been a hectic time with the growth of Austravel, planning, installing and commissioning new bases, together with the in-flux of new members and the AGM.

As your incoming new president, along with your new committee members , I wish to open the doors of communications from the members to the committee.

That shouldn't be that difficult since we are a communications club. I personally would like to hear from members with ideas for Austravel as a club or from anyone who would like to know a way to become more involved with any of the activities of the club.

I will feed ideas on your behalf into the committee. You can see from the list of committee members and ex-officio member positions you do not have to be on the committee to have functional input to Austravel operations.

Austravel is for the members and the committee works for the club as a whole. As a club, there can be more to interest you than just getting a license to transmit. At the moment we are looking for a members who may like to be involved with organizing social events and always needing more sked operators.

Kim Rhodes (7880)

President

Yellow highlighted column key - CM means "Committee Member" XOP means "Ex-Officio Position"					
TASK	Key	NAME	SELCALL	EMAIL	PHONE
President & Member Tech Support	CM	Kim Rhodes	7880	telcallplus@austravelsafetynet.org.au	0427983329
Vice President & Sked operations West	CM	Roy Watkins	6001	roy.watkins@bigpond.com	0427000 995
Secretary & IT	CM	Peter Schrader	2513	secretary@austravelsafetynet.org.au	0407407 636
Treasurer	CM	Peter Hackett	5584	beta@vianet.net.au	0417924 754
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Sked coordinator	CM	Geoff Riseley	2748	riverdoglabs@gmail.com	0407132597
Pathways coordinator	CM	John Hall	6014	vk6fjon@gmail.com	0412493866
Social media	XOP	Pim Domen	7255	socialmedia@austravelsafetynet.org.au	0400688001
Club Marketing	XOP	Paul Semple	7847	abraxxas7847@gmail.com	0438771073
Club IT Support	XOP	Andrew Griffin	4053	it@austravelsafetynet.org.au	0438790195
Club Technical Support	XOP	Peter Illmayer	9599	peter@illmayer.com	0409839735
Event coordinator West	XOP	Tom Collis	2714	tomncristina@hotmail.com	0408928279
Event coordinator East	TBA				
Committee Support	XOP	Janette Parkin	0116	janette.ian@bigpond.com	0473115990



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- Order an pay now and save \$10 by purchasing social membership before the 21st. December (2018)  
 - \* **Christmas special price \$20**
- Call Kim Rhodes (0427 983 329) or Geoff Peck (0403 309 020) for details

### A NOTE ABOUT USING THE AUSTRAVEL SCHEDS

Author Geoff Peck (0951)

As an Austravel sched operator I find quite a few travelling members calling in only to be advised by me (the sched operator) that their incoming audio is too low to hear properly. What's frustrating to the caller is that they often can hear the base quite well and assume the base sched operator can hear them at the same level.....*sadly not the case* (all the time).

Consider this - the base is using a HF radio that is set up at it's optimum, that is transmitting at close to 100 watts, battery supply at 12.8 volts (or better) with say 30 or more metres of broadband antenna, eight or more metres off the ground. Now consider the mobile operator where battery voltage, antenna system etc. is likely compromised to a degree, and their signal out likely not as strong and clear as the base they are trying to communicate with.

Without getting into details about mobile HF radio installation and how good or bad they might be, remember to automatically think that the base may not hear you as well as you can hear them and adjust how you use your HF radio from the vehicle. This is especially important if using the H.E.L.P. (4357) emergency call system. Speak slower, repeat your phrases a couple of times, especially when saying your selcall number and location. Raise your voice (but don't shout), think battery voltage and antenna tune...are they correct?



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This years Austravel AGM was held at the Kellerberrin Speedway, with all reports saying that it was a good camping venue with a great meeting space (as evidenced by some of the photos).



AGM attendances are going up and up each year. Nearly 60 attendees at Kellerberrin and some 30 attendees at Casino, with both venues connected via Skype for the more formal meeting session.





Barrett 2050 "How To" videos being progressively added to YouTube.



<https://tinyurl.com/YouTubeAustravel>

CTRL + click above URL



- The "Red Button" isn't mandatory to activate Austravel's H.E.L.P. (4357) call system.
- In fact some older makes/models of HF radio can't be "Red Button" programmed.
- "Selcall" or "GPS send" call to 4357 operates well within the H.E.L.P. (4357) platform.
- Non message capable HF radios won't see confirmation message, but will hear the base \*FSK being sent back!
- \*FSK-Frequency Shift Keying.... Is where digital information is transmitted through discrete frequency changes of a carrier signal.

A note for Barrett 2050 owners.....their are couple of "how to" videos for the Barrett 2050 which have been posted on YouTube. Whilst not all of the up to eight (8) videos are fully completed yet; our Social Media Officer, Pim Domen (7255) is steadily working through the video editing process.

These 2050 videos (along with the Codan NGT already posted) are intended to review how to use your radios with the Telcall+ HF platform.

Also there is a "How To" Austravel (document) manual for the Barrett 2050, availability of which can be requested via the membership officer Geoff Peck .

Contact Geoff on his mobile phone 0403 309 020 or email : [membership@austravelsafetynet.org.au](mailto:membership@austravelsafetynet.org.au)

## H.E.L.P. (4357) IMPORTANT INFO!

The Austravel H.E.L.P. (4357) emergency call activation system is divided between those HF radios where:-

- the red RFDS emergency call button has been re-programmed for the Austravel H.E.L.P. (4357) system - typically Codan 9323, NGT & Envoy
- and other HF radio makes and models where the red button physically exists, but can't be modified / re-programmed. (radio too old or software can't be modified)

This article is for those radios where the red button has not been programmed yet or **can't be re-programmed.**

If members are unsure about their specific radio brand/model; in regards to red button abilities for the Austravel network, request the "is my radio suitable" document by emailing either the president Kim Rhodes ([president@austravelsafetynet.org.au](mailto:president@austravelsafetynet.org.au)) or the membership officer Geoff Peck ([membership@austravelsafetynet.org.au](mailto:membership@austravelsafetynet.org.au))

Any selcall capable HF radio that has been profiled to the Austravel network, will be able to activate the H.E.L.P. (4357) system, using the standard selcall method. The "red button" is a good feature to have, but not mandatory to summon help from an Austravel emergency responder.

Using the standard selcall method, ensure that you:-

- first turn the MUTE to off and volume up so you can hear low incoming signals better
- target a base and channel by first sending a "beacon call" to any Austravel base (e.g. Perth 6199, Casino 2199 etc.), establishing the ideal base and channel/frequency in which to send your 4357 selcall.
- once the strongest beacon call revertive has been established ....then "selcall" or "GPS send" call using the 4357 selcall number - remembering that all Austravel bases are listening for a 4357 selcall, not just your target base.
- when your **successful** emergency call is received at a base (*perhaps by more than just your target base*) a message capable HF radio will show a message.....  
**EMERGENCY RESPONSE ACTIVATED.**
- non message capable radios do not get a 4357 written message response or a selcall revertive, but will hear the base (or bases) attempting to send the message.
- non message capable HF radios will be able to hear the shrill like noise response as long as you can hear the base replying (again mute off volume up) with that shrill noise (FSK) you will know that your 4357 selcall was successful.
- stay on the successful channel, do not scan, and wait for an emergency responder to contact you by voice.
- In the unlikely event that you are not contacted by voice by an Austravel emergency responder within 5>10 minutes....repeat your 4357 selcall again.

SKED is a standard radio abbreviation for a scheduled contact at a specific time. I.e. every day at the same time.

For Austravel these times and channels are listed in the beginning pages of the selcall list which is available from the members login area of the web site, which is the most up to date or, comes out as a separate email when the Channel Chatter magazine comes out. Skeds will change summer to winter



with this years change happening as this magazine comes out.

The sked tables needs to progressively change as the solar activity increases and we start using higher frequencies over shorter distances. These progressive changes are needed to keep providing the best coverage of Australia at sked times.

So please stay up to date and check on the changes as each new selcall list comes out. Get a current copy before you head off for travel.

Of course if you are travelling and out of email range as a regular caller on the skeds the operators will let you know in advance of a pending sked list change.

Further to that I would like to remind all members that the bases and skeds are there for their usage.

Unlike some HF radio networks we encourage you to use your radios anytime to contact other members mobile to mobile but specifically to call in at sked time.

This will give you valued operational experience with your specific radio and help you gain a knowledge of which frequencies travel best over the distances being used. Skeds operators will also give you feedback as to the quality sound of your radio, ie. Is your radio working as it should.


The knowledge and experience you gain may make it much easier for contact in an emergency and give you some general pleasure from having a HF radio.

We are hoping to soon include Shepparton, Alice Springs and Casino into the Eastern skeds. This will give much wider strong signal coverage of the Eastern States. The inclusion of channel 1 and 3 in the South East will provide easy sked access for all of Victoria and Tasmania. South Australia will have access in the afternoons through Alice and possibly into Shepparton in the mornings. However to avail yourselves of this; a reminder that you will need to get the new channel 1 (3175Khz) for Shepparton put in your radios and of course channel 4 (6793Khz) and 6 (9323Khz) as well if you are intending to head to the North of WA or North QLD.

The sked operators would love to hear you on air anytime and you can call from your own driveway, you don't have to be travelling. Give it a go.


Just a note that we are still short of sked operators so if you think you would like to have go at being an operator contact Geoff Riseley (2748) [river-doglabs@gmail.com](mailto:river-doglabs@gmail.com). We have a sked operator handbook available to guide you through the process and it is easier than you may think. Training is available for would be sked operators.

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A note from a member who resides in Alice Springs. Peter (9599) sends us tit bits for the newsletter regularly, especially travelling in the outback material; as both he and his wife (Carol who is a flight nurse for the RFDS) see or hear of un-prepared outback travellers coming to grief in and around Alice Springs.

On behalf of the committee, the editor thanks Peter for this observation of the Austravel HF network.

Folks,

Let me start by offering my congratulations in providing OUTSTANDING coverage in the Simpson Desert.

Last weekend I travelled from Alice Springs down via Old Andado, Mt Dare and down to Dalhousie Springs. Dalhousie is the starting point for travelling east across the Simpson.

I did fairly extensive testing from a number of locations to all bases at various locations, you should see them in your logs.

Both the Casino and Shepparton base's absolutely romped in at all locations, especially Shepparton. Tellcall+ was fab via Shepparton though it did fail on the first attempt, a number got truncated and "Alice" (asterisk) gave an error.

Kununurra also did VERY well at Chambers Pillar, it kicked in around 5mhz early morning and then moved up to 9mhz (ch6). I did ping Alice Springs from Dalhousie I think on 5mhz and it got in on most occasions.

Perth was also accessible at all locations however not as strong, considering the antenna direction it still did well.

I must say I would feel VERY comfortable relying on this network for remote travel, the coverage is very good. Again the phone calls via Shepparton were very good, audio appeared to be good at both ends.

Huge thumbs up, everything worked in a reliable and predictable manner....

Cheers..Pete in Alice (9599)

### Member Report on the Kulin Tin Horse Races held on the 5,6,7th of October.

Nine members attended a social gathering at the Kulin Races. 7880, 5577,1890,1957,6355,6330,4005,1487 and 1226...it was a great weekend with about three thousand adults and one thousand "ankle biters" in attendance.

There was great food stalls and live entertainment. On the day of the horse races most of the Austravel members got together and sat around a bunch of timber pallets as a table and had a few bets on the horses.

Alan 1957 and Colin 6355 climbed up on one of largest rocks around the area and I was completely "nacked" just watching them. It was a great weekend full of laughter and good cheer, and I feel reasonably sure that we will attend next year. We had a fire on the Sunday night before we left Monday a most enjoyable weekend.

Denny 1226



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Some members maybe interested in some of the technical reasons why specific channels, antennas types and location are chosen for a HF radio base. Tech talk is not every bodies cup of tea but we are the club with the highest level of technology in our bases and systems and I believe at this stage even without a QLD base we still have the best overall HF coverage of Australia of any. So here is a bit about Kununurra without getting too technical.

Our mobile (vehicle) transmitters are only 100 watts or so, and when feeding mobile antennas (that by nature are quite short for the frequencies we need to use), are not very efficient. That restriction means that we are generally not a very strong signal from a mobile (vehicle) and therefore only looking to transmit up to about 1000Km or so. I know we often talk across a Australia on our channels and we can use those channels when they suit but for reliable 24/7 communication we can expect a range of 1000Km as a guide. That means a base station to cover the Kimberley, needs to be in the Kimberley's. Hence Kununurra base.

Much of this information applies to all our bases. Base locations are difficult to find in that we need next to no local electrical interference so our base can receive well. Sadly, pretty much everything that plugs into a power point these days make HF radio noise. So to find a base location that has power for us to use, 4G internet access and no noise, is difficult.

We have however been honored with a suitable site in Kununurra. The next thing was to look at where it needed to cover and then choose a suitable antenna design for that range. A radio base for transmit is only as good as its antenna. Considering all of the Kimberley's is a great tourist area with barely any mobile phone coverage, we wanted to achieve strong reliable signals into Gibb River road WA, range 50km to 500km, Kakadu National Park NT, around 600km and all in between. With some distance extension to Gove and Broome looping down toward Alice Springs, about to about 1000km. With this we cover a lot of remote area.

If you consider that the HF radio waves we use bounce off an ionosphere layer

about 300km high, to talk to a station 300km away make a reflection angle of about 60 degrees and a launch angle about the same. Like an equal lateral triangle. In antenna terms this is a high angle and needs an antenna that sends a large amount of its' transmit power upward toward the desired reflection point. To keep signals strong at our mobile (vehicle) receivers I wanted an efficient antenna design with minimal internal losses. Standard half wave dipoles were chosen. Not a small antenna with channel 1 at about 48 meters long and the three other dipoles shorter but extended with a suitable rope to meet up at the same length on the supporting poles at the ends, with the middle held up with a tower. Four dipoles in total each with a specific length, as these are tuned resonant antennas. All feeding a common coax cable making antenna number 1 at Kununurra. For the height chosen, the lower channels radiate high angle as required for the shorter distances and the higher channel 6 radiates at a lower angle to transmit a longer distance. This is a very efficient antenna for its simplicity, with gain lobes along the top of Australia and a slight null to Asia. Gain lobes is the radiation pattern or the power shape from the antenna.

For the distances to be covered we needed a range of channels and it was an opportunity to add a 9Mhz frequency to replace our channel 6. We need channel 1 for night use and channel 2 and 4 for day use, to give us a selection to get around intermittent interference from Asia. The channels were deliberately chosen so as not to conflict with Alice Springs Base so that as the club grows a member can be on Alice base at the same time a member is on Kununurra for phone, GPS etc. A number of our bases channels are chosen this way to allow multiple members to operate with bases simultaneously. I have written previously why some frequency changes were needed for channel 1 and 4.

All in all we have a good selection of frequencies for the distances to be covered at the same time keeping club costs down by having a selection of 4 channels with licensing costs controlled.

To help with emergency communication and the management of an emergency

from a far, we have a vertical antenna as a wire inverted "L" built into the support wire of the main antenna tower. This wire has an appropriate SGC base loading auto tuner to allow it to operate on selected channels as required for the emergency. As a vertical antenna it is inherently a longer distance antenna with its nominal lower angle of radiation. It has a radiation pattern that is fairly omni directional, all directions including Asia. With the base loading tuner, it has reduced efficiency for transmit similar to our mobile (vehicle) antenna, although a little better in that the wire is longer than our mobile whips. This is antenna number two at our Kununurra base and gives emergency operators a choice and can be selected if required. It is also a great back up antenna should there be a problem with the main antenna. Although not as good as the main antenna it is great to have back up at a base that is hard to get to for servicing. By the way, this antenna is similar to what other clubs use for their bases and is not really ideal for shorter distance lower frequency use.

I have been testing Kununurra base driving to Perth returning from Kununurra and other members are down around great central WA and across in QLD.

The base is accessible from all of Australia some of the time in the day, but more importantly in the primary area of design while in that range area I had easy access day and night. Signals are strong and I am very happy with the performance of the base.

Give 6299 a try and for most it will be available on channel 6 in the day. You will need the new frequencies put in your radio but if you are in a quiet receive location out camping try the other channels at night as well, as with all the bases.

As a HF radio network provider Australia has set a new standard. We have begun coverage in the North, and I believe the first to provide in this region a solid communications platform for general use with smart features. I am one of the team of many club members that went to Kununurra. This base installation would not be possible without the team.

(Article provided by Kim Rhodes 7880)



I have a fair bit of trouble getting people to answer my HF radio telephone (radphone) calls. My HF call goes through perfectly and the base dials the phone number I have requested. It rings and rings and rings till time out.....***the person I am ringing won't answer the call.***

All Austravel base phone numbers have a (07) prefix and here in WA and maybe the rest of Australia we get a lot of telephone soliciting from the QLD area. Hence when people see my incoming phone number with a (07) prefix when a base is calling on their mobile, they ignore it.

I am trying to let the friends that I may have reason to ring from my HF, that the incoming call will have a 07 prefix and to put the number (07 21013454) in their phone as Austravel Bases.

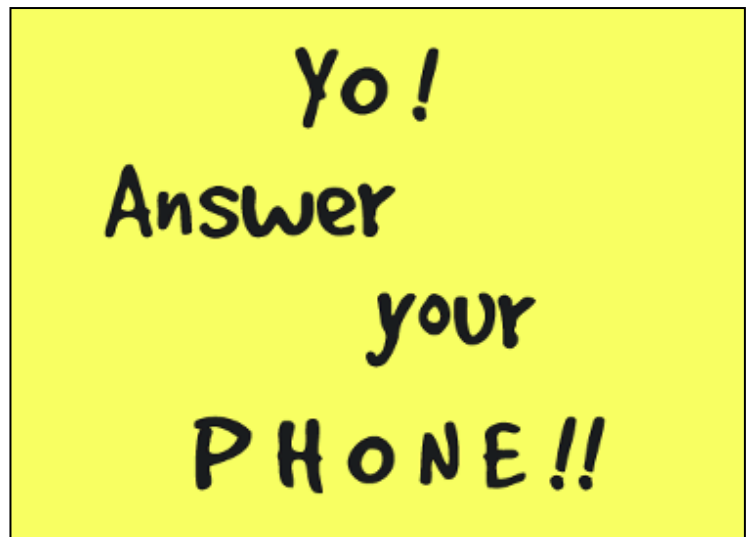
Then when I ring their phone, they will know the Austravel Base identity phone number and hopefully they will answer. All Austravel bases send the same number for identity (it's a VOIP phone system).

You should let your friends also know that they cannot return a call on that number. It is blocked for direct in dial to a HF base. If they need to contact you back they must call an Urgent Contact person.

We can pass a message via skeds or if urgent attempt to make direct contact. Providing your HF radio is on and scanning. In some instances Urgent Contacts can join your friends incoming telephone call to a base call to you.

Or they can send a reply message using the Out-n-About phone app.

When you make a phone call through the radio don't forget to choose a good channel first with beacon calls. Your call is limited to about six (6) minutes once they answer.



# TET-EMTRON

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# Out and About 4 x 4 Club

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For all enquiries or membership questions,

Email [president@outandabout4x4club.org.au](mailto:president@outandabout4x4club.org.au)

Or [secretary@outandabout4x4club.org.au](mailto:secretary@outandabout4x4club.org.au)

Come to our next meeting: Tuesday November 20, 7:15pm

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Out and About 4x4 Club Inc



<http://www.outandabout4x4club.org.au/>



Four Wheel Drive Western Australia  
(WA 4WD Association INC.)

Recently myself with partner Hazel, left Rockhampton to embark on a 9000 km trip to Boulia across the Plenty highway to Alice Springs, then on to Halls Creek in WA through the Tanami Desert via the Tanami Track, then from Halls Creek we travelled down the iconic Canning stock route, with almost 1900 Kms of sand hills and corrugations to Wiluna.

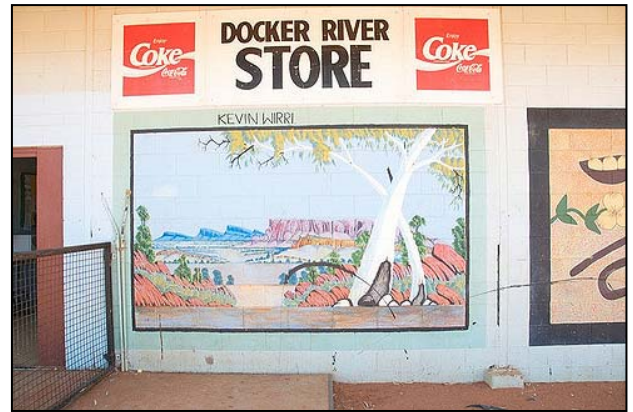
After an overnight stop at Wiluna we headed East across the notorious Gun Barrel highway, the Great Central Road, to Warburton and then Giles which is the most remote weather station on the Australian mainland. Then we crossed back into the NT on the Great Central road heading for the Olgas and Ayers Rock. Some 50 kms East of Docker River we came upon a family broken down and we were unable to help them directly; but we were able to help them indirectly by using our HF Radio to contact Docker River store to send out help and we continued on to Alice Springs.

After leaving Alice Springs we travelled south through Santa Theresa Community Old Andado station, Mt Dare and Dalhousie Springs before heading across the Simpson Desert on the French Line. The Simpson is the largest sand desert in the world with 1200 sand hills to cross.

We were 275 kms West of Birdsville and 240 Kms East of Mt Dare when we came across another family of 6 broken down. Two adults, twins aged five, a twelve and 14 year old - all boys. We stayed with the family for five days co-ordinating a rescue using the HF Radio with relays from other club members situated in Adelaide, Wagga Wagga and the Hunter Valley.

We recently visited the family at their Ipswich home for an emotional re-union.

(article by Rick Shea 3097)



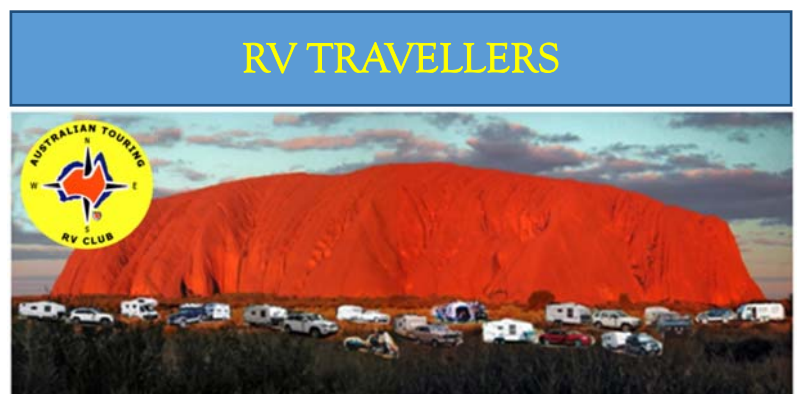
- Do you enjoy travelling and being out doors?
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- We have National, State and Regional rallies all over Australia.
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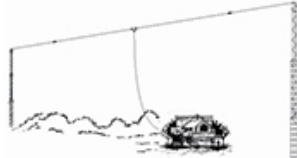
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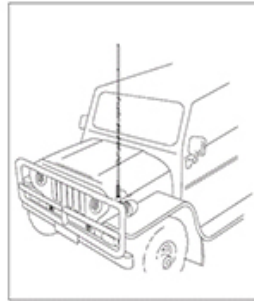
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### Charles Winnecke

Charles Winnecke entered the South Australian Government Survey Office in 1873. He was part of the Horn Expedition into

Central Australia and the North Eastern Exploring Expedition to survey the border between South Australia and Queensland. Winnecke provided names for many outback landmarks. He named the Adam Ranges after Mr Adam Hay of Queensland, three days later he named Mount Tietkens after Mr W H Tietkens, the well-known Western Australian explorer and another hill, Mount Smith after Mr A Smith of Adelaide. On the 18th September 1883, Winnecke crossed a wide sandy creek, which he named the Hay River after Mr Adam Hay, Esq and the next day "passed two very peculiar white hills" and named them Goyder's Pillars, after G W Goyder, Esq, the Surveyor-General of South Australia.

Other landmarks that were named by Winnecke were Mount Winnecke after a relation, Lake Caroline, Mount Chewings and Mount Duff. When he had been preceded in his survey work by earlier explorers or early pastoralists, he used the names as they had been recorded. Most of these were European but some traditional names were used. Winnecke named three peaks "Mount Edward, Mount William, and Mount Francis after the brothers, Messrs. Edward, William, and Francis Belt respectively, and the range to which they belong the Belt Range."

If you travel by any of these landmarks think of the hard times encountered by Winnecke and his team. Their speed of travel may seem slow but few would wish to match their routine. "We generally turn out of our blankets and prepare for a start about 4am, never later than 5. The camels are then brought in, and breakfast and packing up is taken in hand together, both being finished generally by about 7am; we then make a start and travel all day at a slow and very tedious pace. At sundown, and very often later, a place for a camp is selected; the camels are then unloaded and hopped (sic) out, the saddles examined, and if necessary repaired every night; and finally, observations are taken for the purpose of checking and correcting the position of the camp, diary written and plan roughly plotted up. At between 11 and 12 pm everything is finished, and we again turn in to sleep until 4 o'clock next morning".



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# AUSTRAL SAFETY NET Inc.

## HF Radio Allied Traders List

Connecting Austravel Members To HF Radio Sales / Service Providers  
(Last update April 2018)



<b>Watts Communications</b>	Codan, Barrett, Icom, Bushcomm Antennas www.wattscm.com.au / sales@wattscm.com.au	Fyshwick ACT 02 6280 6416
<b>Wes Follett</b>	Codan, Barrett, Icom, Bushcomm Antennas wfollett@bigpond.com /0412 885 817	Deniliquin 03 5881 3189
<b>Eacom Communications</b>	Codan www.eacomm.com.au / ian.blackburn@eacom.com.au	Griffiths NSW 02 6964 2033
<b>D.L. Communications</b>	Codan, Barrett dlcserv@hotmail.com	Merimbula NSW 0418 280 270
<b>Newcastle Pro Sound</b>	Codan, Barrett www.npsonline.com.au	Newcastle NSW 02 4965 6899
<b>Fettell Communications</b>	Barrett www.fettell.com.au	Port Macquarie NSW 02 658 11341
<b>Action Communications</b>	Icom www.actioncommunications.net.au	Kingswood NSW 1800 802 948
<b>Karera Communications</b>	Icom www.karera.com / sales@karera.com	Tuggerah NSW 02 4355 1599
<b>Phoenix HF Communications</b>	Servicing most brands of HF	Kareela NSW 02 9544 6355
<b>Independent Communications</b>	Servicing most brands of HF radios www.independentcommunications.com.au	Tamworth NSW 02 6765 7555
<b>Illawarra Communications</b>	Codan www.illcom.com.au / scott@illcom.com.au	Wollongong NSW 02 4229 7300
<b>Central Communications</b>	Codan, Barrett www.centralcomms.com.au / sales @centralcomms.com.au	Alice Springs NT 08 8952 2388
<b>Comspec (NT) P/L</b>	Codan, Barrett www.comspec.com.au / sales@comspec.com.au	Alice Springs NT 08 8953 1903
<b>Combined Comms Solutions</b>	Barrett www.combinedcom.com.au / info@combinedcom.com.au	Darwin NT 08 8941 0644
<b>ITS Communications</b>	Codan, also servicing most brands of HF radios info @itscomm.com.au	Winnellie NT 08 8984 4855
<b>Territory Comms Services</b>	Codan, Barrett, Scout tcs@territorycomms.com.au	Tennant Creek NT 0418 814 978
<b>HF Radio.Com On-Line Store</b>	Codan, Barrett Sales Service and Installation www.hf-radio.com.au / david@hf-radio.com.au	Brisbane Qld. 0408 345 208
<b>Mobile Communications</b>	Codan, Icom www.mobilecomms.com.au	Brisbane Qld. 07 3373 2345
<b>RF Technologies</b>	Servicing most brands of HF radios www.rftech.com.au / maxr@rftech.com.au	Brisbane Qld. 07 3279 7177
<b>Kyle Communications</b>	Codan, Barrett, Icom www.kyle.com.au / kylecomms@specsafe.com.au	Burpengary Qld. 07 3888 7899
<b>Miles Electronics</b>	Codan, Barrett www.mileselectronics.com.au / john@mileselect.com.au	Cairns Qld. 07 4035 1133
<b>Reids Radiodata</b>	Codan reidsradiodata@bigpond.com	Cowra NSW 02 6341 1544

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<b>Goondiwindi Communications</b>	Codan <a href="http://www.goondiwindicommunications.com.au">www.goondiwindicommunications.com.au</a> sales@goondiwindicommunications.com.au	Goondiwindi Qld 07 4671 3641
<b>Linemaster Marine Electronics</b>	Barrett <a href="http://www.linemaster.com.au">www.linemaster.com.au</a> / sales@linemaster.com.au	Maroochydore Qld. 07 5479 6851
<b>TCQ Communications</b>	Codan, Barrett accounts@tcq.net.au	Mount Isa Qld. 07 4743 4388
<b>Capricorn Communications</b>	Codan, Icom <a href="http://www.capcom.com.au">www.capcom.com.au</a> / sales@capcom.com.au	Nth. Rockhampton Qld. 07 4926 1172
<b>Beaney's Communications</b>	Barrett, Icom <a href="http://www.beaneys.com.au">www.beaneys.com.au</a>	Rockhampton 07 4927 5049
<b>Advance Communications</b>	Codan, Barrett sales@advancecomms.com.au	Roma 07 4622 5842
<b>Comptel P/L</b>	Codan <a href="http://www.comtel.com.au">www.comtel.com.au</a> / enquiries@comptel.com.au	Toowoomba Qld. 07 4639 8999
<b>Navcom Electronics P/L</b>	Barrett navcomadmin@bigpond.com	Townsville Qld. 07 4771 2422
<b>Norcomm P/L</b>	Codan, + servicing of most brands of HF radios <a href="http://www.norcomm.com.au">www.norcomm.com.au</a> / sales@norcomm.com.au	Townsville Qld. 0408 722 833
<b>Digital Radio Solutions</b>	Codan, with service to most makes of HF <a href="http://www.marktek.com.au">www.marktek.com.au</a> / contact@marktek.com.au	Adelaide S.A. 0418 845 518
<b>Electric Bug</b>	Codan, Icom, Barrett <a href="http://www.electricbug.com.au">www.electricbug.com.au</a> / sales@electricbug.com.au	Adelaide S.A. 08 8346 9234
<b>International Comms. Systems</b>	Codan, Barrett, Icom, Wagner, Hawk <a href="http://www.intcomsys.com.au">www.intcomsys.com.au</a> / intcomm@intermode.on.net	Port Adelaide S.A. 08 8447 3688
<b>Marktek Installations</b>	Codan, servicing most brands of HF <a href="http://www.marktek.com.au">www.marktek.com.au</a> / mark@marktek.com.au	Adelaide S.A. 08 8250 2888
<b>Northern Communications</b>	Service of all brands of HF radios phil.48@bigpond.com	Gawler S.A. 08 8522 6081
<b>HF Radio Solutions</b>	Codan & Codan Auto Tune Repair <a href="http://www.hfradiosolutions.com.au">www.hfradiosolutions.com.au</a> / ivan@hfradiosolutions.com.au	Renmark S.A. 0428 882 719
<b>Desmond Communications</b>	Codan, Barrett, Icom desmondcomms@dodo.com.au	Howrah Tas. 03 6228 1331
<b>Marcom Watson</b>	Codan, Barrett, Icom, <a href="http://www.marcomwatson.com.au">www.marcomwatson.com.au</a> / info@marcomwatson.com.au	Launceston Tas. 1800 630 611
<b>Weeks Radio Communications</b>	Codan sales@weeksradio.com	Alexandra Vic. 03 5772 1292
<b>Bairnsdale Communications</b>	Codan, Icom sales@bcomms.com.au	Bairnsdale Vic. 03 5152 4622
<b>Lara Electronics</b>	Codan & Codan Auto Tune Repair <a href="http://www.laraelectronics.com.au">www.laraelectronics.com.au</a> / sales@laraelectronics.com.au	Geelong Vic. 03 5282 2751
<b>Bushcomm Online Store</b>	Bushcomm Antennas, Multi Tap Antennas, 2nd. Hand HF <a href="http://www.bushcomm-online.com">www.bushcomm-online.com</a> / sales@bushcomm-online.com	Melbourne Vic. 03 9017 6777
<b>Angus Communications</b>	Codan, Barrett hofmann126.ph@gmail.com	Shepparton Vic. 03 5821 9155



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(Last update April 2018)



<b>South Eastern Communications</b>	Sales & service of most brands of HF radios. www.secomms.com.au	Rosebud Vic. 0434 720 006
<b>AA Radio Services</b>	Codan, Icom, + service of most brands of HF radios. www.aaradio.com.au / sales@aaradio.com.au	Vermont Vic. 03 9264 8333
<b>Earth 2 Ocean Communications</b>	Barrett, Codan, Icom sales and service www.earth2ocean.com.au / sales@earth2ocean.com.au	Bunbury W.A. 08 9721 1730
<b>Esperance Communications</b>	Barrett, Icom + servicing of most brands of HF radios www.esperancecomms.com.au / service@esperancecomms.com.au	Esperance W.A. 08 9071 3344
<b>ACS Communications</b>	Codan, Icom www.acs-marcomm.com / faith@acs-marcom.com	Perth W.A. 08 9277 4655
<b>Allcomm Communications</b>	Codan, Icom www.allcom.com.au / allcom@allcom.com.au	Perth W.A. 08 9479 4997
<b>Barrett Communications</b>	Barrett www.barrettcommunications.com.au / information@barrettcommunications.com.au	Perth W.A. 08 9434 1700
<b>Mobile Masters</b>	Barrett (sales no service) www.mobilemasters.com.au / mail@mobilemasters.com.au	Perth W.A. 08 9492 1777
<b>Transair Two Way Radio</b>	Codan, Icom www.transair.com.au / transair@transair.com.au	Perth W.A. 08 9209 2225
<b>RF Waves Australia</b>	Codan, GME, Motorola HF VHF Repair & Service www.rfwaves.com.au / email: cpg@rfwaves.com.au	Hammersley W.A. 08 934 271 161

**Austravel Safety Net Inc. Members please note.....**The purpose of this list of "Allied Traders" is to offer a ready reference which may provide you with a source of sales and/ or service assistance when travelling away or near your home location.

Please provide feed back to the "Channel Chatter" newsletter editor if you find information contained misleading or incorrect.

**Allied Traders...**please review your listing and advise the "Channel Chatter" newsletter editor of any listing detail that is incorrect or requires review. Additionally, if you wish to be removed from our Allied Trader e-mail contact list, please advise.

(editor contact details contained on page one)