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Editorial for the Communicator must reach the Editor on or before the second Thursday of the month for inclusion in that month’s issue. Any and all articles are welcome, however the editors reserve the right to choose content suitability for publication.

To submit articles, items for publication, letters to the editor or to ask questions of our technical writers, please address all correspondence to The Editor at the address shown on the front cover or via email to phil.48@bigpond.com If you know of anyone who wants to advertise in the Communicator, space and charges are available on request, speak to a committee member for more information.

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Meeting dates.

ACRM SA Inc. Meetings are on the FOURTH TUESDAY of each month.

There is no Meeting in December.

The OCM in May is on the 22nd ..

June’s OCM is on the 26th.

ACRM SA Inc. Meetings are held at 3 Redmond Rd. Collinswood. SA.

Gawler/Barossa general meetings are bi-monthly (every two months), on the THIRD TUESDAY of the month. No meeting in December.

Next meeting is July 17th. 2018

PRESSIE'S PRATTLE: Phil48

Another day; another Dollar: Another Month, another Mag. I've no idea what if any is the correlation between that opening statement, any more than it is just what I thought of so don't try and read anything into it.

Without risking more bad luck and saying printing is back on track, let's just say that since getting the old lap-top going, things seem to be going pretty well and while on the subject of things going fairly well, on the June long weekend, we did the Robertstown 2-day (Lew Job reliability Trial), see elsewhere for a write-up about the Trial.

RALLY ROUND UP: Trevor 120:

With the Lew Job Trial under our belt, we can look forward to a few more before the year is out.

Next up is the Swann Insurance 24-hr Reliability Trial, 14th-15th July, please get your name in quickly if you can help out. Although all the events are equally important, the 24-hour is no doubt the biggest and with 24 controls the hardest to provide monitors for so I'd appreciate everyone with a weekend to spare to put your name down for that one. Sandy creek Ride 21st-22nd July.

ROBBY 2-DAY: Phil 48:

After spending the best part of Thursday packing for Robby, then finishing off on Friday morning, we pulled out of home late morning, with the intention of grabbing lunch at the Eudunda bakery.

While there was plenty of traffic on the roads and warnings of Police Blitzes fresh in our minds, it was a surprisingly quick and easy trip but alas, arriving at the bakery to learn they had no Cornish Pasties left, was a crushing blow. However, we didn't leave empty handed and any cravings were soon sated. From Eudunda to Robby is only about 30 minutes so it wasn't long before the familiar silos were in sight meaning we were then only 15 minutes away from our first night's obligatory camp at the Menzel's. With the hugs and hellos done we were soon sitting down to a nice cuppa and catching up on news and other noteworthy things. Pleasantries aside, the main aim of getting to Robby on the Friday is to erect the repeater during daylight in readiness for the ride. Adrian 423 and I went to do the erecting, leaving Chris & Val to monitor the radio. With antenna up and repeater connected, we did a few tests with hand-held's but didn't get the base radio, which was strange because we reckon we could see 423s place from the hill. Anyway, the next job was to test some of the controls for signal strength and we were disappointed when we lost the repeater driving to the first control, chk 6 (which was also within sight and only about 5 k away. Both miffed and getting

splinters from all the head scratching, we assumed the problem was back at the repeater site so did a turn around and went back, where once close again, things appeared to be okay. I had erected a ½~ dipole, the same one used at Farrell Flat, with excellent results, however 423 was a bit sceptical about that choice and convinced me to swap to a 6dB white stick (base antenna), which is a bit of a standard and had always worked before. This led me to open the repeater box and start unscrewing the N-type from the duplexer but to my amazement the cable and connector parted company, leaving me with one assumption that I'd just discovered the fault. Although annoyed that it had broken, it was not a problem, I soon crimped on a new one and we put it back together, then while doing some tests, the base fired up to say that they could hear us, it was soon confirmed that good 2-way communication was happening so we left to continue testing checkpoints, only this time we had a base to report to. Checkpoint-1 was expected to be the worst as it was over a hill and historically, had been bad in the past, yet when testing it, we found that by moving about a bit, Adrian could get the repeater on his portable. There's a first time for everything and a possible reason was the half wave folded dipole and its broader angle of radiation (something I'll go into in a Tech Tips article).

The cable was broken at Farrell Flat during last years Clare MCC Trial and given to me to repair, which I did but only the end that had come off and I didn't pull on the other end to see if it also had problems, I guess I should have because that was the one that failed. I've come to the conclusion that the repeater box needs modifying as there is some pressure exerted on the coax when closing the lid to make it bug free and water resistant. Why bug free? Strangely enough, the old repeater had a ventilation slot that allowed a small lizard, to get in and it came home with us but not being smart enough to get out again, the little bugger died. It was only discovered after I wondered why the old repeater started to pong, firstly a little and then a lot.

The rest of the event didn't go completely without problems but the repaired coax wasn't of any more concern and it turned out all controls had good comms.

One control would have been left unmanned due to non attendance of one of our monitors but as luck would have it Robert 101 (Rocky) and his wife Di, came up and offered to cover that control on Saturday and while there organised the controller to take over on Sunday so left a radio for her to do so.

Usually, a fully charged repeater battery will get us through a Robby long weekend but sometime Sunday morning we started to experience typical flat battery symptoms so Adrian 423 took a spare battery up to the site and connected it via jumper leads to get us going again in the shortest amount of time. Knowing what affect cold has on batteries, I can only assume the chill factor on that hill must have knocked hell out of the new battery on its second use. There was

nothing else to go wrong and the rest of the day went well. It was mid afternoon when the last rider was in and we went up to pull the repeater down. We finished packing and cleaning the room we occupy then pointed the D-max South for a long-winded ride home. Despite feeling like a long drive home, we pulled into our drive a bit after dark, which is probably not a long drive, it just seemed that way. I was, however, glad to be sleeping in a proper bed that night. While we have made sure the caravan has most of the creature comforts one is used to, the bench type (narrow) beds leave something to be desired. Something unexpected from Robby was the weather as it was uncommonly mild and neither night was cold, well not in caravan anyway and luckily not in the sports room we occupied during the ride. Every other year someone, usually Charlie Amos sleeps in the room and there can be anywhere up to 3 radiators going to keep the place habitable but not this year, in fact, I don't think it got below 9° C and hovered around 12° C during the day, unless some inconsiderate so & so stood with the door open for an extended period of time until anyone or everyone yelled, "Close the door."

Training Officer's tweet: Bill 78:

The Swann 24 hr. event is near.

Time to prepare all your equipment, masts and Antennas, batteries charged and connections secure, lights for night-time running and warm clothing ready.

Food and drinks, suitable writing material, pens, clip board and think of your own preferences to provide for a comfortable event?

Register your commitment to the event A S A P.

For lighting, consider economical LED lights.

Treasure Trove; Chris 49:

After relating the story of how long it took Daniel 222 to receive a parcel from Adelaide (May issue of the Communicator) we now have two that top it.

On January 22nd we ordered some styluses from China. Normally the slow boat takes six weeks so when they didn't arrive we assumed that they were lost in the mail.

After giving up on them we were surprised when they turned up after four months. The day after we had a Christmas card that couldn't be delivered turn up as well, which has taken Australia Post at least five months.

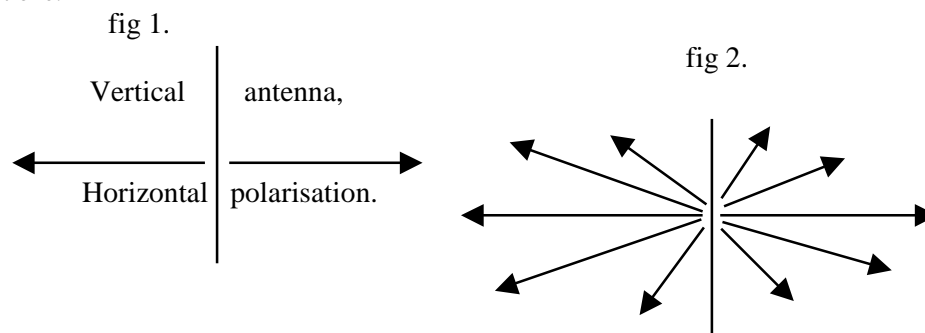
I started writing this in response to my article on 6db white sticks versus half wave dipoles and their respective gain, which includes radiation patterns and I'm probably going to have to illustrate this article, in some way, to support my description so excuse me if my drawing isn't quite as explanatory (or as good) as it should be. If I could draw, I'd be working for Disney.

The first thing we note is that polarity is not what it seems but it's important to the antenna and any other antennas in the system. A vertically mounted antenna is actually horizontally polarized in that the transmission is radiated horizontally away from the vertically mounted antenna (Fig 1). In fact, some radiation goes up and some down. Here is where the original argument gets its credence. The higher the gain the less radiation we have up or down, with maximum radiation being transmitted horizontally, as in fig one.

In reality though, although weaker, it's the waves that get transmitted in other directions that often do a better job. See fig 2

Angle of...and radiation patterns are often shown as a doughnut slid over the antenna and if the doughnut is flattened out it denotes gain.

In a $\frac{1}{2}$ - antenna, the doughnut is fairly round, indicating there is equal radiation in all directions, similar to fig 2 only the arrows would be equal and about the length of the short one.



Oh, I wish I'd not started on antennas, one thing leads to another and I've only scratched the surface.

A **balun** (for balanced to unbalanced) is an electrical device that converts between a balanced signal (two signals working against each other where ground is irrelevant) and an unbalanced signal (a single signal working against ground or pseudo-ground).

Wiki explains a balun in its true form but I don't really want to go into balanced and unbalanced signals at this point. I used to do a simple electronics course in Tech Tips in the early days but most were not interested so it died a natural death. Since then I've tried to explain things simply and hopefully in layman's terms.

Impedance, although measured in ohms, is not the same as resistance in a resistor, but plays a big part in antenna design and for the antenna to match the transmission line (usually coax), some form of impedance matching, usually a matching transformer known

as a balun, is used. The cable is connected on one end to the radio and the other to the antenna via the balun.

An example that may be a more common is the TV antenna, usually a folded dipole with directors and a reflector to make it a directional high gain antenna with an impedance of 300 ohm, some may remember the old twin flex, about 13 mm wide with a wire down each side, that flat ribbon was 300 ohm and matched the antenna so the terminal on the early tv's was 300 ohm too. After colour tv became popular we were told we had to have a colour antenna and then digital came and not only was a new antenna designed but it had a screw on (F connector with 75 ohm coaxial connections as standard. That didn't mean they had done away with baluns, it just meant that they were built in.

Now back to CB and comms that affect us, the coax we use is 50 ohm, thus the radios are designed to run on a 50 ohm load. Typically 1/2 ~ antennas on UHF CB are still 300 ohm, thus the balun is just as important. In many antennas you don't see the matching device because it is built into the antenna design. The common 6db base antenna is known as a stacked collinear consisting of 3 half wave antennas on top of each other protected by a fibre glass raydome and base loaded to match 50 ohm without needing a ground-plane or any other external matching device. (Raydome is the name given to the fibreglass sheath that protects and supports the antenna parts within).

Okay, enough is enough. I'll treat you all to another session next month

My Mother always told me ; Chris 49:

My Mother always said, by Anna Tochter. A small book containing bits I'm sure we have all heard, starting with, you'll understand when you have children of your own. It is divided into sections and the sixth instalment, which was omitted last month is presented now:

Part six:

Keeping up Appearances

It doesn't matter about your clothes
Providing you have good quality shoes

Ill-fitting shoes show on your face.

Lift up your feet when you walk,
You don't want to wear out the ground.

The next four are only short so here are seven, eight, nine & ten.

Clothes

You only need three of anything:
One on, one in the wash and one in the drawer.

Precautions I

Always wear clean underwear, in case you're run over and taken to hospital.

Precautions II

Always put paper on a strange toilet seat.

Precautions III

Take a clean hankie.

Precautions IV

Always carry enough money in your purse
For a phone call or a taxi home.

Precautions V

Never do anything with a boy you'd be ashamed for me to find out.

Precautions VI

When in doubt, don't.

Tuck's tales; Graham 141:

There is no rest for the wicked!

There is no rest for the good either, not that I know into which category I fit these days. I had intended to do bus tours around Gawler for History Festival month (May), but I could not get a grant from History SA to cover the cost of the bus for two days, so I shelved the idea.

Then I got a phone call from Endeavour Tours, who do mystery trips, generally for oldies. They asked if our National Trust Museum would be prepared to do 20 one hour tours during May.

I hope I didn't sound too enthusiastic when I agreed but as I had already prepared a suitable tour titled "Grand homes of Gawler", the deal was done.

As I write this today, I have completed all my share of the 20 days and one day remains to be done tomorrow by one of my colleagues.

The funds we raised doing these tours will be a big boost for our funds



LAST MONTH'S
CROSSWORD ANSWERS

1	A	J	2	A	R		3	T	H	E	4	A	T	5	R	6	E	7	S
	P		N		8	E		E		C		E		O					
9	R	E	G	A	T	T	A		10	C	A	M	E	L					
	I		L		E		T		I		O			O					
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	O				N		R		E		S		12	S					
13	T	A	14	T	I	C		15	I	N	T	E	N	T					
	S		A		T		16	C		T									
	17	P	L	A	Y	T	R	I	A	L	18	R	U	N					
19	C		C		R		E		L		E		G						
20	A	L	I	B	I		21	D	E	L	I	V	E	R					
	L		U		N		I		Y		U		A						
22	F	U	M	I	G	A	T	E		23	R	E	L	Y					

June's

*Birthday greetings and
best wishes.*

*Birthday greetings for July
are extended to:*

212, Sandy, for the 4th
Daryl 295, for the 9th and
423 Adrian, for the 28th

We wish you all the very best for a
special day.

WANTED TO SELL, BUY OR EXCHANGE

Wanted: 8 ply variegated wool, in pink, white and burgundy tones, was possibly a Reject-Shop product. Contact Chris 49 on 08 8522 6081

Wanted to sell, buy, or exchange ads are free to members. Please contact a committee member or send your ad to The Editor c/- ACRM at the address on the cover. You can also email it to The Editor c/- phil.48@bigpond.com
I hate to say it but items for sale, to buy or exchange have been a little scant over the last few months, thus it is an ideal time to submit your for sale items to us.

Jokes, so silly, they are actually funny.

My son wanted to know what it's like to be married. I told him to leave me alone and when he did I asked him why he was ignoring me.

I went through an expensive and painful procedure yesterday, having had my spine and both testicles removed. Still, some of the wedding presents were fantastic.

My wife's cooking is so bad we usually pray after our food.
My wife told me she needs more space. I said no problem and locked her out of the house.

My wife and I have been married for quite a few years and my wife asked me recently to get some pills that would make sure I'd be up to some action in the bedroom again. I brought home diet pills... Apparently very much not what she meant.

What to give a man who's got everything? A woman. She'll tell him how everything works.

I think as marriages go, we're doing absolutely awesome, I mean I get to sleep with my wife

When I see lovers' names carved in a tree, I don't think it's sweet. I just think it's surprising how many people bring a knife on a date.

Can a kangaroo jump higher than a house?
Of course, a house doesn't jump at all.

A man asks a farmer near a field, "Sorry sir, would you mind if I crossed your field instead of going around it? You see, I have to catch the 4:23 train."
The farmer says, "Sure, go ahead, and if my bull sees you, you might even catch the 4:11."

Man to a butcher: "I'd like bull's testicles."
Butcher: "Yeah, so would I"

Girl: So, how many times a day do you shave?
Man: Well, about 15-20 times every day.
Girl: My god, are you some kind of crazy?
Man: No, I'm a barber.

What's black, red, black, red, black, red?
A zebra with a sun burn.

"I am a master of fast calculations."
"OK, what is 758 times 642 divided by 5?"
"22!"
"Ha ha, that's wrong!"
"Might be, but it was fast!"
Excuse me, may I disturb you shortly?
Of course, what is it?
Nothing, I just wanted to disturb you.

Where do we get virgin wool from? Ugly sheep.

What is white and sits on your TV?
A fly wearing a nightie.

Andy has 150 candy bars. He eats 125. What does Andy have now?
Andy has diabetes now.

Minutes of 403rd OCM

Minutes of Meeting 403 held on 22nd May 2018 at Collinswood

Meeting opened at 2005 hrs

Present.. 141,78 , 21,153,232,45,43,44,48,49

Visitors Jenny Thompson, Dean Palmer

Apologies 80,233,64,370,371,372,333,40,423,120,113,212,80

Minutes of Previous Meeting Moved 43 Sec 45 Carried

Matters arising Nil

Correspondence In 18I/17,18,19 Out Nil moved 232 sec 21

Reports

President:- Computer playing up. Unable to print second batch of raffle books.

Secretary:- Nil

Treasurer:- Bal \$7371.40 In \$34.02 Out Nil

Inc Central Belt \$4125.09 In \$150 Moved 44 Sec 45

Training Officer:- Nil.

Rally Coord.:- Absent with apology A few M/cycle events coming up

Social Sec :- Sell as many raffle books as possible

Resources:- Nil

General Business

Nil General Business

Next meeting 404 26th June 2018

Meeting Closed 2022



IN THE KITCHEN WITH CHRIS 49.

NEVER -FAIL PAVLOVA

4 egg whites
1 ½ cups sugar
5 tblspns boiling water
1 tsp vanilla essence
1 tblspn cornflour
pinch salt
1 good tsp white vinegar

Method: - Preheat fan-forced oven to 200°C. Line an oven tray with aluminium foil.

i

Pile the mixture onto the prepared oven tray and use a spatula to mould the mixture, until it is a bit larger than cooked sponge.

Place in preheated oven, close the door, then turn the oven back to 1 stroke below 150°C.

Bake for 1 hour. (Ovens will vary, so if the pav starts to tinge, turn the temperature back a little.)

Once cooked, turn the pav upside down onto a hot pav plate and carefully peel off the foil.

The pav will keep for a few days before being decorated if need be. I think the best topping is whipped cream. sliced banana and black passionfruit.

Serves 8

BLACK FOREST TORTE

½ cup caster sugar
1 golden delicious apple
⅓ cup breadcrumbs
3 eggs separated
¾ cup cashews, chopped
Topping
400ml cream
Chocolate flakes
1 x 425g can black cherries, drained

Method: - Pre heat the oven to 180°C. Grease a 20cm springform cake tin.

Beat sugar and egg yolks, fold in the apple, nuts and breadcrumbs. Whip egg whites until stiff peaks form, then fold into the batter. Place mixture in prepared tin and bake for about 45 minutes.

For the topping, whip cream and spread most of it over the top and sides of the cake. Pipe lines of cream across the top of the cake, to create sections, then fill these sections with cherries and sprinkle with chocolate flakes.

LEMON DELICIOUS PUDDING

1 tblspn softened butter	1 cup sugar
2 tblspns self raising flour	Juice of 2 lemons
1 cup milk	2 eggs separated

Method: - Preheat oven to 150°C (not fan forced). Grease a 1 litre casserole dish. In the casserole dish, cream the butter and sugar. Add sifted flour, lemon juice, milk and lightly beaten egg yolks. Mix well. Lastly add the stiffly beaten eggwhites. Place in the oven and bake for about 25-30 minutes. When cooked, the pudding will be cake-like on top, with lemon filling underneath. Serve with custard
Serves 3-4

QUICK COCONUT CAKE

1 cup desiccated coconut	1 cup self-raising flour
½ cup sugar	1 cup milk
2 cups icing sugar	

Method: - Preheat the oven to 180°C. Grease a loaf tin. Mix together coconut, sifted flour, sugar and milk (the mixture will be soft). Pour into prepared tin and bake for 45 minutes. Make plain icing by combining sifted icing sugar with enough water or milk to achieve the desired consistency. Ice cake with plain icing when cold. Spread cake slices with butter to serve, if desired.
Serves 12

JELLY CHEESECAKE

Whipped cream and grated lemon zest, to serve.

Base

230g Nice biscuits, crushed	150 g butter or margarine, melted
-----------------------------	-----------------------------------

Filling

110g cream cheese	¾ cup sugar
1x375ml can evaporated milk, chilled	1x85g packet lemon jelly crystals
1 cup boiling water	1 tblspn lemon juice

Method: - Preheat oven to 150°C. Grease a 20cm springform tin. To make the base, mix biscuit crumbs with melted butter, then press into prepared tin. Cook in the oven for about 10 minutes, then put in the fridge to cool. To make the filling, beat the cream cheese and sugar until combined. In a separate bowl beat the evaporated milk until very thick. Add cream cheese mixture and beat in. Dissolve jelly in the hot water and allow to cool. When

cold, add lemon juice to the jelly, then add jelly to the cream cheese mixture and stir well. Pour into the tin on top of the biscuit base. Refrigerate until set. Spread whipped cream over the cake and decorate with grated lemon zest. Serves 8.

BOILED FRUIT PUDDING

2 tblspns softened butter or margarine
1 egg ½ cup sugar
1 cup plain flour 1 tsp bicarbonate of soda
2 tblspns milk sugar, for sprinkling on the cloth
1 cup mixed dried fruit (raisins, sultanas, currants- you can also add almonds, cherries and mixed peel for a richer pudding)
Custard, cream and ice-cream, to serve

Method: - Cream butter and sugar, then beat in egg. Add fruit, sifted flour and soda. Add a little milk to make a soft, but not runny, mixture. Scald a pudding cloth and sprinkle with sugar. Place mixture in the centre and tie very tightly, allowing a little room for rising. Place in a large saucepan or boiler with a saucer in the bottom and half-fill with boiling water. Boil for 2 hours. Serve with custard, cream and ice-cream. Serves 6

BLACK FOREST CHEESECAKE

Crumb crust

250g chocolate biscuits, crushed 110g butter, melted

Filling

230g cream cheese ¾ cup sugar
1 tblspn lemon juice 1 tblspn gelatine
½ cup hot water 300ml cream, whipped
1 x 425g can cherries

Topping

1 tblspn arrowroot 1 tblspn sugar
1 tblspn rum (optional)

Method: - Mix the crushed biscuits with butter. Press into a 20cm springform tin and refrigerate.

To make the filling, beat cream cheese with sugar and lemon juice. Dissolve gelatine in hot water and add to mixture. Fold in whipped cream, reserving some for decorating.

Drain cherries, saving the liquid. Pit cherries (if necessary) and cut each in half.

Pour a third of the filling mixture onto the crumb crust and arrange half the cherries on top.

Pour on another third of the mixture and arrange remaining cherries on top. Pour remaining filling on top and refrigerate.

Combine reserved cherry liquid with arrowroot, sugar and rum (if desired) in a saucepan and bring to the boil.

Remove from heat and cool slightly while stirring. Gently pour topping over cheesecake and use a knife to swirl it into the top centimetre of the filling mixture.

Allow to set, then top with reserved whipped cream.

Serves 10-12.

Apple Caramel Scrolls

1 cup S R flour

1dspn sugar

about a half cup of milk

1 cup cold sweetened stewed apples

ground cinnamon for sprinkling

custard or cream to serve

Caramel Sauce

4 heaped tblspns soft brown sugar

1 tblspn butter

Method: - Preheat oven to 200°C. Grease a pie dish

Combine sifted flour and sugar and add enough milk to make a firm dough. Roll dough out until about 4mm thick and approximately 10cm x 30cm in size. Spread apple over the dough and sprinkle with cinnamon. Roll the pastry starting with a long side, to make a long log. Cut the log into 6 slices (each about 5cm wide) and place flat side down in the pie dish.

To make the sauce, combine the sugar and butter in a small saucepan with one tablespoon of water, bring slowly to the boil and simmer for one minute. Pour sauce over the scrolls and bake for 15 minutes.



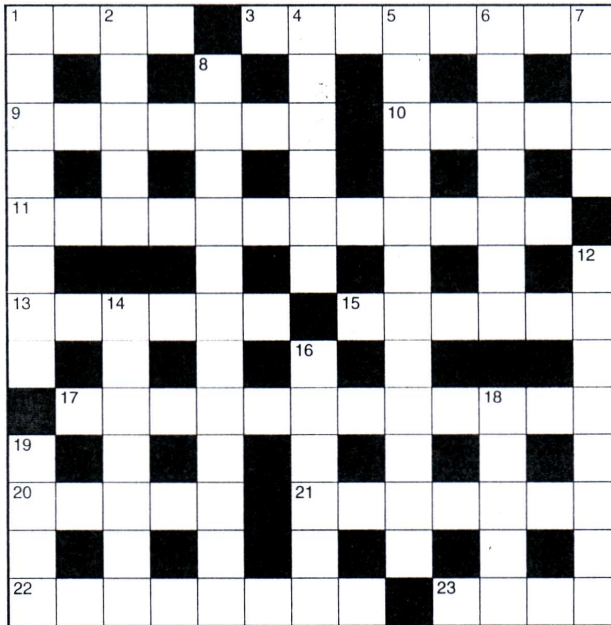
pictures looked a bit grainy

Another blast from the past. G66 Val, now deceased, operating as relay from Mount Gawler for a bike trial. On the left hand side, you can just see a ladder leaning against a post, the significance of which is that the post has a Trig point sign on it and trig points are usually on the highest point, so why the ladder? His antenna was attached to the trig point sign, giving excellent coverage over a wide area.

My first digital camera was a Sony that saved the image to a floppy disc, hi resolution was 640 X 480, the same as a lo res computer screen so clarity wasn't brilliant and when set to grey scale, which was all we printed before getting the colour laser printer,

Crossword Puzzle, compiled by
Chris 49.

Answers next month.



www.motorcyclehouse.com.au/motorcycle-jackets.htm

www.motorcyclehouse.com.au/motorcycle-saddlebags-panniers.htm

(July 18)

ACROSS

1. Make fun of a person (4).
3. Wing flaps (8)
9. Japanese warrior (7).
10. Part (5).
11. Female Principle (13).
13. Away (6).
15. Single cell creature (6).
17. Noisy serpents (12).
20. Large animal (abbrev.5).
21. Not giving way to requests (7).
22. Rated (8).
23. Prefix 1000 (4).

DOWN

1. Highest point of ship's mast (8).
2. Punctuation mark (5).
4. Most frozen (6).
5. In testing mode (12).
6. Superintend (7)
7. Look for (4).
8. Forewarning predictions (12)
12. High male voice (8).
14. Contagious skin disease (7).
16. Add gas (6).
18. Army uniform colour (5).
19. Type of whale (4).



A word of thanks to our sponsors, Foodland Gawler, Robern Menz, Office Works, Maccas, K Mart & Motorcycle House. Their assistance is greatly appreciated. Please show your support by supporting them.



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