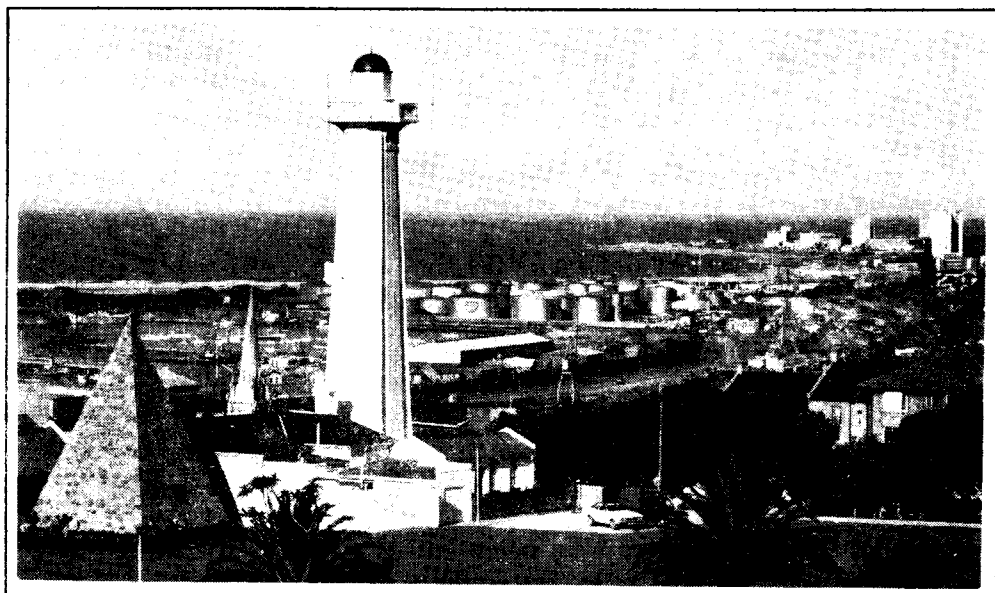




Q S X

P E



THIS NEWSLETTER IS PUBLISHED BY THE  
PORT ELIZABETH BRANCH OF THE  
SOUTH AFRICAN RADIO LEAGUE

P.O. BOX 10402  
LINTON GRANGE  
6015

**September, 1994**

# ANNUAL GENERAL MEETING

The Annual General Meeting of the Port Elizabeth Branch of the South African Radio League will be held on **Saturday, 17 September 1994**, commencing at **16:00 (4pm)** in the **Scout Hall, van Plettenberg Street, Kabega** (*NOT at the usual monthly venue*).

The Agenda is as follows:

1. Welcome
2. Minutes of previous Annual General Meeting
3. Chairman's report
4. Treasurer's report
5. Branch awards
6. Election of Chairman
7. Election of Committee
8. General
9. **Party Time - bring 'n braai**

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## *Invitation to the A.G.M.*

*Members and their families (and interested non-members too) are cordially invited to attend the Annual General Meeting of the Branch on Saturday, 17 September (see the notice above).*

The business will be followed by a **bring and braai**, so please bring along whatever eats and refreshments you require, as well as glasses, plates, cutlery etc..

The Branch will provide fires under the strict control of a responsible member - there's too much arson around these days.

**Directions to the Scout Hall**—Travelling west along Old Cape Road, pass the Microwave Tower, the Convent and some blocks of flats. Turn left into Woltemade Street opposite the shopping complex, *before the Police Station*. Turn left again into Ritchie Crescent. The Scout Hall is on the corner with van Plettenberg Street. Naturally if you're coming from the other direction, turn *right* where we say *left* above, *after* where we say *before* and don't pass the flats. The street names remain the same from either direction. Give a call on the 650 Repeater if you get lost, but you've gotta be a real dummy to get lost with all those directions.

## CHAIRMAN'S ANNUAL REPORT

HALF-WAY THROUGH THE YEAR our chairman of two years, Colin Robertson ZS2CR, left us and QSY-ed to East London. We owe him a debt of gratitude because under his chairmanship our Branch flourished, and it is a fitting tribute that the last Branch activity under his leadership was the very successful hosting of the SARL AGM. On behalf of the "Premier Branch" I wish him and his family all the best for the future. He is now chairman of the East London Branch, so it is reasonable to assume that things will start happening in that part of the world.

It was not easy taking over the reins from Colin in mid-stride, as I had not been all that active in Branch affairs for the last few years. Also, probably the greatest concern of a new chairman is the level of support he will receive from committee and members alike without that support it can be a miserable job indeed. Happily, that support was there in abundance, for which I would like to thank the outgoing committee and the members of the Branch in general. It was never necessary to beg for a volunteer to come forward: in fact, in most instances the offer to help was there before the request for assistance had been made. To my mind that is the true measure of a healthy Branch.

As mentioned in the opening paragraph, the League AGM was one of the highlights of the year. Our Branch acquitted itself very well, with delegates being most complimentary about all the arrangements. All the members who were involved can hold their heads high, and deserve a special vote of thanks for their hard work.

Another event which generates a lot of activity and gets the adrenalin going is the annual Volkswagen rally. This year was no exception, and 37 members participated in providing the comms for the rally. It was hard work and for some it also meant very little sleep, but at the end of the day it was thoroughly enjoyed by all. And that enjoyment was enhanced by a sense of pride, because we did a damn fine job. Well done!

Social activity is one area in which we could have done better. This shortcoming has been addressed in the composition of the new committee, where the specific portfolio of "Social" has been created. This is an important aspect of Branch activity and should not be neglected.

We will be starting the next year with a "new look" committee, with redefined portfolios. How many new faces there are going to be on the committee we will only know after the AGM, but I am sure it will be a good team that you put in charge of your affairs.

I have avoided thanking anybody by name, because to do so would inevitably mean offending those I fail to mention. Every member, in some way, made his or her contribution to the success of the Branch and so I say to all of you ... thank you for making this such a great Branch.

In conclusion, special thanks to the outgoing committee for their support and willingness to get the job done.

# MINUTES OF THE ANNUAL GENERAL MEETING OF THE PORT ELIZABETH BRANCH OF THE S.A. RADIO LEAGUE HELD ON 18 SEPTEMBER 1993

The meeting opened at 16:15. The Chairman welcomed members and visitors, of whom there were about 50. Apologies as per register.

Those present stood for a few moments of silence in memory of Darrell ZS2CZ and Stephen ZS2ABO, who had passed away.

The Minutes of the 1992 AGM were adopted: proposed by Dick ZS2RS and seconded by Don ZS2DL.

The Chairman's report was adopted: proposed by Trevor ZS2AE and seconded by Dick ZS2RS.

A presentation was made to Gus for his sterling work as Auditor. Trophies were then presented to winners as follows:

Hamnet Shield	Al ZS2U	DF Trophy	Vic ZS2SZ
Construction	Martin ZS2ABN	Ham Spirit	Louis ZS2CB
DX	Jim ZS2LR	VHF	Andre ZS2ACP

Certificates of merit were presented to:

Garth ZS2HB for production of fine issues of QSX-PE  
 Piet ZS2FP for running the PBBS  
 Sandy ZS2LN for services rendered to the Branch as a non-member  
 Colin ZS2CTR for providing numerous bulletins and relays on Sundays.

Theo Rhys, who was in charge of JOTA the previous year, then presented a certificate to the Branch for all its help with JOTA, and a certificate and badge to Dick ZS2RS for his stout effort.

The election of a committee for the ensuing year followed. Nominations for Chairman were called for. Colin ZS2CTR was proposed by Sharon ZR2ABK and seconded by Gerhard ZS2UM. There were no other nominations so Colin stood re-elected.

Nominations for committee were as follows:

<u>Nominee</u>	<u>Proposer</u>	<u>Secunder</u>
Dick ZS2RS	Colin ZS2CTR	Lionel ZS2DD
Wolf ZS2WG	Lionel ZS2DD	Jim ZS2LR
Al ZS2U	Don ZS2DL	Viv ZS2VM

Clive ZS2RT  
Sharon ZR2ABK  
Peter ZR2PF  
Martin ZS2ABN

Colin ZS2CTR  
Viv ZS2VM  
Al ZS2U  
Louis ZS2CB

Gus ZS2MC  
Dick ZS2RS  
Wolf ZS2WG  
Jim ZS2LR

These members were all elected to the Committee.

Al ZS2U was appointed as Hamnet Liaison Officer for the Branch.

## GENERAL

The members were informed about the forthcoming VHF QSO Party by Al ZS2U.

Dick ZS2RS felt that assets of the Branch should be listed.

He also mentioned JOTA on the 16th and 17th October and asked for assistance.

Louis ZS2CB thanked the Chairman for attending the Uitenhage/Despatch meetings.

The Chairman then thanked the following:

Those who assisted with work at the Grahamstown repeater site, Phil ZS2PP, Ewan ZR2AAR and Roy ZR2ABF for their contributions,

All those who helped with the AGM braai.

The meeting closed at 17:00.

---

A.F.A. Akers for Secretary



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Steve answers the question.....

## dB or not dB?

STEVE WILLIAMS, ZS2WS

The dB is a term which is used by most technicians but it is not fully understood. The dB, which is short for deci Bel (i.e. 1/10 of a Bel), if understood, can be used as a tool by the technician when planning as well as fault-finding radio frequency (RF) and audio frequency (AF) equipment. To make the most out of using the dB one must understand the basic formula for dBs.

The formula for dBs is as follows:

$$\text{dB} = 10 \log \frac{\text{Power out}}{\text{Power in}}$$

As can be seen from the formula above, the definition of a dB is the 1/10 of the logarithmic ratio of two powers.

What is being implied is that when working with powers, the ratio of the input power as to the output power can be expressed logarithmically and the resultant will be a numerical value in dBs.

Let's look at a practical situation. If we have an audio amplifier which gives out a maximum of 50 Watts (rms) for a given input of 10 m Watts, then the power gain of the amplifier can be expressed in dBs.

$$\begin{aligned} \text{gain in dBs} &= 10 \log \frac{P_{\text{out}}}{P_{\text{in}}} \\ &= 10 \log \frac{50 \text{ Watts}}{10 \text{ mWatts}} \\ &= 10 \log 5000 \\ &= 10 (3.6989) \\ &= \underline{36.989 \text{ dBs}} \end{aligned}$$

The same formula can be applied to a device that does not amplify. Such a device could be an attenuator or filter. The filter will be selective in what it attenuates whereas a straight-forward

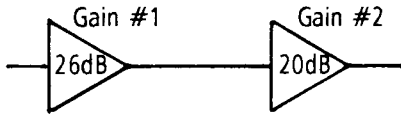
attenuator will not discriminate one frequency above another.

As can be seen from the formula, the dB value is calculated when two powers are referred to each other as a ratio. Therefore it goes without saying that the value of dB is useless unless it can be referred to a specified value.

If, for example, we have an amplifier with a gain of 26 dBs and neglect to state what the input is, then we will never be able to arrive at a value for the output. For the whole scenario to make sense, we must measure the input signal and, if it measures 1 Watt, the output can be calculated by substitution into the formula:

$$\begin{aligned} 26 \text{ dB} &= 10 \log \frac{P_{\text{out}}}{1 \text{ Watt}} \\ P_{\text{out}} &= \text{anti log} \left( \frac{26}{10} \right) \times 1 \\ &= \underline{400 \text{ Watts}}. \end{aligned}$$

The most useful quality of dBs is that they are quite easy to work with. Like any tool, they do require practice. What makes them even more attractive to use is that they are only added and subtracted. This removes the need for a calculator if the manufacturers of amplifying devices state the gain of their product in dBs.



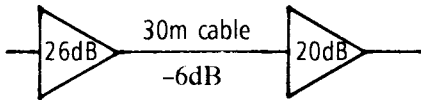
Total gain of system is the Gain #1 plus Gain #2.

$$26 \text{ dB} + 20 \text{ dB} = \underline{46 \text{ dB}}$$

So, as can be seen, the gains are added. (Multiplication or division may **not** be used).

When losses are considered, the dB value becomes negative and they subtract.

Let's consider the same two amplifiers, but only now with 30 metres of cable between them. The cable loss at the frequency of concern is 6 dBs.



$$\begin{aligned} \text{Total gain} &= 26 \text{ dB} - 6 \text{ dB} + 20 \text{ dB} \\ &= \underline{40 \text{ dB}} \end{aligned}$$

So, from the above it can be seen that gains add and losses subtract.

Now, there are some shortcuts which can be applied. Let's substitute some values into the equation and see what results we obtain.

$$\begin{aligned} \text{power input} &= 2 \text{ Watts} \\ \text{power output} &= 4 \text{ Watts} \\ \text{dB} &= 10 \log \frac{4}{2} = \underline{3.010299} \end{aligned}$$

Therefore we can conclude that if the power at the output of a device increases to twice that of the original, the power gain is + 3 dBs.

The opposite would occur if the output of a device were to be half that of the input: the power loss would be - 3 dBs.

Consider now the following example:

$$\begin{aligned} P_o &= 100 \text{ Watts} \\ P_i &= 10 \text{ Watts} \\ \text{dB} &= 10 \log \frac{100}{10} = \underline{10} \end{aligned}$$

Therefore, an output of 10 times the input is equal to a gain of 10 dB.

Let's now look at what happens if we feed an amplifier with 10 Watts and obtain an output of 1000 Watts.

$$\begin{aligned} \text{gain in dBs} &= 10 \log \frac{1000}{10} \\ &= \underline{20 \text{ dBs}} \end{aligned}$$

From the above it must be appreciated that 20 dBs is not a power gain of 20 times, but of *100 times*.

$$\begin{aligned} 10 \text{ dB} &= 10\text{X} \\ 20 \text{ dB} &= 100\text{X} \\ 30 \text{ dB} &= 1000\text{X} \\ 40 \text{ dB} &= 10\,000\text{X} \\ &\text{etc.} \end{aligned}$$

Next month we will see what happens when we deal with Voltages, relating them also to ham antenna situations.

## WANTED WANTED WANTED WANTED WANTED

(1) Transistor or Grid Dip Meter, (2) Telereader or similar—Dudley Forsyth ZS2AW, 10 Cromwell Street, Grahamstown 6140 - ☎ [0461] 23985.

# COPY WEFAX SATELLITES ON YOUR 2M RX

FROM AN ARTICLE IN VHF COMMUNICATIONS  
BY H. KULMUS, DJ8UZ

The orbiting weather satellites such as NOAA and Meteor transmit their weather images in the satellite frequency range between 136 and 138 MHz, using FM. It is possible to monitor these satellites by converting this band to 144–146 MHz and using a conventional 2m FM receiver or handy talky. The converter described herein was developed to receive these frequencies and can be constructed easily.

## CIRCUIT DESCRIPTION

As can be seen in Figure 1, the input signal from the antenna is fed via a two-stage bandpass filter for the weather satellite band 136-138 MHz to the VHF preamplifier equipped with the well-known MOSFET-type BF900. Gate 2 of this transistor is accessible via a feedthrough capacitor so that the gain of the VHF preamplifier can be reduced automatically or manually. This allows the gain to be set within limits to suit the subsequent 2m FM receiver. The most simple means of reducing the gain would be to ground connection Pt 2 via a switch.

The VHF preamplifier stage is followed by a second two-stage bandpass filter for the frequency range of 136 to 138 MHz, which possesses a coupling link for the mixer coupling. The mixer is equipped with an integrated circuit type SO 42 P that converts the satellite band to 144–146 MHz with the aid of an 8 MHz crystal frequency.

The output coupling is made via a two-stage bandpass filter for a

frequency range of 144 to 146 MHz.

The converter is designed for an operating voltage of 12 V, but will still operate even with less than 6 V, of course at lower gain.

## CONSTRUCTION

The 107 mm x 35 mm size board is double-clad, of which the upper side is used as ground surface and only the lower side is etched. The component locations are shown in Figure 2. Construction is simplified by using an available metal plate case, and the complete screening will reduce the direct reception of 2m signals. A screening panel across the input transistor may be required to ensure stable operation of this stage.

It is recommended that the construction be carried out in the following order:

1. Drill all holes in the metal case for the connectors (or hole for the cable) and for the feedthrough capacitors.
2. Solder the frame of the case



together and solder in the feedthrough capacitor.

3. Drill the PC board with a 1 mm diameter drill (1,3 mm for the trimmer), and countersink all holes with exception of the ground connections, so that no short circuits to ground occur. A hole with a diameter of 5,5 mm is drilled in the board for the VHF transistor, which is soldered to the conductor tracks later.
4. Fit the PC board to the case before mounting the components, and solder into place. Make the interconnections to the feedthrough capacitors for the +12 V and gate 2.
5. Fit the screening plate across the VHF preamplifier transistor and solder into place.
6. Prepare the inductances and solder into place. The direction of

winding is given by the holes in the board, and attention must be paid to this.

Firstly mount the input and output circuits, and solder the wires for the coil tap into place. Inductance L5 is wound from insulated wire in the turns of L4 and should be installed at the same time.

7. Equip the board with the trimmers, resistors and capacitors.
8. The SO 42 P is now soldered into place without socket.
9. The BF900 is now soldered to the conductor tracks from below.  
**CAUTION! Make sure that it is the right way round!**
10. Solder the crystal into position.

This completes the construction, and it is now only necessary for the converter to be aligned.

## COMPONENTS

T1	BF 900 (Texas Instruments)
I1	SO 42 P (Siemens)
Q1	8000 MHz HC-18/U
L1-L4, L6, L7	5,5 turns of 1 mm dia. silver-plated copper wire wound on a 6 mm former, self-supporting, mounted 2 mm over the board. <b>Coil tap on L1 and L7:</b> 0,75 turns from the cold end.
L5	1,5 turns of insulated wire wound in between the turns of L4, according to the hole spacing on the board.
R1	6,8 k
R2	18 k
R3,4,5	180 $\Omega$

C1,2,5,6,13,14:	1,4 to 10 pF plastic foil trimmers 7 mm dia (yellow)
All ceramic capacitors are for 5 mm spacing, and possess the following values:	
C3,4,7,12,17:	1 nF to 10 nF
C8	39 pF
C9	100 pF
C10	33 pF
C11	22 pF
C15,16	Feedthrough capacitors 1 nF (value uncritical)
Case	Metal plate with covers: 37 mm x 111 mm x 30 mm
Input and output connectors: BNC (or direct cable connection) $\Omega$	

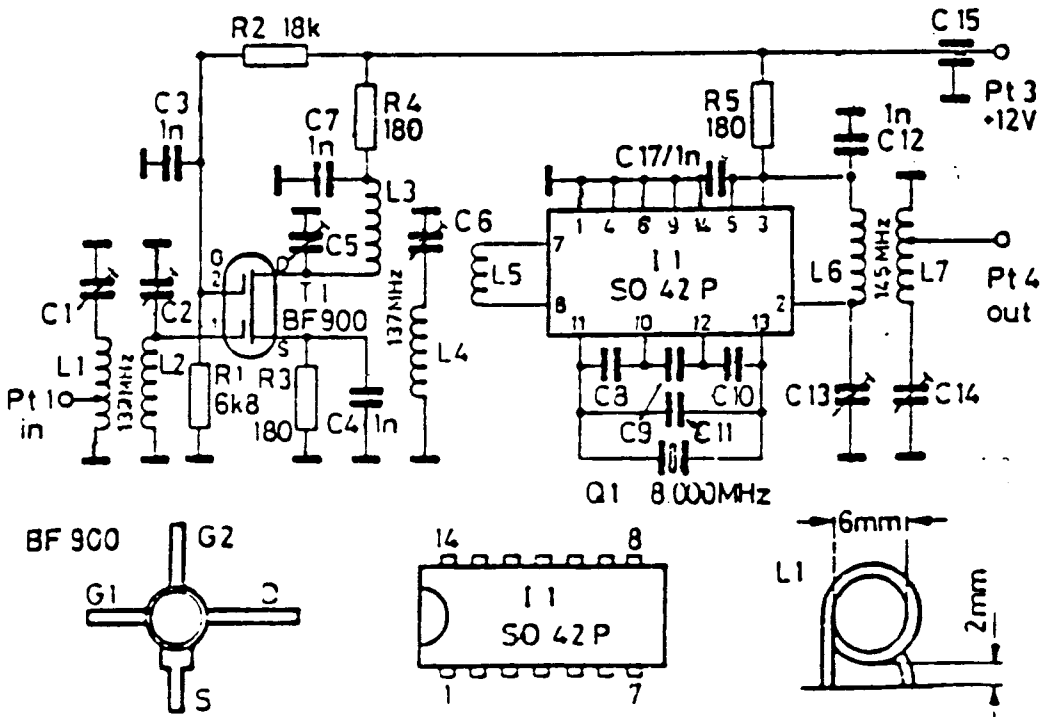


Fig. 1: Receive converter 136-138 MHz/144-146 MHz

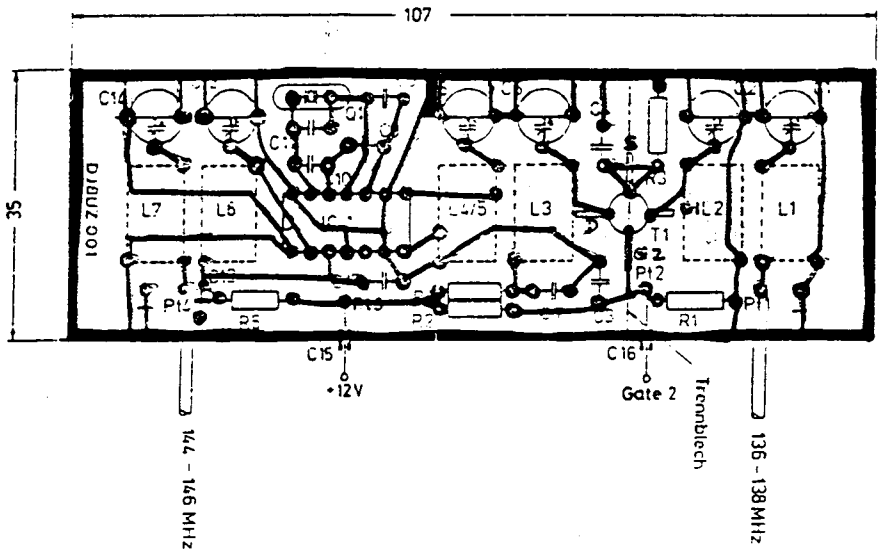


Fig. 2: PC-board of the weather satellite converter, double-coated

# HAMNET NEWS

## Hamnet Modules

All existing Hamnet members and prospective Hamnet members are required to pass a test on at least four of five modules, as published in the May issue of QSX, in order to remain or become Hamnet members. This is not as formidable a task as it may seem, and can be an interesting and enjoyable experience. If we can get a group together for a few evenings, it will almost certainly be so. Contact me at telephone 30-2983 to arrange such classes or tests.

## Monitoring

As published before, the VHF frequencies for Hamnet members to monitor are National Call (145,500 MHz) or one of the local two metre repeaters. However, a number of members experience breakthrough from

other services when monitoring two metres. This is most annoying, as it usually comes blasting through, and ends up with the member switching off his set.

At a Hamnet committee meeting held on Thursday, 25th August, it was decided to also monitor 52,6 MHz (FM) on the six metre band. This frequency was chosen because it is above the frequencies normally used on this band and is one of the crystallised channels in the PRC261 transceivers, of which there are a number around.

This frequency has been monitored for a while and is perfectly quiet.

Further plans for monitoring were discussed and will be put into practice in due course.

73, AI, ZS2U

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## REPEATER POLICY REVISITED

For whatever reason, HQ have revised their policy regarding repeaters. The "new" policy can be summarised as follows -

1. Any individual, club or SARL Branch may apply for a wide-area or local repeater licence.
2. The application must be submitted directly to the Regional Repeater Working Group for comment and recommendation based purely on technical grounds. (This means that the Branch has no say over applications by other groups or individuals, except indirectly through the Regional Working Group.)
3. In making the final recommendation to the PMG, HQ must base their recommendation on technical grounds only. (Exactly what is meant by "technical grounds" is a little unclear at this stage).

Remember, it's only a hobby. So, if all these changes of direction leave you feeling a bit confused and dizzy, don't worry, just keep smiling!

...ZS2RL

# Notepad—

## SARL Subs Overdue

As this issue of QSX goes to press, it seems that only about 2100 members have so far renewed their subscriptions to the SARL. This is about 1100 fewer than the last record membership figure I have (3200 as at June 1993). The period of grace for renewals normally expires on 31 August but it has been extended for a few weeks, after which you will be struck off the membership list and lose all the privileges that membership brings. Worst of all, you won't receive QSX-PE!

## 1994 Amateur Licences

Perhaps you're wondering what was behind the hysterical attack on Garth, ZS2IIB, in a Headquarters bulletin a few weeks ago. Well, the previous week's bulletin told listeners that, due to a glitch, many licence payments at Post Offices had not reached the Department of P&T's computer. Amateurs who had renewed their licences but not yet received an acknowledgement from the P&T computer were told to telephone P&T in Pretoria. If we did not comply, we were warned, we could lose our licences. Naturally, most amateurs were annoyed at having to make expensive trunk calls because of a P&T error, and the PMG's staff came in for severe criticism. Knowing that that is not the way the PMG's staff operate, and convinced that they were being blamed unjustly, Garth consulted a *senior* official in the PMG's office. He then sent off a 'CQ' message over the RSA packet system

assuring licensees that P&T neither demanded nor expected them to waste their hard-earned money. A P&T person had been detailed to contact *them* in due course, either by telephone or by mail. It would seem that a junior official merely asked the General Manager if the League could somehow help him in his task.

In the next HQ bulletin, broadcast internationally, the SARL General Manager not only slammed Garth for using his insight and initiative to save members unwarranted expense, but also inexcusably divulged privileged information, clearly obtained on a confidential basis, i.e. that the name of Garth's son Keith, ZS61W, appeared on the 'PMG's list of unpaid licences'.

Garth again telephoned two senior P&T officials to confirm his information point by point and the confirmation was recorded on tape. Those who have heard the tape agree that Garth was 100% correct. The tape is available should HQ wish to broadcast the *facts* to the amateur community. A verbatim transcript is also available from Garth.

★ If you did not receive an acknowledgement from Pretoria after renewing your licence and you wish to help P&T to get their records straight before the year-end, please write to: Department of P&T, Radio, Private Bag X860, Pretoria 0001 quoting your **name and callsign**, the **receipt number** printed on your statement by the cash register, the **office at which you paid**, and the **date of payment**. (The HQ bulletin did not call for the last two, most important items). Mark your letter "**for attention Mr. Kuhrau**". */to p13▶*

## 1995 SARL AGM Motions

If you have anything you want placed on the schedule of motions for the 1995 AGM of the League, now is the time to put pen to paper. Motions must reach HQ by 31 October and, if you want the Branch to adopt your item as a branch motion, it will have to be discussed at the October meeting.

### RAE Exam Applications

Applications (and your R95) to sit for the RAE examination in November must reach Headquarters by 15 September, but late entries (which will cost you an additional R20) may be accepted up to 9 October. To those intending to write, we apologise for the sudden steep increase in the examination fee after having been told it would be around R40. We were also taken by surprise!

### On the Baycom Front

★ Gerhard, ZS2UM, has the task of officially translating the **document file for the latest version of Baycom - Version 6** - from German into English

for the authors of the program, and Garth ZS2HB is helping with editing and typesetting. Those who have struggled to understand the doc. files of previous versions will be glad to hear that they may actually be able to understand the doc. file for Version 6!

★ Garth has just completed a set of **guidelines on Baycom operation** to help those starting up. It deals with the basic Baycom facilities and covers connecting with other stations as well as using the elementary bulletin board services such as listing, downloading and uploading messages.

### Radio Club in George?

There are a good number of hams in the southern Cape area (Mosse! Bay, George, Plett etc.) and we hear that there is a move afoot to form a radio club there. An exploratory meeting is planned for 19:00 on 13 September and George Oosthuizen, ZS1GJO, invites all interested to contact him at ☎ [0441] 78-0672 before then. Hope this Newsletter reaches all concerned in time.

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## BRANCH MEMBER AIDS YACHT IN DISTRESS

Our newest Branch member, Bryan Marshall ZS1NQ of Somerset West, played a major part in the rescue of a woman whose husband had been lost overboard from their yacht *Mabili* some 200 km off the northern Natal coast during July. He came across the radio conversation on the 20 metre amateur band between Muriel Border and an aircraft that had been sent to search for husband Don, but they were struggling under very poor radio conditions. Bryan broke in with an offer to relay, and this was accepted with alacrity.

Silvermine (the military radio station near Cape Town) then contacted Bryan by telephone, asking him to relay position reports and information to and from the yacht and aircraft for them, and to try to persuade Muriel to accept a lift-off by helicopter, which she declined.

Bryan remained in contact with Muriel, encouraging her and keeping her company for several hours during her lonely wait for the strike craft that had been sent to tow her into Richards Bay.

[to p.14▶

# News of Members...

## *Congratulations on your*

### **Birthdays:**

#### *September*

See August QSX-PE

#### *October*

- 2 Renee Olivier ZR2ABD
- 6 Colin Ashwell ZS2AO
- 7 Francis Roberts ZS2HE
- 13 Peet van Heerden ZS2BX  
Raphie Schauder ZS2SP
- 17 Jaco Breitenbach ZR2AAO

### **Anniversaries:**

#### *September*

See August QSX-PE

#### *October*

- 3 Susanna and Mike Bosch ZS2FM
- 9 Iona and Eric Gertenbach ZS2CV  
Kay and Fred Strutt ZS2JS
- 10 Joan and Bill Browne ZS2BY

*Welcome* to Bryan Marshall, ZS1NQ, of Somerset West, who has transferred his membership to the Premier Branch (I suppose he'll take a while to figure out which branch that is) and to Fanie Roux, ZS2ACE, of George. We're getting quite a follow-

ing along the southern seaboard and we like it.

*White House* – Werner, ZS2WA, was re-admitted to hospital in mid-August following another stroke, but has since been transferred to a frail care centre in Despatch. We hope you are well on the way to recovery when QSX reaches you, Werner.

*Prestasie* – Veelsgeluk aan Charel, ZU1YB, wie 'n Young Scientist-toekenning met sy amateurradio pakketradioprojek verower het. *Dis* nou *regte* amateurradio. Hou so aan, Charel!

*Globe-trotting* – John Hugo ZS2J, is visiting the United States for about eight weeks, while Vic and Anne Olivier ZS2SZ/ZR2ABC are leaving for the southern Cape for about five weeks. We're upset to hear that the Oliviers are considering a permanent QSY to Mossel Bay or the Western Cape. Any suggestions on how to tie these kangaroos down in PE? **Ω**

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*from p.13/*

He reports that, within hours of the yacht being taken in tow, magazines were in touch with him asking to buy the story, and in particular the tape recording that he had kept of the conversations. He refused, saying that he was not prepared to make money out of another's personal tragedy and that, instead, he would give the tape to Muriel Border if she wanted it. The magazines then swooped like vultures on a grieving Muriel shortly after her return!

You did a fine job, Bryan. And the display of commendable honour in refusing to divulge personal information to the media proves what a worthy member of the PE Branch you are! **Ω**

# Port Elizabeth Branch Committee

Chairman, Rallies	Beavan Gwilt ZS2RL	30-6968
Vice Chairman, Library	Barry Jackson ZS2H	30-3052
Secretary, Uitenhage/Despatch Liaison	Sharon Layton ZS2SL	922-7958
Treasurer, Hamnet Branch Liaison	Clive Fife ZS2RT	32-3203
Awards	Peter Flynn ZR2PF	46-4096
Projects, Repeaters, Packet	Wolf Gerstle ZS2WG	30-1510
	Martin Layton ZS2ML	922-7958
Tea Convener, JOTA, Field Day	Dick Schönborn ZS2RS	56-3908
QSX, IPHA	Vic Olivier ZS2SZ	30-2440
Inventory Control	Lynne Crothall ZS2MM	35-4671

## Branch VHF & Other Services

### REPEATERS

Town VHF	145,050/650	Kareedouw	145,125/725
Town UHF	431,050/438,650	Lady's Slipper	145,100/700
Grahamstown	145,150/750	Uitenhage	145,075/675

### OTHER SERVICES

Packet Bulletin Board (ZS0NTP)	144,675
Digipeater (Grahamstown - ZS0GHT)	144,675
2m Beacon (ZS2VHF CW ID)	144,910
6m Beacon (ZS6SIX CW ID)	50,005
6m Link with Lady's Slipper 2m Repeater	51,400
Wefax Relay (Meteosat)	145,350

\* Watch this space for developments

## Sunday Bulletins

Branch bulletins are transmitted on Sundays immediately after the Headquarters English transmission, i.e. at about 08:45, on 7098 kHz (40 metres) as well as on the 2 metre linked repeater system giving coastwise coverage from East London to ±Knysna and beyond depending on link availability via 145,750 145,700 & 145,725.

DATE	COMPILE, READ & CALL- INS ON 145,700	PE BULLETIN TRANSMIT ON 40 m	CALL-INS ON 40 m
18 Sept	Chairman	_____	_____
25	_____	_____	_____
2 Oct	_____	_____	_____
9	_____	_____	_____
16	_____	_____	_____

☆ We Like Being Your Branch ☆