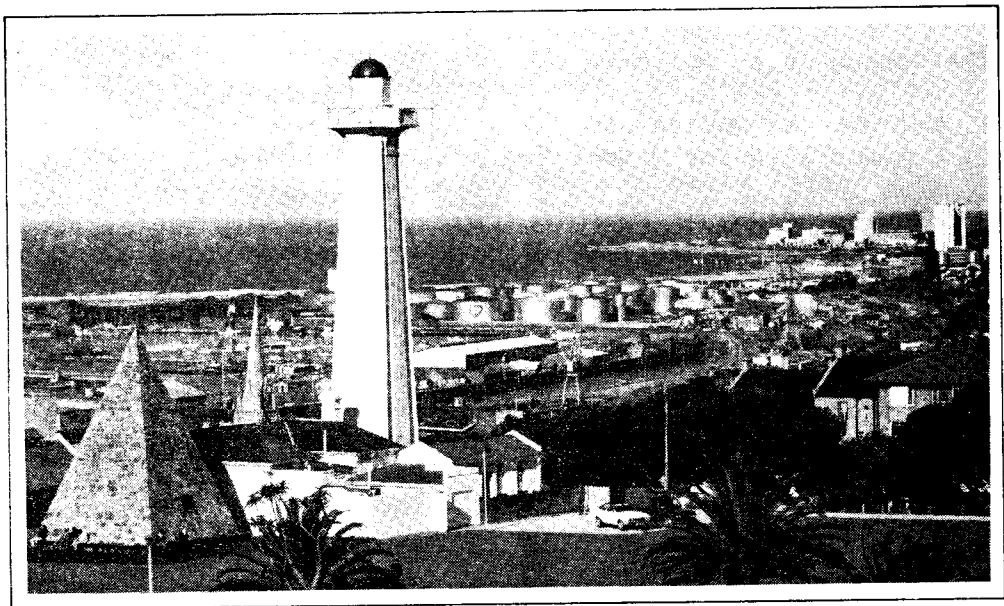


Q S X P E



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

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ANNUAL GENERAL MEETING ALGEMENE JAARVERGADERING

The Annual General Meeting of the Port Elizabeth Branch of the SA Radio League will be held in the Civil Defence Centre, Westview Drive, Mill Park, Port Elizabeth on Friday, 20 September 1991 commencing at 19:00.

Die Algemene Jaarvergadering van Tak Port Elizabeth van die SA Radioliga sal om 19:00 op Vrydag 20 September 1991 by die Burgerlike Beskermingsentrum, Westviewrylaan, Millpark, Port Elizabeth gehou word.

The Agenda is as follows:

Die Agenda is soos volg:

1. Welcome and Apologies
2. Commemoration of Silent Keys
3. Minutes of Annual General Meeting, September 1990
4. Adoption of Chairman's Report
5. Adoption of Financial Statement
6. Presentation of Trophies
7. Election of Committee members
8. General.

1. Verwelkoming en verontskuldigings
2. Herdenking van Stilsleutels
3. Notules van Algemene Jaarvergadering Sept. 1990
4. Aanvaarding van Voorzitster se Jaarverslag
5. Aanvaarding van Finansiële Staat
6. Toekenning van Trofee
7. Verkieping van Komitee-lede
8. Algemeen

Invitation to attend the BRANCH ANNUAL GENERAL MEETING

An invitation is extended to members and their families to attend the Annual General Meeting of the Port Elizabeth Branch on Friday, 20 September 1991 at the Civil Defence Centre, Westview Drive, Mill Park, Port Elizabeth at 17:00.

The meeting will be followed by a social get-together. The Branch will provide items such as peanuts, potato crisps, an assortment of wines, tea and coffee and also cups, saucers and cardboard plates. Members are requested to bring a small plate of snacks and any stronger beverages that they require, as well as their own drinking glasses.

Please let Marge know (tel. 31-1639 office hours or 30-3498 after hours) if you will be attending.

**MINUTES OF THE ANNUAL GENERAL MEETING
of the Port Elizabeth Branch of the S.A.R.L.
held on Saturday, 8 September 1990 at the
Kabega Scout Hall, Port Elizabeth**

PRESENT: 27 members and visitors
APOLOGIES: As noted in register.

WELCOME: The Chairman welcomed all to the meeting and extended a special welcome to Johanna and Gerhard Baum ZS2UM and Louis Saunders ZS2CB. A letter was read from the President of the League thanking us for our invitation but apologising that he was unable to attend the meeting.

The meeting stood in silence to commemorate the members who had gone Silent Key during the past year - Basil Gibson ZS2PG, Barry Guthrie ZR2DN and Wilf Lachenicht ZS2GR.

MINUTES: The minutes of the 1989 AGM, having been printed and circulated in QSX-PE, were taken as read, proposed by Julian ZS2AAV and seconded by Owen ZS2AZ.

CHAIRMAN'S REPORT: The Chairman said that, although her report had been printed in QSX-PE, she would like to add a few words of thanks to: Colin ZS2AO as Librarian, Gus ZS2MC who was presented with a gift for being Auditor, Vic ZS2SZ and Athol ZS2CM for organising the DF hunts, Al ZS2U for his Hamnet co-ordination, to all those who had worked for the Marconi Day exhibition and especially to all the members for attending the meetings and their friendship and camaraderie.

The Chairman's report was then accepted: Proposed by Garth ZS2HB and seconded by Lynne ZS2MM.

FINANCIAL STATEMENT: Thanks were extended to Colin ZS2CTR for his sterling work as Treasurer. His inside knowledge had resulted in the lowest bank charges but the highest interest.

The Treasurer's report was then accepted: Proposed by Julian ZS2AAV and seconded by Garth ZS2HB.

QSX-PE - EDITOR'S REPORT: Thanks were extended to all those who had contributed to the compilation and publishing of QSX-PE and a special word of thanks to Robin and Sylvia Dunstan of Instant Printing who were always willing to help.

Raphy ZS2SP expressed his appreciation to the Chairman and Committee for all their hard work during the past year.

REPEATER REPORT: Thanks were extended to Trevor ZS2AE and Toff ZS2AAW together with the Repeater Working Group for all their efforts during the year. Colin ZS2CTR stated that he had received a call from the Chairman of the Cape Town Branch re the repeater link. They were very keen for it to be completed.

PRESENTATION OF TROPHIES: The Chairman said that there had been no takers for several of the Branch Trophies but if

Minutes of 1990 AGM (cont'd)

members wished to apply for these, all they had to do was to contact the committee with their applications. The VHF Trophy was awarded in absentia to Hannes ZS2BE. The Ham Spirit Trophy was awarded to Bill ZR2AAN who had enthusiastically joined in all Branch activities for several years and is a credit to Amateur Radio.

ELECTION OF NEW COMMITTEE: At this stage, the Chairman Marge ZS2OB declared the Committee disbanded and stood down from the Chair. Garth ZS2HB thereupon took the position of Honorary Chairman. He thanked Marge for a job well done and called for nominations for the position of Chairman for the ensuing year. Marge ZS2OB was nominated by Dick ZS2RS and unanimously re-elected.

Marge once again took the chair and thanked the members for their confidence in her and promised them an even better year for 1991.

Nominations were then called for election of Committee members and the following resulted:

The Committee would be as follows: Lionel ZS2DD, Garth ZS2HB, Vic ZS2SZ, Colin ZS2CTR, Al ZS2U, Lynne ZS2MM, Viv ZS2VM, Bud ZS2CA. At this stage it was proposed that the call for nominations cease: proposed by Dick ZS2RS and seconded by Julian ZS2AAV.

Marge outlined the requirements of a Committee member and said that official positions would be clarified at the first Committee meeting.

CORRESPONDENCE:

- (a) Alcom/SAARDT were offering a bursary of R3500.
- (b) Field Day takes place on 16/17 November.
- (c) A construction competition is being run by SAARDT.
- (d) JOTA will be held on 20/21 October. It was proposed that we try to use the St. Columba's Church hall for JOTA. Final details later.

GENERAL: Owen ZS2AZ felt that it was time to push for new membership. The Branch should draw up a circular to send to schools, clubs, etc. This would promote the new Novice Licence. Marge said that she had contacted the editor of one of the free weekly papers in this regard.

The meeting closed at 16.25 and members enjoyed a social get-together and braai.

M.T. WELLER ZS2OB
CHAIRMAN

R.W. SCHONBORN ZS2RS
SECRETARY

CHAIRMAN'S REPORT 1990-1991

We come to the end of another successful year for the Port Elizabeth Branch. For this I must thank the enthusiasm and dedication of the Committee members and the involvement and commitment of the members, especially those not on the Committee but who were involved with the organisation of various functions during the year.

The Branch gained many new members but unfortunately lost three. We were sad to have to announce that Hugh Robb ZS2RB, Cliff Kwong See ZS2CKS and Fred Friskin, one of the oldest members, all went Silent Key. Also we heard of the passing of Audrey Burrell, the XYL of the late Frank ZS2CY, one of the stalwarts of the Branch.

The meetings held at the St. Martin's Church Hall were exceptionally well attended and we were entertained with many and varied items, such as a talk and slide show on SANAE, Interference problems, Airplane radio and DF equipment, DF Hunts, NASA survival exercise, a quiz, to name just a few. A move to the Civil Defence Centre in Mill Park has proved satisfactory and pleased many who live close to that area, and we will probably continue to use that venue as long as we can.

Several events of interest during the year were: the visit of Reno ZS6OF, the President of the League, who was right royally hosted by Raphy ZS2SP; the Field Day contest where we set up two stations and which was won by the Branch; JOTA, this being the first occasion when the Scouts and Scouters could actually talk and attracted a lot of interest; the fantastic stand at the Bathurst Show organised by Phil ZS2PP and Al ZS2U, and which also drew much attention and many visitors as well as help and equipment from Port Elizabeth; Marconi Day exhibition at Alexander Road School; the Algoa Volkswagen Rally, which involved many hours of preparation by Bud ZS2CA, Al ZS2U and Gerhard ZS2UM and operators on both days; DF Hunts organised by Vic ZS2SZ and Athol ZS2CM on Sundays during the warm weather; the Hamnet Simulated Emergency Contest organised by the Branch and which attracted much interest from most Divisions.

Technical lectures were held for several groups and various sections were handled by those most proficient in their field. Several new licences were granted, including the first Novice in this area, Brendan Robertson, as well as several XYLs and YLs. Many thanks to those who were involved in the preparation and lecturing, such as Viv ZS2VM, Bud ZS2CA, Garth ZS2HB, Vic ZS2SZ and Colin ZS2CTR.

QSX-PE this year was a publication worth reading and thanks go to Garth ZS2HB and his Committee for their outstanding work. Contents ranged from technical to building projects and articles of general interest. Keep up the good work. Mike Bosch ZS2FM has been appointed as the League VHF Co-ordinator and we are sure he will continue with his usual enthusiasm and dedication in this sphere.

Chairman's report (cont'd)

The Packet Bulletin Board system was set up on the Ladies Slipper by Lionel ZS2DD and Andre ZS2BK and once final tests are done to the satisfaction of higher authorities, it will be in full operation. Al ZS2U continued his good work as Regional Director for Hamnet. Trevor ZS2AE and his willing band of helpers were once again involved with the efficient operation of the Branch repeaters and we must thank Mike Poulter for his help while Trevor and Julie were enjoying an overseas holiday. A Technical cum Natter Net was started on a Tuesday evening on local repeaters and attracted quite a lot of interest.

I would like to once again thank the members for having me as Chairman (Chairperson/Chairlady) this year. I have enjoyed it, especially as everyone on the Committee really pulled their weight (?) and left me with just my job to do. We are sorry to lose Lynne ZS2MM as Secretary but thank Colin for standing in. Colin is also standing down as Treasurer for the coming year, so we will need some more Committee members. And last, but certainly not least, my thanks to all the members of the Branch, without whom none of the above would have been necessary! Thank you for coming to meetings, thank you for your unstinting help when it was required, for your continued friendship and enthusiasm for our great hobby. Long may it continue.

God bless you and your families and 73/88 from
Marge Weller ZS2OB

CHAIRMAN CHANGES SHACK & SHOP QTH — AND SPOUSE TOO!

Our Branch Chairman, Marge ZS2OB, is in the throes of changing not only her residential QTH but also that of her business (Slimwell Slimming Club cc) to a new address at 35 Pickering Street, Newton Park. Her OM Brian ZS2AB is moving to the new premises also, together with his business, Computer Technical Engineering.

Slimwell has already relocated but Brian's business will make its move towards the end of September. The domestic move will take place only after the new QTH has been altered and painted to satisfaction.

Marge's business telephone number is now 31-1639 and this will also be Brian's new office-hours number after his business relocates. Meanwhile, their home telephone number 30-3498 remains unchanged.

There is no truth in the rumour that, by getting the two businesses together, Brian and Marge plan to produce thin computers, although we understand that Marge would like to do something about Brian's floppy drive.

STATEMENT OF INCOME AND EXPENDITURE FOR THE PERIOD 1990.07.01 TO 1991.06.30

Income

BALANCE B/FORWARD	3 970,50
HQ Share Subs	5 274,00
Branch Share Subs	1 632,75
Interest on Invest	858,79
Donations	329,50
Teas	130,51
Numbers Draw	110,00
Log Books	51,50
Repeater Guides	67,00
Car Stickers	45,00
Award Fees	6,00
Algoa Rally Assn	1 814,30
Reimb. Unpaid Chq	42,50
Refund Licence Fees	30,00
Sale of PSU	10,00
Books	697,00
1994 AGM Fund	146,00
Overdeposit - Contra	15,00

BALANCE C/FWD REPRESENTED BY	
Savings Account R	884,15
Fixed Deposits	3 188,10

TOTAL	R 4 072,25


R 15 230,38
=====

Expenditure


HQ Share Subs	5 274,00
Electricity	166,58
GSX Float	1 274,01
FBBS & Rptr Exp	379,10
Field Day Mast	89,40
Repeater Guides	55,00
AGM Expenses	677,94
Stat & Petties	81,98
Books & Magazines	968,00
QSL Cards	169,50
Rally Insurance	175,00
Short Loan Charges	41,52
Hall Hire	100,00
Dinner Expenses	30,00
Bathurst Show Stand	130,00
Novice Books Copying	70,00
Returned Cheque	57,50
PO Box Rental	15,00
Committee Braai	40,00
Rally Reimbursals	1 264,30
Batteries CW Osc.	5,42
Licences	54,00
Notice - ZS2CK5	24,88
Refund of Overdeposit	15,00
BALANCE C/FORWARD	4 072,25

R 15 230,38
=====

Certified a true extract of the books of the SA Radio League
Port Elizabeth Branch.



ZS2CTR
TREASURER

 ZS2MC.

HON. AUDITOR

MOTIONS FOR 1992 AGM

Motions for consideration at the 1992 annual general meeting of the League have to reach Headquarters by 31 October this year. This means that any items that you would like to have included in the agenda will have to be discussed at our October general meeting if they are to go forward as Branch motions.

Please discuss any ideas you have with other members, draw up your motions with short motivations, and pass them to the Committee early.

2 more Cheap & Simple VHF Antennas

for the VHF FM QSO Party

by Bud Voortman ZS2CA

2 METRE SLIM JIM 'BEAM'

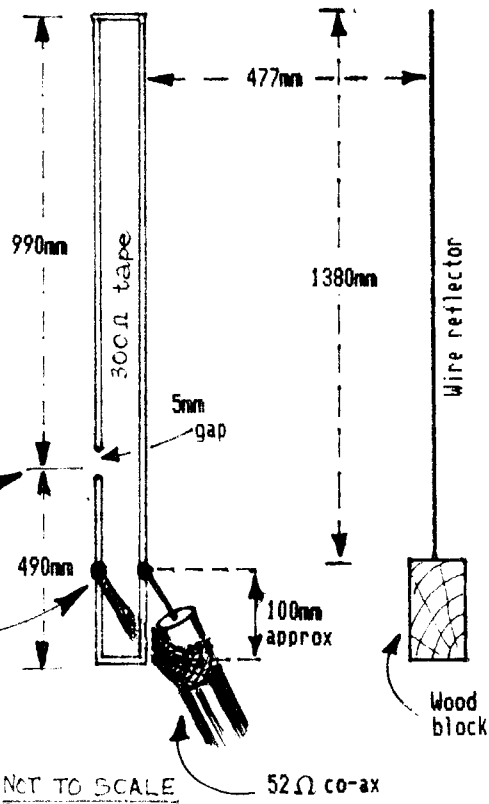
(SLIM JIM + REFLECTOR made out of
300 Ω tape and wire)

Attach the Slim Jim and the wire reflector to lengths of white electric conduit with white insulating tape (black tape and conduit contain carbon) - or mount inside conduit and seal with end caps.

If made with plastic conduit get elbows and add tubing to mount the reflector. For portable operation you can mount the beam on old speaker magnets on roof of car

Fill this gap with small piece of plastic/rubber tube, or tape over it

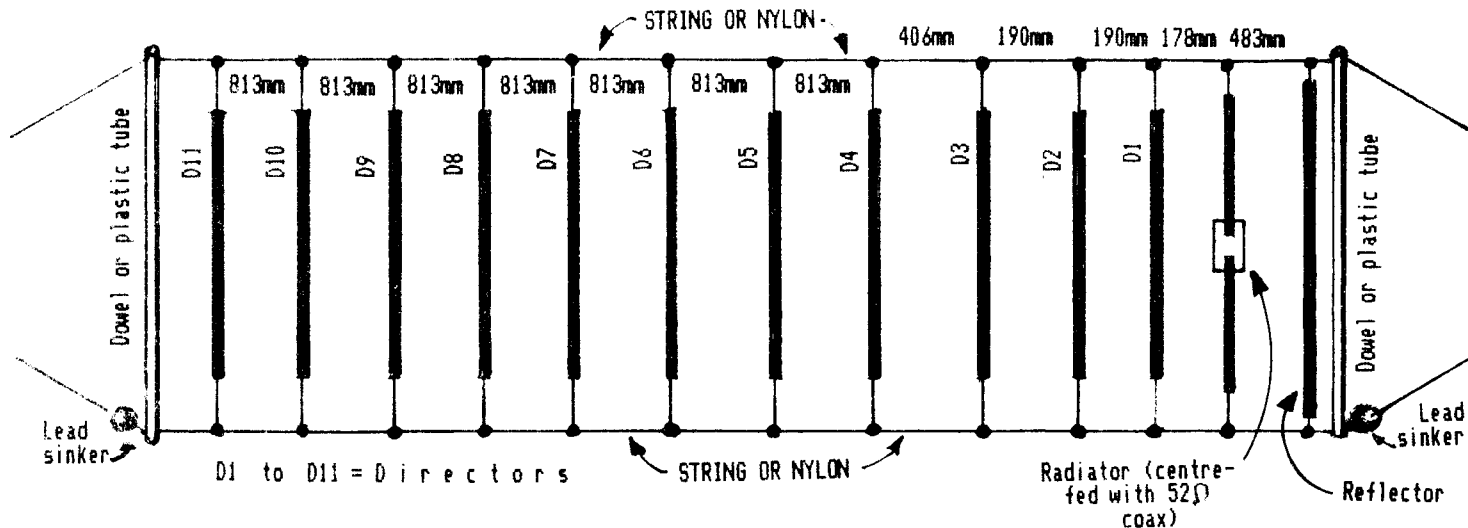
Adjust feed point for lowest SWR (push pins into the tape initially)



STRING & RIPCORD 2M YAGI

>11dB gain

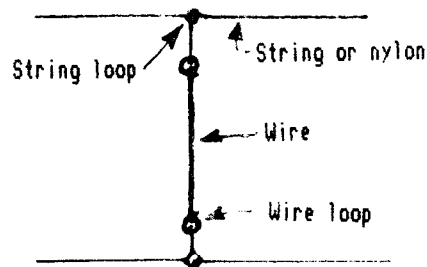
EASY TO ROLL UP AND PACK AWAY!



Elements can be coat-hanger wire with small loops on ends or simply ripcord tied to the string. Hang vertically between two trees or poles.

All directors are 933mm long,
Radiator is 978mm long,
Reflector is 1041mm long.

Above dimensions are for 144-145 MHz. For 145,500 MHz centre frequency, reduce all element lengths by 6mm.



BUILD ONE THIS WEEKEND : BE READY BY 5 OCTOBER

VHF FM QSO PARTY: Oct. 5-6

by Mike Bosch ZS2FM

Considerable interest is being shown in the Port Elizabeth Branch's VHF FM QSO PARTY, which has been scheduled from 14:00 SAST on Saturday, 5 October until 14:00 SAST on Sunday, 6 October. Details of this event appeared in the August edition of RADIO ZS, and were also featured on Radio Mirror and the Headquarters bulletin. In the meantime Bud ZS2CA alerted all the branches of the SARL. [Hey, ou Mike, we had the details in the June QSX-PE too man - Ed.]

Since most amateurs are equipped for 145 MHz FM operation, we could expect far greater activity on this band from local as well as surrounding areas. John ZS2AH, who is well equipped for two metres, will be looking for Port Elizabeth and Durban contacts on simplex or repeater. Please note that simplex channels are from 145,200 MHz to 145,550 MHz, with main activity centred on 145,500 MHz.

Thus far the following amateurs have promised to participate on 51 MHz FM, so keep an eye on 51,400 MHz and also on 51,500 MHz for long distance QSO's:

MID-ILLOVO: Craig ZS5AV
EAST LONDON: Jack ZS2CI, Erich ZS2EF, Gennie ZS2FF
KOMGA: Willie ZS2OW
KING WM'S TOWN: Neville ZS2NR
BATHURST: John ZS2J
HUMANSDORP: Van ZS2JC
UITENHAGE: Sakkie ZS2ID. (Jim ZS2LR would like to be on - needs 6m rig)
PORT ELIZABETH: Andre ZS2ACP, Hannes ZS2BE, Bud ZS2CA, Lionel ZS2DD, Mike ZS2FM, Johan ZS2HH, Graeme ZS2OD, Vic ZS2SZ, Al ZS2U, Viv ZS2VM.

Several Transvaal amateurs will also be looking for long distance contacts with us on 51 MHz FM. They are: Bert ZS6HS, Servaas ZS6XL, Ivo ZS6AXT, Braam ZS6AYE, Etienne ZR6EMN, etc. Field stations are to be encouraged and we believe that Al ZS2U, Bud ZS2CA and Andre ZS2ACP may set up stations in different grid squares.

SO PLEASE COME AND JOIN US FOR SOME VHF FUN, AND LET US PUT PORT ELIZABETH ON THE VHF MAP BY MAKING THIS A SUCCESS AND POSSIBLY ALSO AN ANNUAL EVENT!!!

73 de ZS2FM

JOTA : 19/20 OCTOBER

The annual Jamboree on the Air will take place over the weekend 19/20 October. Dick Schonborn, ZS2RS, has undertaken to organise the Branch's JOTA activities again this year and he writes:

"As usual we will be setting up a station under the call sign ZS2JAM and operating from GILSANDS on the Schoenmakerskop road. We hope to operate from about 9 am on the Saturday until after lunch on the Sunday, depending on conditions. As usual too, we will require assistance with both the setting up and taking down of the station. Operators will also be required for the duration. With so many new members in the Branch I am hoping to see many new faces on the day."

Local hams who can help Dick are asked to let him know. The more there are, the greater the enjoyment. Please listen to Branch bulletins for more information as the time approaches.

The National JOTA Organiser, Ossie Carstens ZS1DZ, has appealed to Scout and Guide bodies to make early contact with amateurs in their areas with a view to setting up special JOTA stations or participating in JOTA from their home stations. In many cases, however, they may not know where to start looking for hams so it might be more practical for interested amateurs to approach the Scouts and Guides nearest to them and offer their services.

Ossie has asked that all participating stations (or the Scout/Guide groups at such stations) send a report on their activities to their Area organiser, who will extract interesting items for inclusion in a report to the World Scout Bureau in Geneva on highlights of the South African JOTA participation.

Finally, please remember to let the QSL Bureau know of any special call sign that you use - not only for JOTA but also on any other occasion.

CW AWARD FOR NOVICES

The Port Elizabeth Branch has decided to issue a certificate for Novice licensees who show proof of having established two-way contact with fifty other stations (all classes, local or DX) using morse code only. The use of computers and similar equipment to generate and/or decode the morse signals is not permitted, i.e. the operator must use a morse key for sending and must decode the incoming signals manually.

The full set of rules regarding this certificate will be determined soon and will be published in QSX-PE.

GLUE GUNS DON'T JUST GLUE!

by Garth ZS2HB

Have you often seen glue guns at the hardware store but walked on, arguing 'How often do I want to stick wires to my walls anyway? Staples are just fine.' I did but, ever the sucker for gadgets, I succumbed a year or so ago and, since then, I've used my glue-gun to:

- Make non-skid, non-scratch feet for my bug key, a computer monitor and various other items;
- Fill a PL259 with glue to support a 1/4-wave rod forming an antenna for my handheld. (It works so I guess the glue's a fair insulator at VHF!);
- Put a blob on the tip of said antenna to prevent poking eyes out (I first gave the tip a slight kink to prevent the glue from dislodging);
- Form a blob where twin-flex separates into individual leads, to stop it splitting apart further;
- Put a blob around soldered connections inside mini jack plugs to prevent shorting and breaking if mishandled;
- Form a long, tapering blob to minimise flexing and relieve strain on wires exiting from plugs and equipment;
- Attach a socket to a Nicad battery pack for charging and power take-off (Yes, I soldered the wires);
- Seal hole where coax enters an antenna connector box;
- Seal end of coax where it joins dipole elements;
- Repair holes in cat's rusting water dish.

The most unusual job I've done with my gun was surely to draw out the hot glue into cobweb-thin 'threads' to replace broken cross-hairs in a telescopic sight for a rifle.

And believe it or not, I've even stuck a couple of metres of cable to my kitchen wall with the thing!

The shortest English sentence yet devised to include all the letters of the alphabet is said to be

JACKDAWS LOVE MY BIG SPHINX OF QUARTZ

There are those among us who prefer the runner-up:

PACK MY BOX WITH FIVE DOZEN LIQUOR JUGS



Instant Printing

TELEPHONE 552614

9 ST. PATRICK'S RD
PORT ELIZABETH
2001



FOR ALL YOUR COMMERCIAL PRINTING REQUIREMENTS

TRY US FOR YOUR QSL CARDS!

X Report from the Editor X

My year's term on the Committee is drawing to a close and, with it, my stint as Editor of our Branch newsletter QSX-PE. It is time, therefore, to thank all those who provided interesting articles for publication. Although it is unwise to single out individuals I do think that special mention needs to be made of Phil Hopper ZS2PP, whose excellent story on his Simple Simon Seven direct-conversion receiver produced many months of discussion and construction not only within the Branch but throughout the Republic and beyond.

Several articles from other members have not yet been published but almost without exception they have been placed on record for future use. I trust that non-publication of their material does not put contributors off submitting further items.

I must also thank my colleague on the QSX sub-committee, Viv Moore ZS2VM, for his untiring efforts in locating good technical material, often also preparing it for direct pasting-up of the pages for printing. I always looked forward to my visits to INSTANT PRINTING. Thank you, Sylvia and Robin Dunstan, for going out of your way to help me meet my deadlines.

Finally, my thanks to those who let me know when they enjoyed an issue of QSX. I trust that nobody ever found the newsletter boring or unduly staid, remembering that, after all, high-class technical publications should be serious.

Very 73,

Garth ZS2HB

FOXXY RUGZ'S BACK

A while ago we brought you the fascinating story about how Foxy Rugz was reminded where his family came from when he went to see his Auntie. This might be the last opportunity to quench your burning curiosity so we thought it well to record the fact that the whole Rugz family didn't leave Persia/Iran (EP 1 country), nor did all those who left EP 1 emigrate to South Africa.



One branch remained behind while others settled in numerous places abroad, including India, Canada and Israel, to mention just two. Many of the branches produced hams but the two operators in Iran didn't last long: when EP1TAF went silent-key unnaturally, his cousin EP1LOG quickly decided to go QRT too.

The Indian Rugz turned out to be the black sheep of the family and, in general, hams tend to avoid contact with VU1LIS. The group in Israel got the cold shoulder when they applied to import what they described as "homebrew ham goods". The Canadian, VE1ERA, became well known in Port Elizabeth, although people tend to get his call sign wrong. The one who emigrated to France obtained the call sign FØOLS. He soon went bankrupt but nevertheless lived to a ripe old age, giving rise to two well-known adages: (a) FØOLS and money are quickly parted and (b) Old Rugzz never die, they just lose their piles.

EDITOR'S NOTE - Ridiculous stories such as these are supposed to have a hidden message to readers to compensate for lowering the tone of the publication. Foxy Rugz deliberately omits messages in case they constitute third-party traffic, for which he has not taken out a special licence.

This 'n That

Have you thought about donating, say, R2 per month towards our fund for hosting the League AGM in Port Elizabeth in 1994? Dick, our AGM Organiser says he is grateful for donations already received and also for promises of contributions at a later stage. However, what we have is not enough and, of course, money up front also earns more interest for us in the meantime.

The map provided last month to help you find the Civil Defence Centre showed a nearby street as ARK ROAD. It appears as such in the official PE street map - it's even in the index - and I understandably assumed the name had something to do with the fact that one goes down thither en route to Bud's shack. To my surprise, subsequent on-site inspection showed a standard street sign saying sassily "MILL PARK ROAD". If anyone is still driving around looking for Ark Road, GO HOME! The meeting's over!

You have no doubt heard that, when the commercial sections of the Department of Posts & Telecommunications are privatised in a few weeks' time, the telecommunications wing will become TELKOM SA LTD (Telkom SA Bpk in Afrikaans). However, Telkom will no longer be the radio licensing authority. This activity must of necessity remain the domain of a governmental body (e.g. the FCC in the United States). No finality has been announced as yet regarding the future constitution of SAPO's Radio Branch, which administers the Radio Act at present.

As this issue is being 'put to bed', the Field Day contest is in full swing. No doubt your new Editor will give a rundown on the events in the next issue of QSX-PE. Meanwhile, goferit PE - As Foxy says in his native tongue: UNO Yukon Duet! Soda we!

Have you renewed your SARL membership for 1991/92? I won't be able to remind you again about it, so please see our Treasurer, Colin ZS2CTR without further ado. Remember, you can pay your subs in instalments if this is more convenient. Colin will be happy to arrange it for you and the Branch would sincerely like to have your continued association and support.

In the middle of 1990, there were 1 027 101 licensed amateur stations in Japan. The number increased by 12% over the previous year. According to my calculations, at that rate they will have passed the 2 million mark by 1996 and, by the turn of the century, there will be (ignoring the decimal parts) 3 190 019 hams in Japan! Jam-packed in the cities, they will probably need to rotate their beams according to a roster to avoid entanglement.

Being smart little okes, however, the JARL will surely figure out a grid system to allocate different heights for adjacent amateurs' beams or have beams restricted to one per so-many square metres. To this end, maybe they'll get the Authorities to force owners to take out special licences, allocating special call signs for beams in the JU series for easy identification.

Condolences... Our sincere condolences are extended to Ken Victor ZS200 and family, who lost his mother recently, as well as to the families and friends of OM Fred Friskin and Audrey Burrell (XYL of the late Frank ZS2CY), who both passed away last month.

Congratulations... to the celebratees of the next four weeks or so, namely:

Birthdays - September: Breda Dreyer ZS2DR (24th); Modesty prevents me from mentioning my own on 26th; **October:** Renee Olivier ZR2ABD (2nd); Colin Ashwell ZS2AO (6th); Francis Roberts ZS2HE (7th); Peet van Heerden ZS2BX (13th); Pat Elliott (ZS2TJ) (17th)

Anniversaries - October: Susanna and Mike Bosch ZS2FM (3rd); Annalene and Breda Dreyer ZS2DR (6th); Iona and Eric Gertenbach ZS2CV as well as Kay and Fred Strutt ZS2JS (9th)

to new licensees Donovan van Loggerenberg ZS2DL, who displays a VFB CW fist; Joan Bowles ZR2ABA and Andrew Bowles ZR2ABB (thought we'd missed a couple of calls in the series last month)

to Jimmy Hoole, who rushed through his 12 wpm morse test with flying colours, sending clean CW at 16 wpm and has received the call sign ZS2ABM.

to O-o-o-o-ld Man Ken Tremeer, formerly ZS6MG, who now sports the call sign ZS2BWB, as in Blue Water Bay.

Welcome... to new members Joan Bowles ZR2ABA, Andrew Bowles ZR2ABB, Karen Bowles ZS2-269, Anne Olivier ZR2ABC, Renee Olivier ZR2ABD, Keith Olivier ZR2AAX, John Rivers ZS2D0, Royden Thompson ZR2ABF, Danie Pretorius ZS2CX, T. van den Berg ZS2-274, Gideon Grobbelaar ZS2-275 and Paul de Vos ZS2-276. We're glad to have you all aboard. I'd like to have OM van den Berg's first name and everyone's particulars such as telephone numbers (home and work), birth dates, spouses' names (maximum one spouse per member) and wedding anniversaries. Please drop us a line!

PORT ELIZABETH BRANCH COMMITTEE

CHAIRMAN	Marge Weller	ZS20B	30-4597
VICE CHAIRMAN	Lionel Coombe-		
	Davis	ZS2DD	32-1770
SECRETARY	Lynne Crothall	ZS2MM	35-4671
TREASURER	Colin Robertson	ZS2CTR	30-0570
SOCIAL	Marge Weller	ZS20B	30-4597
SPECIAL EVENTS, AWARDS, CONTESTS	Bud Voortman	ZS2CA	34-2770
HAMNET	Al Akers	ZS2U	30-2983
PROJECTS, PUBLICITY, NOVICE LICENCES	Viv Moore	ZS2YM	30-4433
EDITOR: QSX-PE	Garth Laaks	ZS2HB	38-1101
QSX COMMITTEE MEMBER	Viv Moore	ZS2YM	30-4433
LIBRARIAN, DF HUNTS, IPHA	Vic Olivier	ZS2SZ	30-2440
PACKET WORKING GROUP CO-ORDINATOR	Lionel Coombe-		
	Davis	ZS2DD	32-1770
REPEATER WORKING GROUP CO-ORDINATOR	Trevor Scarr	ZS2AE	32-1746

BULLETIN ROSTER

Bulletin readers please refer to your roster sheet.

SUNDAY BULLETINS

Bulletins are transmitted on Sundays at about 08:40
(after the Headquarters bulletin) on -

- 7,098 MHz (40 metre band SSB)
- 145,700 MHz (2 metre band FM - Lady's Slipper)
- 51,400 MHz (automatic link with 2 m Lady's Slipper)
- 14,130 MHz (20 metres SSB) when conditions require.

BRANCH VHF SERVICES

Town Repeater (PE Central)	145,050	/	145,650 MHz
Grahamstown Repeater	145,150	/	145,750 MHz
Lady's Slipper Repeater	145,100	/	145,700 MHz
6 metre link with Lady's Slipper ..	51,400		MHz (simplex)
Cockscomb Repeater	145,000	/	145,600 MHz
Kareedouw Repeater	145,075	/	145,675 MHz
University Repeater	145,175	/	145,775 MHz
6 metre beacon (ZS2SIX CW ID)	50,005		MHz
2 metre beacon (ZS2PE CW ID)	144,910		MHz

BRANCH MEETINGS

20:15 (8.15pm) on the third Friday of the month at St. Martin's Presbyterian Church, Great West Way, Kabega Park.

**** We like being your branch ****