

SHACKNEWS

HIGHVELD AMATEUR RADIO CLUB

PO Box 1111, Bedfordview, 2008

July 2003

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Sunday morning BULLETINS - 145.7875 MHz & 7062 KHz @ $\pm 08h45$.

COMMUNICATION IS THE NAME OF THE GAME

MEETING Which was held on 5th July at the usual venue. Ton, ZS6ANA, brought along a World Space satellite receiver. He explained what it is all about, types of broadcasts and frequencies. We then all QSY'ed outdoors for a practical demonstration. Once the antenna was aligned many interesting stations were heard in excellent digital sound. Tnx Ton.

SSC The meeting was held on Saturday 12th July. Shaun, ZR6SMR, discussed the possibilities of visiting a private observatory somewhere in the Honeydew area. He will report back at the next meeting with details. As there was not are big turn out there were further general discussions on various topics.

Brain teaser No.1

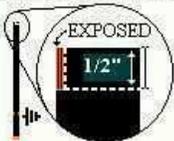
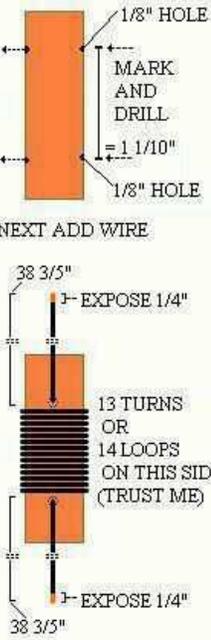
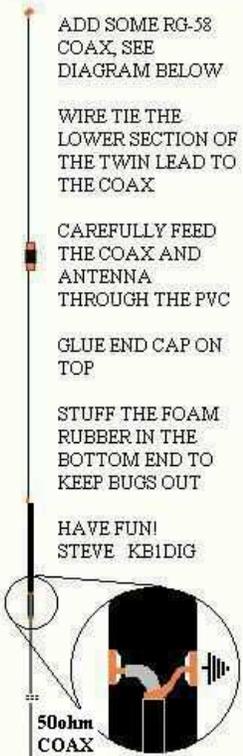
A traveller undertakes to walk, alone and without help, across a desert entirely lacking in resources. Every 20 kilometres on the 100-kilometre trail there is a shelter. (20 kilometres is exactly what a traveller can walk in one day.)

The traveller can only carry three days food. He can stock food only in the shelters. How many days will it take to cross the desert?

Answer in the next issue.

Lifted from the WEB

2 Meter Homebrew Vertical Antenna: This antenna is a 1/2 wave co-linear design and is built inside a 10 foot piece of 3/4 inch PVC water pipe. It is omnidirectional and has the gain of a small beam. Best of all, it can be built for less than \$10. Good luck!

PARTS	STEP 1	STEP 2	STEP 3	SHOULD LOOK LIKE THIS
<ul style="list-style-type: none"> □ 3/4" PVC END-CAP 10', 3/4" PVC IPS SCH40 1/2" WOOD DOWEL CUT 2" LONG 10' OF HOOK-UP WIRE 20 GAUGE SOLID INSULATED □ COPPER CLAD 1"x1" CIRCUIT BOARD 20" OF 300 ohm TWIN LEAD WIRE NOT FOAM TYPE 2 WIRE TIES A PIECE OF FOAM RUBBER TO STUFF INTO THE BOTTOM 	<p>STRIP 1/2" OFF BOTTOM, TWIST WIRES TOGETHER, AND SOLDER</p> <p>NOW MEASURE AND EXPOSE ABOUT 1/8" OF TWIN LEAD WIRE ON BOTH SIDES</p> <p>STARTING FROM THE BOTTOM, MEASURE AND CUT = 16 7/10"</p> <p>LAST CUT IN STEP 1</p> 	<p>1/2" WOOD DOWEL</p> <p>1/8" HOLE</p> <p>MARK AND DRILL</p> <p>1/8" HOLE</p> <p>1 1/10"</p> <p>NEXT ADD WIRE</p> <p>38 3/5"</p> <p>EXPOSE 1/4"</p> <p>13 TURNS OR 14 LOOPS ON THIS SIDE (TRUST ME)</p> <p>EXPOSE 1/4"</p> <p>38 3/5"</p> <p>ON TO THE NEXT STEP</p> 	<p>CIRCUIT BOARD</p>  <p>CUT INTO A CIRCLE THAT IS BIGGER THAN THE INSIDE DIAMETER OF THE PVC PIPE AND SMALLER THAN THE OUTSIDE DIAMETER OF THE PIPE</p> <p>DRILL A SMALL HOLE IN THE CENTER OF THIS CIRCLE AND SOLDER ONE END OF THE COIL WIRES TO IT</p> <p>SOLDER OTHER END OF THE COIL TO THE EXPOSED WIRE OF THE TWIN LEAD</p>	<p>ADD SOME RG-58 COAX, SEE DIAGRAM BELOW</p> <p>WIRE TIE THE LOWER SECTION OF THE TWIN LEAD TO THE COAX</p> <p>CAREFULLY FEED THE COAX AND ANTENNA THROUGH THE PVC</p> <p>GLUE END CAP ON TOP</p> <p>STUFF THE FOAM RUBBER IN THE BOTTOM END TO KEEP BUGS OUT</p> <p>HAVE FUN! STEVE KB1DIG</p>  <p>50ohm COAX</p>

Sorry all the measurements are American

EVER WONDER

- Why the sun lightens our hair, but darkens our skin?
- Why women can't put on mascara with their mouth closed?
- Why don't you ever see the headline "Psychic Wins Lottery"?
- Why is "abbreviated" such a long word?
- Why is it that doctors call what they do "practice"?
- Why is it that to stop Windows 98, you have to click on "Start"?
- Why is lemon juice made with artificial flavour and dishwashing liquid made with real lemons?
- Why is the man who invests all your money called a broker?
- Why is the time of day with the slowest traffic called rush hour?
- Why isn't there mouse-flavoured cat food?
- When dog food is new and improved tasting, who tests it?
- Why didn't Noah swat those two mosquitoes?
- Why do they sterilise the needle for lethal injections?
- You know that indestructible black box that is used on airplanes? Why don't they make the whole plane out of that stuff?
- Why don't sheep shrink when it rains?
- Why are they called apartments when they are all stuck together?
- If con is the opposite of pro, is Congress the opposite of progress?
- If flying is so safe, why do they call the airport the terminal?

A bit of advice for the fairer sex in your household.

Some of this seems like useful advice. Through rapist's eyes (No Joke) A group of rapists and date rapists in prison were interviewed on what they look for in a potential victim and here are some interesting facts:

- 1) The first thing men look for in a potential victim is hairstyle. They are most likely to go after a woman with a ponytail, bun, braid or other hairstyle that can easily be grabbed. They are also likely to go after a woman with long hair. Women with short hair are not common targets.
- 2) The second thing men look for is clothing. They will look for a woman who's clothing is easy to remove quickly. Many of them carry scissors around to cut clothing.
- 3) They also look for women talking on their cell phone, searching through their purse or doing other activities while walking because they are off guard and can be easily overpowered.
- 4) The time of day men are most likely to attack and rape a woman is in the early morning, between 5 and 8:30 a.m.
- 5) The number one place women are abducted from/attacked at is grocery store parking lots. Number two is office parking lots/garages. Number three is public restrooms.
- 6) The thing about these men is that they are looking to grab a woman and quickly move her to a second location where they don't have to worry about getting caught.
- 7) Only 2% said they carried weapons because rape carries a 3-5 year sentence but rape with a weapon is 15-20 years.
- 8) If you put up any kind of a fight at all, they get discouraged because it only takes a minute or two for them to realise that going after you isn't worth it because it will be time-consuming.
- 9) These men said they would not pick on women who have umbrellas, or other similar objects that can be used from a distance, in their hands. Keys are not a deterrent because you have to get really close to the attacker to use them as a weapon. So, the idea is to convince these guys you're not worth it.
- 10) Several defence mechanisms he taught us are: - If someone is following behind you on a street or in a garage or with you in an elevator or stairwell, look them in the face and ask them a question, like what time is it, or make general small talk e.g. "I can't believe it is so cold out here, we're in for a bad winter". Now you've seen their face and could identify them in a line-up, you lose appeal as a target.
- 11) If someone is coming toward you, hold out your hands in front of you and yell Stop or Stay back! Most of the rapists this man talked to said they'd leave a woman alone if she yelled or showed that she would not be afraid to fight back. Again, they are looking for an EASY target.
- 12) If you carry pepper spray (this instructor was a huge advocate of it and carries it with him wherever he goes,) yelling I HAVE PEPPER SPRAY and holding it out will be a deterrent.
- 13) If someone grabs you, you can't beat them with strength but you can by outsmarting them. If you are grabbed around the waist from behind, pinch the attacker either under the arm between the elbow and armpit or in the upper inner thigh - HARD. One woman in a class said she used the underarm pinch on a guy who was trying to date rape her and was so upset she broke through the skin and tore out muscle strands - the guy needed stitches. Try pinching yourself in those places as hard as you can stand it; it hurts.
- 14) After the initial hit, always go for the groin. I know from a particularly unfortunate experience that if you slap a guy's parts it is extremely painful. You might think that you'll anger the guy and make him want to hurt you more, but the thing these rapists told our instructor is that they want a woman who will not cause a lot of trouble. Start causing trouble, and he's out of there.
- 15) When the guy puts his hands up to you, grab his first two fingers and bend them back as far as possible with as much pressure pushing down on them as possible. The instructor did

it to me without using much pressure, and I ended up on my knees and both knuckles cracked audibly.

16) Of course the things we always hear still apply. Always be aware of your surroundings, take someone with you if you can and if you see any odd behaviour, don't dismiss it, go with your instincts. You may feel a little silly at the time, but you'd feel much worse if the guy really was trouble.

(I presume this article originated in the USA but would be applicable here. Ed.)

Brain teaser No.2

Great-uncle George has always enjoyed fireworks, and this year, having just celebrated his birthday, he bought as many rockets as he is years old to mark the occasion. But half of them got damp, the children borrowed a third of the good ones for a private celebration, and the sticks were missing from 21 others. "Never mind," cried the old boy, " it just means that there'll be one for every ten years, instead of one for every year." It was a poor show, though. We'll have a better one when great-uncle George is 100. When will it be?

Answer in the next issue.

SWAPS

This column is still FREE for you to advertise anything that you would like to. Just give the editor a call.

011-893-1291 or e-mail zs6bfl@telkomsa.net

73 Berridge ZS6BFL