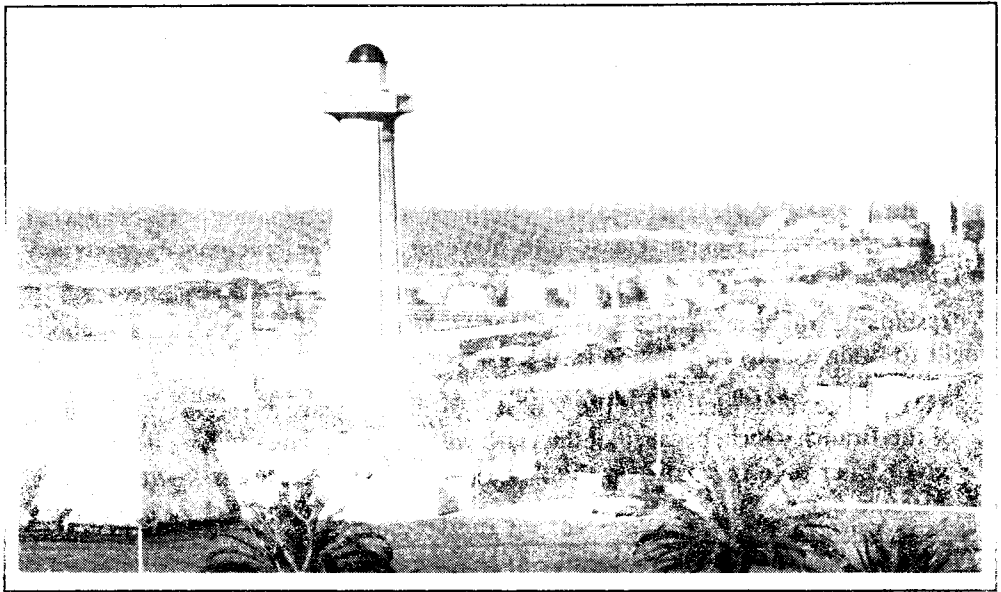




Q S X
P E



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

P.O. BOX 10402
LINTON GRANGE
6015

June, 1994

MONTHLY GENERAL MEETING

The next monthly general meeting of the Branch will be held on **Friday, 17 June 1994** in the Civil Defence Centre, Westview Drive, Mill Park, Port Elizabeth commencing at 20:00 (8pm).

There will be a discussion of the tentative arrangements for the VW Algoa Rally, which is scheduled to be run on 15 and 16 July.

The speaker for the evening will be Beavan Gwilt, Deputy Electrical Engineer with the PE Municipality, who many will recognize as our Branch Chairman. He will give a talk on the recent electricity blackout that hit PE and surrounding areas for nearly half a day, including the useful part of the evening, disrupting most amateur activities for many long hours, especially our packet communications, denying us our rightful enjoyment of and access to our computers, rendering TV viewing impossible and leaving us cold and hungry, having already smoked our emergency candles (QSX, May 1994, p12). His colleagues in the Traffic Department were hopping mad because peak-hour traffic flowed freely in the absence of their interminably red robots.

It should be **VERY INTERESTING** - perhaps even illuminating - to hear what Beavan has to say, so roll up. Please note, however, that *only traditional weapons may be brought into the meeting place.*

Refreshments will be available. Doggie bags are not allowed, but perhaps somebody ought to bring a body bag, just in case it's needed.

NOTE—The final briefing for the VW Rally will take place at the **July** meeting of the Branch which, because of the clash with the rally dates, will be held two days earlier than normal - on the **Wednesday (13th)**. Please make a note of this date *now*.

Packet Radio & Wefax Kits

Several new stations have appeared on Packet recently, using the **Baycom** kit and software. Vic, ZS2SZ, has a number of kits on hand that were ordered by members and, if you are one of them, please contact Vic and collect your kit as soon as possible.

Anyone else who would like to get into Packet should also contact Vic at \approx 30-2440 right away to order a crystal, main IC, PC board and the software, all for the low, low price of R45 plus a floppy disk. Other components are freely obtainable locally (you may have them in your junkbox) and are therefore not included in the kit.

You can also contact Vic if you require a board for decoding the **WEFAX** transmissions on 145,350 MHz or direct from the orbiting satellites on 137 MHz. He will tell you what's available and the cost. The PE Branch software sells at R35. Ω

CQ de ZS2RL

We have received a letter from Colin ZS2CR in which he extends his thanks to all members for the send-off given him at the Special General Meeting, and the farewell gift (1994 ARRL Handbook). He also says thanks again to all those who helped to make the AGM the success it was.

I believe that during July it will be Hobbies Fair time again. This will be considered at the committee meeting on 14 June, but if you have any particular feelings on the matter you are always free to say your piece at the GBM. I think we will have to accept two facts of life: demos of HF DX are a non-starter because of all the QRM at the fair, and in this age of hi-tech comms the public will not be particularly impressed by our ability to talk across town on 2 metres. If we decide to participate, we will have to look to the more novel aspects of amateur radio to stir the interest of the public.

QRP? Perhaps just putting some of our more eccentric members on display would be sufficient to draw the crowds!

Do not be afraid of opposition. It is worth remembering that kites fly best against the wind, not with it.

So far so good with preparations for the VW/Algoa rally. But we could still do with more operators - at the June meeting there will still be an opportunity to sign up. Let's try to make this the best and most professional rally to date.

As I recall it, there wasn't a single member from UD at our last monthly meeting. We missed your friendly faces!

88 + 73 (girls first, then the boys)

Beavan

MINUTES OF THE GENERAL MEETING OF THE PORT ELIZABETH BRANCH OF THE SA RADIO LEAGUE HELD AT THE CIVIL DEFENCE CENTRE, MILL PARK, PORT ELIZABETH ON FRIDAY 21 MAY 1994

PRESENT: As per attendance register.

APOLOGIES: Trevor ZS2AE, Al ZS2U, Bill ZS2BY, Sean ZS2SNA, Marge ZS2OB, Brian ZS2AB, Stoffel ZS2C, Martin ZS2ML, Sharon ZS2SL, Barry ZS2H, Phil ZS2PP, Peter ZS2T, John ZS2RG, Andre ZS2BK.

In the absence of the Secretary, Clive ZS2RT agreed to take the minutes.

WELCOME: The meeting opened at 20:00 with the Chairman welcoming all present, especially visitors Graham ZR2GIB and Jock van Heide.

FINANCE: The treasurer reported that Branch funds currently stood at R11865.58, with R1500.00 of the 1994 AGM expenses still to be paid.

CORRESPONDENCE: A letter received from the Director Administration, Civil Defence requested that the Branch ensure that the centre is tidied up *immediately* after use.

INVENTORY CONTROL: Lynne ZS2MM said that the search for club assets is progressing well although she is still having problems locating some of the Branch's advertising banners.

BEACONS: Mike ZS2FM had volunteered his services to manage and maintain the VHF - UHF beacons. The Chairman said that the committee had unanimously accepted Mike's proposal and the general meeting confirmed the decision.

REPEATERS: It was reported that, notwithstanding a previous decision regarding the Cockscomb repeater, it had been confirmed that this repeater had been licensed for this year and that use may be made of this facility.

- The Chairman proposed that a repeater management group be formed to look after the maintenance and efficiency of the branch repeaters. He said that this portfolio was too big for one person i.e. Wolf ZS2WG to handle on his own. Toff ZS2AAW had been approached to help and had agreed. Other members and non-members who had the technical knowledge would be asked to give assistance if and when necessary. The meeting agreed to this policy.
- The Chairman proposed that the Branch adopt the National Repeater Policy as laid down by Headquarters as the working policy of the Branch. This policy grades repeaters into two groups: Wide area repeaters and Local area repeaters. Wide area repeaters are licensed by Headquarters and the Branch should have sole ownership of the equipment. Local area repeaters have a maximum transmitting coverage area of 20 kilometres with a maximum of 5 watts output. These repeaters may be owned by a Branch or any licensed radio amateur or amateur radio group. Licensing of local area repeaters should be done through

the nearest Branch of the SA Radio League. The meeting unanimously agreed that the Branch adopt the proposal and the National Repeater Policy.

GENERAL: A decision on when to visit the farm of Roger Davis would be taken later in the year when the weather is warmer.

- A discussion regarding the SARL Headquarters building fund followed with a suggestion by Garth ZS2HB that the Branch pass on to HQ all monies donated by non Branch members and other Branches for the 1994 National AGM in response to the unintended appeal in the annual subscription reminders. As the figures were not immediately available, a decision would be made at the next general meeting.

- It was also suggested that the construction of a conference centre in the Headquarters building might strengthen the arm of those who want all National AGM's held in Johannesburg. A recent AGM motion proved that most members would like to be able to attend the AGMs closer to their own regions. Another suggestion was put forward that income from hiring out the conference facility to other local Branches and private organisations would generate revenue that, *inter alia*, could stave off increases in membership fees.

- The Branch's own building project would be put on hold until an in-depth study of all the long-term costs could be made.

- Raphy ZS2SP thanked all those responsible for the compilation and editing of QSX. It was a job well done. The meeting responded with thunderous applause.

- Toff ZS2AAW said he had plans for a string of VHF repeaters to be erected along the Motor Rally route to be held during July 94. This would alleviate some of the communication problems that are foreseen otherwise.

- Mike ZS2FM asked if the UHF repeater is still operational. Wolf ZS2WG confirmed that it is on a frequency of 438.700 MHz.

CLOSURE: The meeting closed at 20:50 and members enjoyed discussing the evening's events over tea and biscuits.



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SWR BRIDGE FOR 2 METRES & BELOW

GERHARD BAUM ZS2UM

The following is a modification of a 2-Metre SWR bridge as described in the February 1992 issue of QSX. It is more convenient to use since it sports two instruments instead of one and should also show lower insertion losses. I have built this bridge myself and can assure you it works, apart from being very easy to construct.

CONSTRUCTION

In order to avoid unnecessary reflections, I did not use Coax sockets but rather a length (approximately 600 mm, not critical) of RG8U (or equivalent) terminated with PL 259 plugs. Fit these only once the cable is in its housing.

Start by removing the outer insulation of the coax for a distance of 150mm (6 inches) near the centre of the RG8U. Be careful not to damage the braiding. Next, make off one end of the cable as if you wanted to fit a PL 259 plug. Once you have access to the inner insulation, grab it there and pull the outer insulation towards the centre. This will loosen the bared braid in the centre and you can now slip two pieces of enamelled wire (approx. 0,4 mm diameter, 180 mm long) under the braid where it has been bared previously. I found it important that the two wires are on opposite sides of the centre core. Also, the lengths under the braid should be identical.

I found a needle which fishermen use to prepare live bait very helpful for this. You just tie the end of the thin wire to the end of the needle and thread this under the braid from one end to the other. Once this task is accomplished you can pull the two sections of outer insulation away from each other, thereby tightening the braid around the inner insulator.

Now trim the four ends of the enamelled wire so that only 5 to 6 mm stand proud of the braid and prepare the ends for soldering. Solder the components to the wire ends as per Fig. 2 and the component leads that need to be grounded straight to the bared braid. Keep the connections as short as possible.

There is one slight problem, namely the value of R1 and R2. This value is critical and depends on the length of the couplers. With my unit I found a value between 56 and 68 Ω most suitable but it could be anything between 47 and 100 Ω . I suggest you start off with 68 Ω but be prepared to change it or add parallel resistors, bearing in mind that R1 and R2 MUST have the same total value. Small quarter watt resistors are fine. [Don't use wirewound resistors! - Ed.]

Now is the time when the contraption must go into a metal box. I used an aluminium diecast box for this purpose and compression glands where the coax feeds through the walls. This allows large enough holes to thread the assembly through the

box in one side and out the other but be careful about the sequence of the glands and their nuts.

Once the coupler section is inside the box the connections to the meters and the box can be made and the PL 259 plugs can be mounted.

CALIBRATION

Connect a TX and a dummy load which has been measured for an SWR of 1:1 at 145 MHz to the unit. A power output of 1 to 5 W will be fine. Driving RF via the bridge into the dummy load, adjust P1 for full scale reading on the forward power meter. If the reflected power meter now shows a deflection this means that R1 and R2 are incorrect. Temporarily solder 570 Ω resistors parallel to R1 and R2 and try again. If the reflected power indication is reduced it means that the original resistor was too high. Change it to a lower value. If the indication increases, R1 and R2 must be changed to a higher value. It may be necessary to play around a bit and if the desired resistor value lies between available values then parallel resistors have to be used to get a minimum reading.

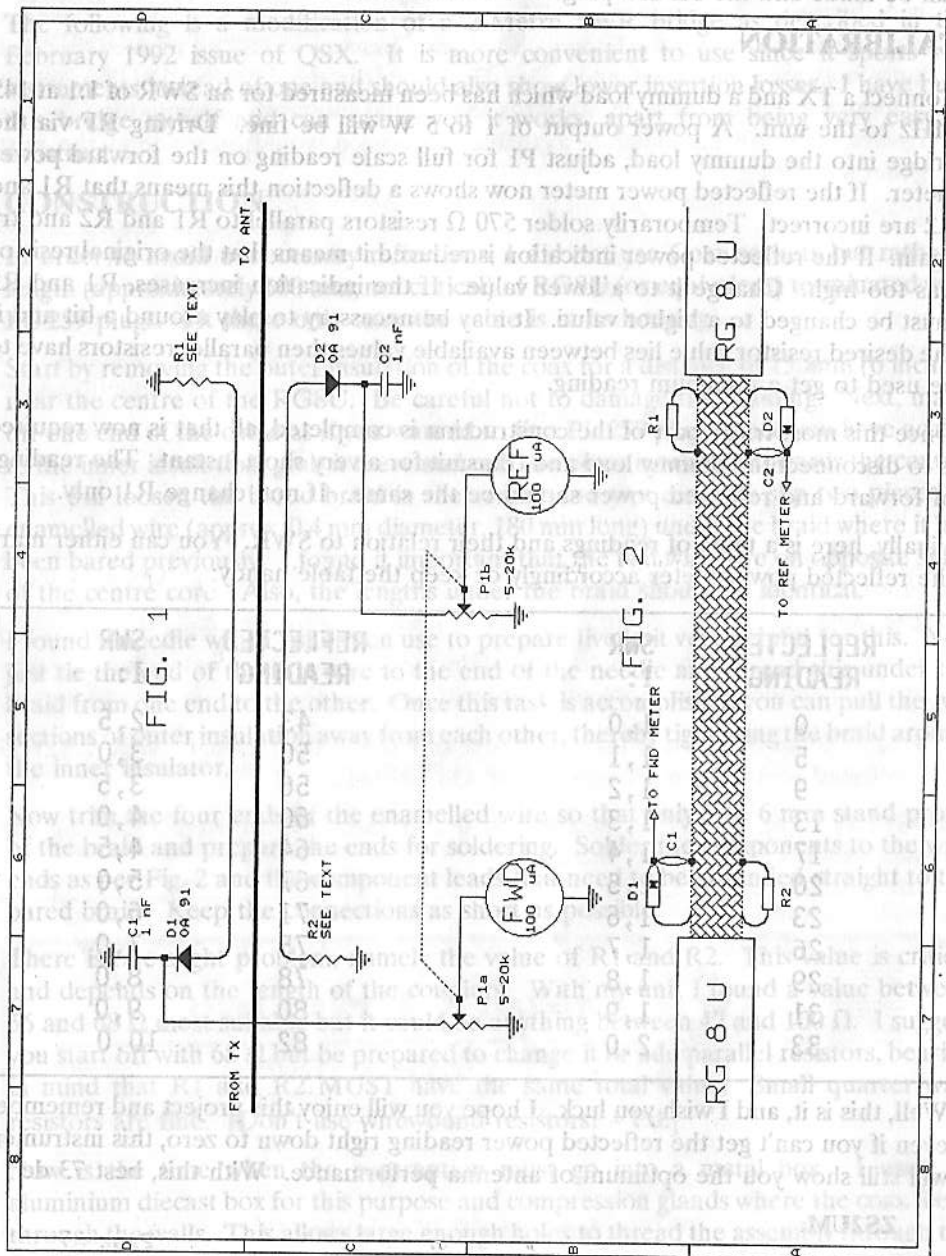
Once this most tricky part of the construction is completed, all that is now required is to disconnect the dummy load and transmit for a very short instant. The readings of forward and reflected power should be the same. If not, change R1 only.

Finally, here is a table of readings and their relation to SWR. You can either mark the reflected power meter accordingly or keep the table handy:

| REFLECTED READING | SWR 1: | REFLECTED READING | SWR 1: |
|----------------------|-----------|----------------------|-----------|
| 0 | 1,0 | 43 | 2,5 |
| 5 | 1,1 | 50 | 3,0 |
| 9 | 1,2 | 56 | 3,5 |
| 13 | 1,3 | 60 | 4,0 |
| 17 | 1,4 | 64 | 4,5 |
| 20 | 1,5 | 67 | 5,0 |
| 23 | 1,6 | 71 | 6,0 |
| 26 | 1,7 | 75 | 7,0 |
| 29 | 1,8 | 78 | 8,0 |
| 31 | 1,9 | 80 | 9,0 |
| 33 | 2.0 | 82 | 10.0 |

Well, this is it, and I wish you luck. I hope you will enjoy this project and remember, even if you can't get the reflected power reading right down to zero, this instrument will still show you the optimum of antenna performance. With this, best 73 de

SWR BRIDGE FOR 2 METRES & BELOW



REPEATER POLICY

At the General Business Meeting on Friday, 20 May 1994, members unanimously agreed that our Branch follows the National Repeater Planning Policy as determined by the National Band Planning Committee at its meeting on 13 November 1993.

For the general information of members, here follows a summary of the relevant bits of that policy:—

1. Planning should ensure that all branches of the SARL, independent radio clubs and other amateur interest groups have access to repeater frequencies. (At this stage it is not clear how non-SARL applicants are to go about applying for a licence, whether via the SARL or direct to PMG).
2. There are to be two types of repeaters - Wide Area, and Local.
3. With regard to Local Repeaters—
 - 3.1 ERP not to exceed 5 W.
 - 3.2 Antenna pattern to be adjusted so that the range does not exceed 20 km.
 - 3.3 The owner of the repeater (branch, club or individual) will be responsible for paying the licence and doing the maintenance.
 - 3.4 These repeaters will be interleaved between the Wide Area repeaters, being on frequencies 145,6125 ,6375 ,7875 MHz.

Note: this interleaving must be implemented by 31 December 1995.

4. With regard to Wide Area repeaters:
 - 4.1 They should not be the sole property of or for the sole use of an individual, or group within the general body of users; they should be owned by the majority of users. If there is more than one branch in the area of coverage, then ownership and maintenance should be a joint effort.
 - 4.2 Where existing repeaters are owned by individuals or clubs they may continue to do so with the consent of the majority of users and that of the Regional Repeater Planning Committee. (The guide-lines do seem to suggest that, where possible, negotiations should be undertaken to bring matters in line with 4.1 above).
 - 4.3 These repeaters will operate on the frequencies 145,600 ,625 ,775 MHz.
 - 4.4 The frequency of 145,700/100 shall be designated the national disaster channel. This must be a wide area repeater, and should be established in all major centres.
 - 4.4 Licences will be assigned to the HQ of the SARL, who will be responsible for paying them.

5. The department of P & T and SABS are preparing a code for the electromagnetic compatibility of repeaters on communal sites, and all repeaters at such sites will have to comply with this code.

6. All applications for a repeater frequency and licence must in the first instance be submitted to a branch of the SARL. Thereafter it goes to the Regional Repeater Planning Committee, who in turn submit it to HQ.

BEACON STATUS

MIKE BOSCH ZS2FM

The main purpose of a VHF/UHF beacon is to indicate long-distance band openings. Therefore, the antenna systems are invariably horizontally polarised. Local Tropo openings can be detected readily by 2 Metre repeaters which, of course, are all vertically polarized.

The Port Elizabeth Branch 6 Metre beacon, ZS2SIX, which operates on 50,005 MHz with 25 watts output, is still performing very well. This beacon has been heard all over the country via Tropo, Sporadic-E and Meteor Scatter propagation. It has been picked up all over the world on F₂ propagation during the peak of the sunspot cycle, and on occasions also in the Mediterranean via Trans-Equatorial Propagation (TEP).

Recently the dipole antenna of this six metre beacon was turned to face South America and Australia and provides those countries with an indicator of any possible Sporadic-E DX openings during the minimum sunspot cycle.

The 2 Metre beacon is presently being overhauled by Lionel ZS2DD, who has already reprogrammed it to key the correct and registered call sign, ZS2VHF. Since the output is only five watts it was decided to increase it with an outboard RF power amplifier which is currently under construction. A five-element Yagi antenna is also planned for the new beacon and hopefully the latter will be in full operation early in Spring.

There is a dire need for 2 Metre beacons in this country and the new PE beacon should be a real boon for amateurs in Div. 4, 5 and 6. It will enable them to monitor band openings on Tropo, Sporadic-E and Meteor Scatter. Maybe ZS2VHF on 144,910 MHz could become as famous as its sister beacon ZS2SIX!

Jupiter and the Comet

Next month we will publish an article written by Mike Bosch ZS2FM on the series of collisions that are expected to occur during July between several pieces of the fragmented Shoemaker-Levy 9

comet and Jupiter.

Many hams worldwide will be helping with communications between astronomers as they observe the event.

Bits 'n Pieces ...

- ★ We hear that Gerhard ZS2UM had a QSO with a chap in Durban on 2 metres recently, making use of unusual propagation conditions.
- ★ The FCC in the USA has fined a citizen \$2500 for violating CB rules, and also fined a well-known supplier \$20 000 for selling non-type-approved radio equipment, including power amplifiers. I wonder what fine our PMG would impose on the ZR who recently advertised on the Packet BBS network for an HF ATU and 500 watt HF linear amplifier (apparently he has an HF rig!), or on suppliers who advertise kilowatt linears in Radio ZS.
- ★ Is this the youngest DXCC member? Nine-year-old Casey Haley, AB54RG, received his certificate in April. Casey, an Extra class licensee, lives in South Houston, Texas. (I assume that AB54 is correct as received via Packet).
- ★ Refusing requests to change some Amateur Radio regulations, the FCC said that the current amateur licence requirements were the result of Commission proceedings that produced thousands of comments. "The amateur community indicated on each occasion that it strongly desires to preserve communications by telegraphy," the FCC said. Is it not the duty of every ham organisation to preserve the heritage on which our hobby was founded?
- ★ Owen ZS2AZ and Doris ZS2TL Thomas have moved to a new QTH in Lorraine. Hope you can get some good antennae up so we can hear more of you bods on the bands!
- ★ We salute Laurie Devereux ZS5DL for his thought-provoking article "Where have all the hams gone???" in the May issue of RADIO ZS. It's good to see some down-to-earth and very valid thoughts from a councillor in the light of the current trend in recruitment based on the fallacy that Amateur Radio is simply "talking to the world". The on-going attempts to reduce the age limit merely to increase the number of licensees prompted one local wag to suggest that ZR and Novice RAE lectures are not enough: we should start pre-natal RAE classes!
- ★ A rig that ZS4WA ordered from the Transvaal went astray when the delivery vehicle was hijacked. The bad news was that the driver was shot dead. Good news was that the parcel was later found and Les got his FB Yaesu FT 1 undamaged.
- ★ Vic Olivier ZS2SZ's popular morse classes on 2 metres have reached the 13 wpm level and, although some early participants have fallen by the wayside, most of the bitter-enders are showing good progress and should soon be able to upgrade to ZS status. The classes are held on the Lady's Slipper repeater, 145,700 MHz, starting at 7pm every weekday.
- ★ Vic's morse classes were all recorded and copies can be obtained by supplying sufficient C90 tapes for the speed range you require (full course = 26) plus R1,00 per tape. Contact Vic at ☎ [041] 30-2440.
- ★ Wolf now has the assistance of Toff ZS2AAW and Vic ZS2SZ on the Repeater Management Group. Thanks, chaps.

1993 Most Wanted Countries

FRED STRUTT ZS2JS

The results of the DX Magazine's 1993 Most Wanted Country survey were:-

| | |
|---------------------|----------------------|
| 3Y Peter 1st Island | ZL8 Kermadec Island |
| A5 Bhutan | XZ Myanmar (Burma) |
| 5A Libya | VU7 Laccadive Is |
| VU7 Adaman Is | VK9M Mellish Reef |
| VK0 Heard Is | 3Y Bouvet Is |
| 3V Tunisia | FR/G Glorioso Is |
| 70 Yemen | 1A SMO of Malta |
| FR/T Tromelin Is | FR/J Juan de Nova |
| VK0 Macquarie Is | FT8Z Amsterdam Is |
| SV Mount Athos | ZL9 Auck/Campbell Is |

DXpedition King W6KG Goes Silent

FRED STRUTT ZS2JS

Anyone who has been active on DX bands over the past 20 years or more will have run across Lloyd and Iris Colvin W6KG and W6QL. To quote from a QSL card from Malawi as 7Q7KG: "As of September 1990 Lloyd and Iris have worked half of the active amateurs of the world, travelled in 209 countries, received and filed alphabetically 650 000 QSLs (the largest such collection of QSLs in the world), worked DXCC under 110 different callsigns and hold 400 awards."

Sadly this fine partnership has finally come to an end, Lloyd passing away in Istanbul during their most recent DXpedition on 14 December 1993, aged 78, following a massive stroke.

Many HF operators will certainly miss Lloyd and remember his and Iris's operations with gratitude.

Apology

On page 2 of the May issue of QSX we erroneously stated that Phil, ZS2PP had cast nasturtiums at ZS2HB about his Baycom modem's cardboard 'enclosure'. We unreservedly withdraw the statement and apologise to Phil for any humiliation it may have caused him. In fact, it was *geraniums* that Phil threw when they failed to produce the expected crop of transistors.

CRYPTIC CODE SOLUTION (May QSX)

Across: 1 Fade, 2 Lug, 3 Satin, 4 Brie, 5 Safe, 6 These, 7 Ergo, 8 Manx,
9 Fain, 10 Ripe.

Down: 1 Vend, 2 Left, 3 Bear, 4 Heel, 5 Urge, 6 Year, 7 Gift, 8 Rennet,
9 Pike, 10 Head.

We didn't hear of anyone successfully completing the puzzle, so we'll try another one later.

Stolen Rig

Martin ZS2ML recently had the misfortune of losing a rig, which was stolen from the PE depot of the firm responsible for delivering it to him from Johannesburg. If you hear of a Kenwood TS 930 being offered for sale or swop, please let Martin know. It might just be his stolen unit.

Subscriptions Due

You have no doubt received your subscription reminder by now and noticed the Branch levy of R5.00. This levy was decided upon at a general Branch meeting last year to offset the rising cost of producing QSX every month rather than reduce it to a bi-monthly newsletter or scrap it altogether - perish the thought!

You will have noticed that your favourite newsletter arrived without an envelope this month. No, it wasn't pinched. Vic noticed others using this method of posting and decided to try it. If there are no problems with delivery, it will be adopted as a permanent arrangement.

International Reply Coupons (IRCs)

Avid DXers often receive IRCs from foreign stations to cover the cost of postage for a return QSL card. However, South African hams have not been able to exchange IRCs for stamps at the Post Office for many years, ever since the Universal Postal Union

expelled South Africa as a member.

We understand that the New South Africa has already taken steps to rejoin the UPU, and we can expect IRCs to soon be accepted at Post Offices throughout the Country once again.

South Africa was not expelled from the International Telecommunications Union but has not been allowed to attend any of its meetings since the early 1970's. This has changed, and the RSA will again soon be taking an active part in all the deliberations of the ITU. This, as you doubtless know, is the body that deals with telecommunications and radio matters, and it frames the International Radio Regulations on which our own local Regulations are based. In the meantime, South Africa has had to participate by correspondence.

Blind Packeteer

Last month we mentioned the British ham who, although blind, got going on packet. Raphie, ZS2SP, received the following news from GITKT, whose name escapes us: "The 2mtrs is a Kenwood 751a multimode, pwr 5 and 25 watts, the 70cm rig is a converted PMR Maxon 150 16-channel, power out 15 watts. My computer is an Atari, packet is a Baycom type modem running Ingocom software through a 5/8 ground plane antenna I built myself. For SSB on 2mtrs I use a 12 element ZL. This I also built and finally the 70cm antenna is again a homebrew colinear. The only other thing that makes the station is the talking typewriter program...written by a friend. It is very basic and allows me to write only 19 lines of text before I have to save to disc...". *That's deursettingsvermoë!*

Silent Key...

We were sorry to hear of the passing on 11 May of OM Max Levin ZS2HR of Queenstown, one of the 'Old Brigade' and something of a 'character' in amateur circles on the Border. Our condolences go to his family.

Congratulations...

Birthdays

June

- 25 Lionel Wrangmore ZR2AAJ
Robert Bosch ZS2-277
Terence Flanagan ZS2ABB
- 26 Ben Taljaard ZR2CS
- 27 Robert Pokorny ZS2ABJ
- 28 John Gohl ZS2-268

July

- 1 Eddie Tunbridge ZR2EKT
- 3 Julie Scarr XYL of Trevor ZS2AE
- 4 Paddy Furlong ZS1GPF
- 5 Piet de Jongh ZS2NQ
- 7 Jim van Loggerenberg ZS2LR
Werner Ahlers ZS2WA
- 9 Lambert le Doux ZS2LL
- 11 Isaac Greeff ZR2Z
Hettie Taylor XYL of Gerald ZS2AAX
- 16 Sel Staples ZS6SS
- 17 Elsa Schilder XYL of Ben ZR2ABE

Anniversaries

June

- 19 Ben and Elsa Schilder ZR2ABE
- 26 John and Mandy Masters ZS2AAN

July

- 4 Marge ZS2OB and Brian ZS2AB Weller

July (cont'd)

10 Ruth and Walter Bodmor ZR1WB

New Callsigns, RAE Successes

Megan Hart, of Uitenhage, is now ZU1MH. Congrats, Megan!

Haven't heard any results of the RAE yet, nor any other callsigns reported. Heard the tail end of a QSO with ZS2WP, who I was unable to identify. Is this Johan, ex ZR1WP? Do let us know when you receive good news - *please!*

Farewell

We hear that Karl ZR2KA is leaving for Johannesburg while Simone ZS2YL and Keith Olivier ZR2AAX have moved to Mossel Bay. Good luck in your new surroundings, all of you.

In & Out of the White House

Peter ZS2T (heart), Jack ZS2KU (accident - bust left femur, dislocated left arm, hole in right leg). I would have simply thrown him away, but the doctor needed the practice and Jack's getting it all together again..

Good Work! David Butcher ZR2DCB obtained a distinction in the N1 exam in March, achieving no less than 99% in Engineering Science! Fantastic, David. Keep it up! 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 |

Sunday Bulletins

Branch bulletins are transmitted on Sundays immediately after the Headquarters English transmission, i.e. at about 09:45, on 7098 kHz (40 metres) as well as on 145,700 and (courtesy of ZS2ABZ) 145,750 MHz in the 2-metre band.

| DATE | COMPILE, READ & CALL-INS ON 145,700 | PE BULLETIN TRANSMIT ON 40 m | CALL-INS ON 40 m |
|---------|-------------------------------------|------------------------------|------------------|
| 12 June | ZS2SZ | ZS2SZ | ZS2ML |
| 19 | ZS2RT | ZS2RT | ZS2RS |
| 26 | ZR2PF | ZS2SL | ZS2SL |
| 3 July | ZS2WG | ZS2WG | ZS2RL |
| 10 | ZS2ML | ZS2ML | ZS2H |
| 17 | ZS2RS | ZS2RS | ZS2MM |

★ We Like Being Your Branch ★