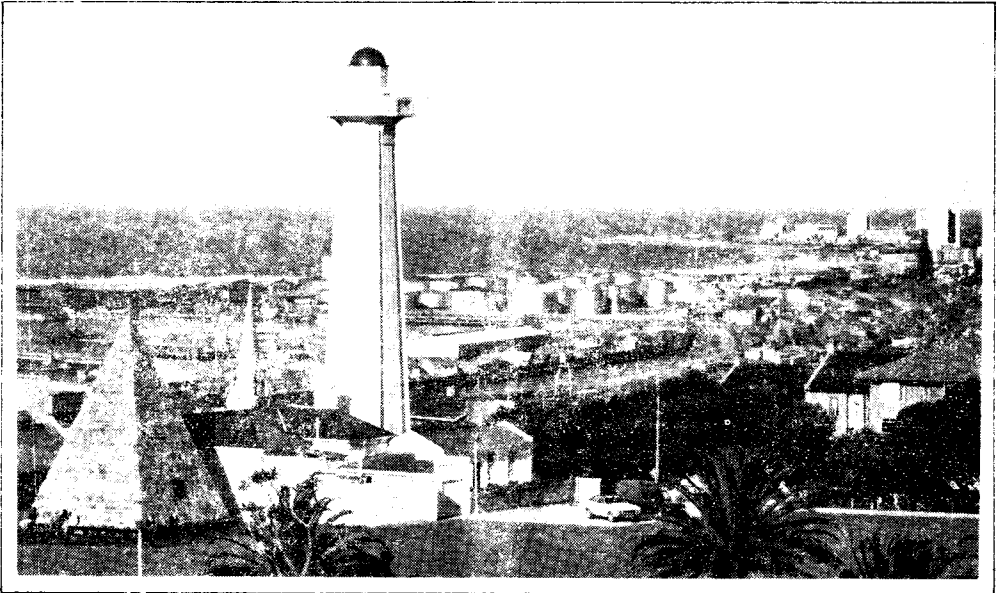




Q S X P E



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

**P.O. BOX 10402
LINTON GRANGE
6015**

FAX (041) 55-9452

April 1993

NOTICE OF MEETING

The next monthly general meeting of the Port Elizabeth Branch will be held on **Friday, 16 April 1993, commencing at 8.00pm (20:00)** in the Civil Defence Centre, Westview Drive, Mill Park, Port Elizabeth.

As we go to press it is not yet certain whether we will have a guest speaker. It is hoped that one of the experts from a well-known radio and electronics company currently visiting Port Elizabeth will be

prepared to give us a talk. If so, it will undoubtedly be an informative and interesting evening.

If not, well... You know how the PE Branch members enjoy a good natter, especially with so many members coming from various places around the district, so in the absence of a speaker we can always have a chat over a coke or cuppa.

See you there!

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On your marks! Get set!

Wait a minute... You can't go out on the VW Algoa Rally until you've prepared your mobile or portable station for the occasion!

The rally is due to take place on 23 and 24 July this year (Friday and Saturday) and you are urged to get your equipment up to scratch well in advance if you are prepared to help with communications.

Al Akers ZS2U will be happy to give advice and help you with the construction of a portable antenna system for use on rallies, field days etc. but contact him early – as the dates for the Hamnet simulated emergency contest (6 June) and the Rally draw near, Al will be too busy with arrangements for these events to find time to help you. His telephone number is 30-2983.

A questionnaire accompanies this issue of QSX for those members who reside within a reasonable distance of the rally course. If you can assist with communications during the VW Rally, kindly complete the slip and return it soon to Al Akers, PO Box 10402, Linton Grange 6015.

If you have not yet assisted with rally comms, you've been missing a lot of fun. And Bud (ex ZS2CA) has threatened to be back here for the rally, so we will still be able to fight with him when Control ignores our calls.

Short Waves from *the Chair*

AS REPORTED at the March Branch meeting, the 1993 League AGM in Pretoria was very positive. Although not all of our motions submitted were carried, we have made our point of view known in regard to abiding by the spirit of the Constitution.

★ It was very noticeable how enthusiastic some branches are towards member-participation activities, such as League Contests, DF hunts, etc. and I came away feeling that our Branch could do a lot better in these events. I am sure we can if we put our minds to it.

★ Our congratulations to Hans, ZS6AKV, on his election as President of the League. Already he has brought in some changes to the Council structure with a view to making it more pro-active and effective. We wish you a successful term of office, Hans.

★ Our invitation to host the 1994 AGM in Port Elizabeth was made official in Pretoria and from September we will have to be getting our steam up to full throttle for next March. Compared to Pretoria, this venue will not likely attract great numbers of members and traders to it and, accordingly, the AGM itinerary will take this into account. In the meantime, the present Committee will set the groundwork in place.

★ The recent VAT and postage increases will be placing quite a strain on the Branch General Fund. Although SARL subscriptions are increasing, the share of the subs received by the Branch aren't, and while the last thing we want to think of is imposing a Branch levy, alternatives that have been mentioned are selling advertising in QSX, or publishing QSX every second month. Sooner or later we are going to

have to give thought to this matter.

★ Thanks to all (40 odd members) who supported the Flea Market held on March 27. The event contributed R1 300 to our Repeater Development Fund and R100 to our AGM Fund. We are indebted to Vic and Anne Olivier for making their QTH available to us, Ben ZR2ABE and Viv ZS2VM for assisting with transport and setting out the goods, Dudley ZR2RD for providing refreshments, and Dudley, Dick ZS2RS, Neels ZR2ABT and Rudie ZS2EE for donating items for disposal.

Vic ZS2SZ was the instigator of the flea market, having acquired the bulk of the items disposed of from his old salt-mine. Many thanks to you all.

One aim of the Repeater Development Fund is to provide for the cost of the manufacture of silver-plated brass duplexers for our 2-meter repeaters so that only one antenna is necessary for the repeater and it can be placed at the top of the antenna masts – a very worthwhile long-term project.

★ Compliments to the Uitenhage/-Dispatch Social Group on their monthly newsletter. It is first class, and a fine effort. It proves what a handful of enthusiastic members can achieve if the will is there!!

★ Until next month, best 73

de Collin, ZS2CTR

MINUTES OF THE GENERAL MEETING OF THE PORT ELIZABETH
BRANCH OF THE SOUTH AFRICAN RADIO LEAGUE HELD AT THE
CIVIL DEFENCE CENTRE, MILL PARK, PORT ELIZABETH ON
FRIDAY 19 MARCH 1993

PRESENT: 47 members and visitors (plus one pooch!).

APOLOGIES as per attendance register.

WELCOME:

The meeting was opened at 2000 by the Chairman, Colin ZS2CTR, who welcomed all, especially our guest speaker. Al ZS2U was then asked to introduce the guest speaker, Lester Cowley, who is a lecturer in Computer Science at the University of Port Elizabeth.

His talk, *Windows: a New Way of Computing* was given in a lively, somewhat unusual style which certainly kept members awake and interested.

The Chairman thanked Lester for this fine talk and the meeting then adjourned for tea.

MINUTES OF PREVIOUS MEETING:

After tea, the minutes for the February general meeting were adopted: proposed by Viv ZS2VM and seconded by Sean ZS2SNA.

MATTERS ARISING:

None.

FINANCE: The Chairman gave a financial report as follows:

R 929,35 General Fund
R5517,52 AGM Fund
R1738,97 Repeater Fund
R3165,84 TOTAL FUNDS

CORRESPONDENCE:

1. Other Branch newsletters were tabled.
2. The Chairman reported that the George area now falls under Division 2 and new callsigns would be issued with the ZS2 prefix.

GENERAL:

The Chairman thanked Dudley ZR2RD for organising Coca-Cola at tea-time and Andre ZS2ACP for his contribution towards the SAREX operation.

He announced that the launch of STS-55 had once more been postponed.

The Chairman mentioned that there would be no amateur stand this year at the Bathurst Show. There would however be a ham get-together (braai) at the home of John ZS2J on Saturday, 3rd March.

The Christmas function is scheduled for some time in April. More details later.

The Uitenhage repeater project is making good progress.

A fleamarket will be held on Saturday 27th March at the QTH of Vic ZS2SZ.

The Chairman then gave a report on the League AGM and handed over a Gold Pen that had been awarded to Mike Bosch ZS2FM for the best article in Radio ZS reminiscing about amateur radio in South Africa. This was a new award donated to the League by Gary Immelman, ZS6YI.

Mike ZS2FM suggested that the Town repeater frequency be changed to 145,625 MHz so as not to interfere with the East London repeater when there is an opening from Port Elizabeth to East London.

The Chairman mentioned that proposed subscriptions for ordinary members will be R90.00.

The meeting closed at 2230.

CHAIRMAN

SECRETARY

Wanted

VINTAGE RADIO APPARATUS....

Have you any old radio or related equipment collecting dust in your junk-room? Dudley Forsyth ZS2AW collects and restores vintage items and would be happy to get any interesting equipment that you may have lying around. He writes:

"For some years now I have been collecting vintage items for an exhibit to entertain selected and interested radio old-timers. I have an early Hallicrafter (1958) and a very early National (1936) both restored and operating. I am looking for such items as early Heathkit valve linear HW14 - valve linears like Dentron Clipperton - P&H400 or the Hunter Bandit. Any condition will do. I will handle the facelift.

A few museum pieces already salvaged: Edison carbon filament lamp 240v 60w BC circa 1908 burns with a dull red glow; Model T Ford ignition coil 6v dated 1914. Ideal for electric fence. Igranitic honeycomb 2-pin plug-in coil; 'What are the Wild Waves Saying' etc."

Dudley's address is 10 Cromwell Street, Grahamstown 6140. Please let him know if you have anything that may be of interest to him. He will no doubt be able to arrange for transport.

.... and MORSE KEYS

We are often asked by new hams where they can get hold of morse keys. If you have any lying around unused, please let me know, quoting the price that you want, if any.

REPEATER NEWS

★ The **Ultenhage-Despatch** group have been going great guns to get their repeater installed at the site on Signal Hill. Everything suddenly came together and the facility came into operation on Wednesday, 31 March, the culmination of a project that the Branch undertook back in July, 1992. The frequencies are 145,075 in, 145,675 out. Our thanks to all concerned.

★ As you read this, the new **Packet Radio digipeater** should be in operation back on the repeater site near Grahams-town – a long-awaited replacement for the old unit that was not compatible with the Poor Man's Packet and EZPacket software that has become popular among PE Branch members. The new digipeater will enable users in the Port Elizabeth area to communicate with those in the Grahams-town/Port Alfred area and beyond, hopefully even into East London for those who are suitably situated and can access the voice repeater. Thanks for Colin for his initiative in securing the unit at a special low price, and to those who fetched and returned the unit to the hill.

★ A **UHF repeater** erected recently in Newton Park is working well – 431,050 MHz in, 438,650 MHz out. Thanks to

Wolf and, once again, Dudley for getting the equipment for us.

★ Mike Bosch ZS2FM suggests that we should **shift our Town repeater from the present 145,650 to 145,625**. This would prevent the simultaneous triggering of the PE and EL repeaters during the conditions that occur quite often. Because the closer repeater tends to mask the more distant one, we may not always be aware when conditions "open up".

How do members feel about such a change? Please discuss it and make your views known. Those who use crystal-controlled 2-metre rigs might need to recrystal for the proposed alternative frequency.

★ At a recent PE Branch meeting, members decided that we should approach the East London Branch with a view to providing a **repeater link** between our two cities. EL has agreed, and it is envisaged that we will link their 145,675 repeater via UHF with our Grahamstown facility on 145,750. Over to the Repeater Working Group for the necessary action, please guys. We'll report progress in QSX if the link is not already in by this time next month (!) SK



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NOVEL INDICATOR for NICAD CHARGER

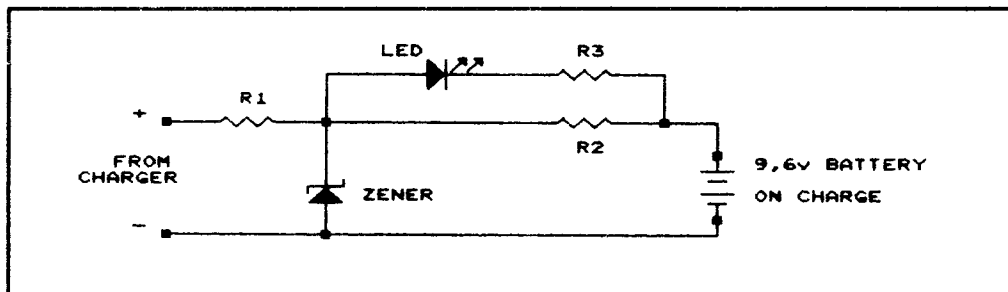
VIV MOORE, ZS2VM

The circuit shown was designed to provide an indication, by means of an LED, as long as the charging rate to the nicad remains above a minimum level. When the charging rate drops below the desired minimum, the voltage across the LED is reduced below the critical value of about 1,6v required to keep it just glowing.

Here's how it works, using for our example an 8-cell battery pack (9,6 volts), the cells being of the 500 ma/H variety with a safe charging rate of 50 ma.

zener will carry most of the current.

R2 is selected to give 50ma at 9,6 volts, so there is a 2,4v drop across R2 at 50ma.



R1 is selected to supply, say, 80 ma to the zener and will depend on the power supply used as a charger.

$$\begin{aligned} Zener &= 1,5v \times nr \text{ of cells} \\ &= 12v. \end{aligned}$$

The zener power rating must be able to handle the power without the battery in place, therefore

$$80ma \times 12v = 0,96 \text{ watts.}$$

We require at least a 1 watt zener. A two-watt or more device would be better.

When the battery is fully charged, the

$$R2 = \frac{2,4v}{0,05A} = 48\Omega$$

Preferred value: 47 Ω , 0,5 watt.

The light emitting diode requires about 1,6v at 2ma to just light up. This means that we need 0,8v across R3:

$$R3 = \frac{0,8v}{0,002A} = 400\Omega$$

Use the preferred value 390 Ω but one may have to play around from, say, 330 to 470 Ω depending on the LED you are using.

Electronics and radio is not an exact science!

CONSTRUCTION HINT:

A piece of double-sided PC board slipped between two flashlight cells in a radio or other circuit provides a test point for measuring current flow in the circuit. Simply touch your meter probes to each side of the PC board.

Connecting a remote pressbutton switch to such control for a tape recorder – handy for typists.

PC board also provides a footswitch

SK

The z-z-z-Zippy Superhet RX - Part 2

BY PHIL HOPPER ZS2PP

This is the second and final part of the article on Phil's excellent little SSB/CW receiver. Part 1, with Figs 1, 2 and 3, appeared in the March issue of QSX-PE.

THE RF AMPLIFIER (Fig. 4)

This is an optional extra, but is well worth the effort of constructing. It was found that it improved the overall signal to noise ratio considerably; also, the selectivity is better due to the additional bandpass filtering. The receiver, however, works quite well without it.

Practically any dual gate MOSFET will work here. I used a BF981 simply because I had one in stock. A good choice might be a 3N211. The RF output and the DC ground return is via the source of the device. Again, a little unconventional but it works well.

CONNECTING THE RF AMPLIFIER:

If you decide to incorporate the amplifier, simply disconnect the "hot" lead of coil L1 from the wiper of the 1k RF Gain potentiometer shown in Fig. 3 and connect L1 instead to the output of the amplifier (J1). Now connect the wiper of the pot to L2 as shown (Fig. 4).

THE CRYSTAL FILTER.

Probably the most daunting task is the making of the crystal filter. However, it is by no means difficult, only a little patience is required. If you are one of the lucky ones to have a discarded 9 MHz commercial unit then just pop it into the circuit. You will, of course, have to make a small change in the PCB layout, and also to the VFO and BFO frequencies.

TO MAKE YOUR OWN SSB FILTER you will need a selection of 4 MHz crystals *all on the same resonant fre-*

quency to choose from. TV colour burst crystals at 4.43 MHz are the obvious choice.

STEP 1. Using a crystal oscillator and frequency counter, select three crystals that are closest in frequency. A fourth crystal recording the highest frequency can be set aside for the BFO.

STEP 2. Extensive tests show that the capacitor values required for a 2.4 kHz bandwidth using crystals in the 4 MHz range will be somewhere near 18 pF for C1 and C4, and about 56 pF for C2 and C3. It is suggested that these values be used as a starting point. Some tweaking of the values can be done once the receiver is up and running.

The larger the value the narrower the bandwidth and vice versa. Remember, for CW filters these values must be larger by a factor of about 3.

Be patient and you will be rewarded!!!!

SETTING UP

After assembly of the various modules, check for solder bridges etc. before applying power. Be sure to use a well-smoothed power supply of 12 to 14 volts. It is advisable to build and check out the vfo board first. Before inserting the IC's into their sockets, apply power to the board and make sure that there is no more than 6.7 volts on pins 8 of the two NE602's. A higher voltage can destroy these devices. *Do not insert the IC's before every*

solder connection has been made and when you do, be sure to get them the right way round.

The RF outputs from the VFO and BFO to the receiver board must be made with coaxial cable. Both oscillators should also be in suitable metal enclosures taking the usual precautions to ensure stability.

Once the VFO is up and running on the correct frequency, setting up is straight forward. Connect an antenna and tune in an SSB signal. Peak the trimmer capacitors C1 to C3 for maximum output. Adjust the trimmer on the BFO board for the most natural sounding audio.

PCB LAYOUTS have not been provided. However, they are available

on request. Please send a self-addressed, stamped 110x220 mm envelope. It is also hoped to have a limited number of crystal filter kits for sale from the Branch.

CONCLUSION

The ZIPPY is a well-behaved receiver with lots of punch. With just a few feet of wire as an antenna I was able to copy ZS6 stations with ease. Four different versions have already been constructed, the latest of which is a complete transceiver with all the bells and whistles added. If enough interest is shown, we may persuade our editor to publish the complete article. *[OK phil, but only if you address me as Editor in future, with a large E as befits my status!—Ed.]*

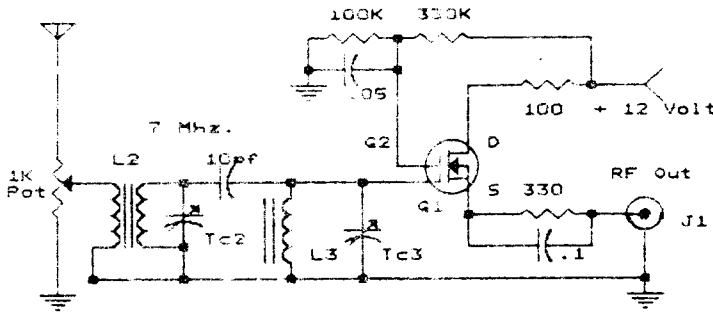
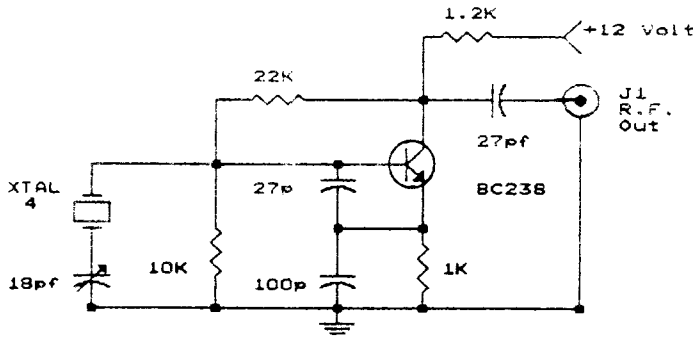


Fig. 4 RF Amplifier Board

Fig. 5 BFO Board



ZS2 GROWS

Figures provided at the recent AGM show that the Port Elizabeth Branch voting strength went up by 21 from 148 last year to 169 this year – a 14% increase. (Voting strength is the number of fully paid up members as at 31 December. Our actual membership figure at the date of the AGM was 174).

This shows a very favourable trend compared with the figures of some branches, many of which showed a *decrease*. For example, (voting strengths for 1992 in brackets): Cape Town 254 (273); Durban 199 (219); Johannesburg 521 (567); North Cape 12 (22).

Some of the losses may be due to the formation of a new branch a while ago, although there was a substantial loss of members overall, doubtless as a result of the increase in subscriptions last year. The League has not yet regained the lost ground in spite of a large number of newcomers into its ranks in recent months.

Tak Noord-Transvaal came close to equalling our growth. They increased by 11% from 146 to 162, although their total *current* membership figure is 173 – just one less than PE! West Rand Branch has 171 current members, also with an 11% increase in voting strength. **We'll have to work on this if we want to retain our position as 5th largest branch in the Republic!**

.... and GROWS!

The Southern Cape area, hitherto part of Zone 1 for amateur radio licensing purposes, has been incorporated into ZS2. Although existing licensees there may retain their ZS1 callsigns if they wish, newcomers, including licensed hams who move to the area, will be issued with ZS2 calls. One of these is OM George Oosthuizen, ex ZS1GJO, who has become ZS2GJO following his QSY from Cape Town and who drew this development to our attention. Thank you for your letter, George.

I thought I could merely update the map that we printed in the June 1991 issue of QSX, which depicted the (then new) ZS3 Northern Cape area. Alas, that is not as easy as I thought. The callsign prefix to be issued will henceforth be determined according to the SA Post Office region in which the licensee's nearest post office falls. The region is indicated in the official List of Post Offices and offices in the erst-while Southern Cape area were transferred from Western to Eastern Cape some years ago.

The resultant confusion between callsign prefix (ZS1) and controlling authority (in ZS2), as well as difficulties that arose in borderline cases, prompted the P&T Department to look at alternatives and, with the concurrence of League Headquarters, the decision was taken to follow the List of Post Offices.

If you would like to mark up a map as an approximate guide, the following towns fall inside ZS2, starting from the western end:

Mossel Bay, Herbertsdale, Calitzdorp, Oudtshoorn, De Rust, Rietbron, Murraysburg (but not Richmond), Noupoort, Steynsburg, Stormberg (but not Burgersdorp), Dordrecht (but not Jamestown), Elliot (but not Barkly East), Ugie and Maclear.

In general, the border seems to follow the crest of mountain ranges and cross the middle of the Karroo flats but it remains fairly vague.

Since mobileers are required by Regulation B12(1) to quote the zone in which they are travelling if it is not their own, the new system presents a problem which can only be solved by carrying a List of Post Offices in the car. This Regulation, however, seems to be outmoded and perhaps the Department will consider scrapping it when the Regulations are again amended.

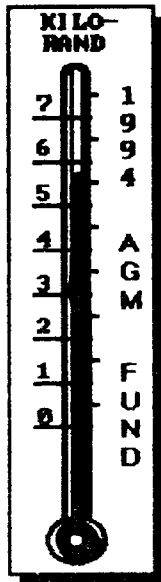
I hope to obtain clarity soon on the fate of other towns that no longer fall in the traditional amateur zones, such as Barkly East, Aliwal North and certain towns in the ZS3 area that are controlled for postal purposes from the OFS Regional office.

1994 AGM FUND

Rising very slowly, the fund is groping at the R5800 mark with, among other items, R30 from the sale of a UHF rig donated by Bill ZS2BY, R60 from the disposal of a Kenwood world map and a couple of cash donations.

Dick ZS2RS, provided a VHF antenna and aluminium tubing which raised R70, and about R100 was netted from several items donated by Rudi van der Elst ZS2EE.

Thanks to the donors as well as those who bought all the goodies. Keep that green stuff rolling!



Christmas Party this Month!

It is planned to hold a Social get-together in the last week of April. This will take the form of a Sunday luncheon or evening dinner. Your Committee will finalise the arrangements at its next meeting, and these will be announced at the Branch Meeting on 16 April.

Meantime, please make a note in your diary!

Today is the day you worried about yesterday – and everything's alright, isn't it?

SATELLITE SCENE

BY COLIN ZS2CTR

The growing local interest and activity in ham-band satellites has prompted me to keep readers abreast of developments on the satellite scene. I am no fundi on the subject, but will publish any news that comes my way in QSX. Input from members will be most welcome.



RS-15 LAUNCH IMMINENT

A new Russian satellite, RS-15, is planned, possibly for launch in April. It will be in a 2 300 km circular orbit with an inclination of 63 degrees. This satellite is basically a clone of RS-10/11 and weighs about 70kg.

It was built by the same successful team which has built all previous RS birds. RS-15 will be a Mode A satellite and will have two telemetry beacons. Also, it will have an on-board Bulletin Board System with 2 Mbytes of memory.

As an experienced satellite operator will realise, the passband is 40 kHz wide and this is a non-inverting transponder. The beacons will send down 64 channels of telemetry. The transponder's RF downlink power will be around 5 watts and the beacon's output will be 0.4 watts, but with a command from the ground, the beacon's output can be increased to 1.2 watts. The antenna will be quarter-wave monopoles for both uplink and downlink.

For the uninitiated, Mode A works with an uplink on 2 meters and a downlink on 10 meters.

AO22 FREQUENCIES

Someone queried AO-22's frequencies the other day. I have full details on this one should anyone require these.

The downlink is on 435.120 MHz, 9600 bps FSK, 1200 bps AFSK (backup), 5 or 2 watts.

The uplink is 145.900 MHz, 9600 bps FSK, 1200 bps AFSK (backup).

SSTV ON OSCAR 13

Yes! If you're an SSTV fan, you'll be pleased to hear that SSTV sessions will be held on Oscar 13 on Saturdays and Sundays, using Mode J on a downlink of 435.980 MHz, and Mode B immediately after Mode J on 145.960 MHz. The "Ops Nets" will take priority, so look for SSTV activity immediately after they conclude.

SK

Whites Win Weekend Away With Words

In our second "words" competition (the hidden words puzzle compiled by Fred ZS2EQ) the winner of the voucher for a free weekend's accommodation and meals at a leading Wild Coast holiday resort is **Chris White, ZS4ABS of Venterstad**. Congratulations, Chris. We expect fresh vouchers from our kindly donor to arrive any day now and one will be posted off to you (and also to Joe Jasson, who won the first competition) as soon as they arrive. We hope you and Lydia will enjoy your stay at possibly the prettiest resort on the Transkei coast.

Our thanks go to those who supported the Branch by entering the competition. Unfortunately, there were not many takers and we are considering how best to dispose of the remaining vouchers so that the proceeds towards the Branch 1994 AGM fund more closely reflect their real value. If you have any ideas, we would be glad to listen to them!

News of Members and Other Things

We're sorry to learn that **Owen, ZS2AZ**, has been very ill with pneumonia and has cancelled the remainder of his world-wide yacht cruise. He will be returning home soon. We hope he has recovered fully by now and we look forward to his safe return. We're missing our Bingo evenings!

Teresa and Andy Smit ZS1AM have returned to the Transvaal and Andy is now **ZS6TD**. They've settled in Stillfontein this time. Hope you'll be happy up there, you two, although I can't imagine how one can leave the Cape without very good reason.

Just as the humidity drops a little and we have cool Coke laid on, we now also have a fan making conditions more pleasant during meetings! Thanks, guys, it really helps. Also thanks to the smokers for their kind co-operation in sitting at the open door to avoid discomfort to members already suffering from the heat in our

jam-packed meeting hall. Incidentally, as an ex-smoker myself and knowing how lekker it is to puff, I have been surprised at the number of former smokers who develop what seems to be a genuine, almost claustrophobic, allergy to smoke, particularly in a hot and stuffy environment. They struggle to breathe.

Congratulations to **Dick Schönborn ZS2RS** on opening his own company in the electronics line. Good luck, Dick. But remember - the more important task of organising the 1994 SARRL AGM takes precedence!

BULLETIN ROSTER

		TRANSMIT BULLETIN	RELAY/ NET
Apr	18	ZS2U	ZS2CTR
	25	ZR2RD	ZS2HB
Apr	2	ZS2WG	ZS2EQ
	9	ZR2PF	ZS2U
	16	ZR2AAX	ZR2RD
	23	ZS2DL	ZS2WG

Here... and There...

★ SAREX has been an on-again, off-again experience for all concerned, especially our own local enthusiasts who have done a great deal of planning and organising for the big day when Westering High School scholars will be able to talk to the astronauts as they swing past PE aboard Columbia. The repeated launch delays have been greatly disappointing, especially in the light of the press and radio publicity that the project has gained for Amateur Radio so far. Meanwhile, the fifth member of the STS-55 crew to obtain his ham licence is Charlie Precourt, KB5YSQ, Mission Specialist.

Rumour has it that STS-55, with SAREX, now hopes to get off on 30 April or 1 May – *after* the projected launch of STS-56, which is scheduled for some time this month! Hope there are no more bits of Teflon floating around in the works!

STS-56 will be the **second all-ham shuttle crew in history** now that Discovery pilot Steve Oswald KB5YSR has obtained his licence. The first was STS-37 in April 1991.

There must be sumpin' in this 'ere ham radio wot makes all those there Yanks wanna rocket outta here.

★ **THE UITENHAGE/DESPATCH BUNCH** had a very **successful social get-together** on 5 March in the form of a bring and braai. An interesting demonstration on the use of a Grid Dip Oscillator (GDO) was well received by all present. Congratulations on your initiative, all of you, and good luck with your future events. Hope more of the PE members can make it next time.

★ **THANKS** to Dudley's initiative, members can now, naturally at a fair price, **enjoy a Coke at refreshment time during**

our monthly meetings. Dudley also laid it on at the fleamarket. Guess his new call-sign is quite appropriate: ZS2 Another Coke, Dudley!

★ **SUBSCRIPTIONS FOR 1993/94:** Although the AGM approved an increase in subs of R5.00, all of which is to go to Radio ZS, the recently announced increase in VAT means that subscriptions (being subject to VAT) have had to be adjusted further upwards. Rounding the new figures to the nearest rand and with a small measure of cross-subsidisation, the subs payable by those joining on or after 7 April will be as follows:

Ordinary member	R94
Spouse member	R27
Student	R39
Pensioner	R47
Incapacitated member . .	R47
Associate member	R90.

★ **HEADQUARTERS REQUESTS** that we report cases of **misbehaviour by amateurs** to the local committee of the SARC in the first instance, and not direct to the Postmaster General's office. The matter can be disposed of more quickly and, if necessary, it will be reported to the PMG via HQ. (When the PMG's staff receive a direct complaint of this nature they refer it to League HQ in any case and, if appropriate, HQ passes it to the relevant branch for comment).

★ **PACKET MODEMS AND WEATHER-FAX demodulator kits** are still available from Colin ZS2CTR. Both kits include shareware or freeware software in the price of R100 (packet) and R50 (weatherfax). For an extra R30, the Branch's custom-developed **weatherfax software** will bring you **superior pictures** with handy keyboard control as you are receiving them. SK

★ ★ PERSONAL NEWS ★ ★

Congratulations ... to members and their spouses celebrating soon:

Birthdays - April: Jock Morris ZS2MD (18th); Margaret Bartie (ZS2WM) (19th); Kay Harvey (ZS2RU), Joey Pettit (ZS2ABU) and Trevor Scarr ZS2AE (20th); Marge van Loggerenberg ZS2LR, Alan Bowles ZR2BL and Doris Edwards ZS2DJ (22nd); George Bowes ZS2QN and Colin Robertson ZS2CTR (23rd); Arthur Edwards (ZS2DJ) (24th); Toff Scarr ZS2AAW (28th); Sorette MacGeoghegan (ZS2-279) (30th). **May:** Marge Weller ZS2OB (1st); Joan Browne (ZS2BY) and Wim van Vorstenbosch ZS2WV (6th); Sean Allen ZS2SNA and Langley Lookwhy ZS6BGN (9th); Jerome Putter ZR2JP and Attie Barnard ZR2DY (10th); Shirley Cockbain (ZS2TC) (11th); Dot Plumridge (ZS2VP) (16th); Keith Olivier ZR2AAX (17th); Chick Henderson ZS1ABY (20th); Teresa Smit (ZS1AM) and Bill Hodges ZS2ABZ (22nd).

Jislaaik! Bet the Stork was glad when April and May were over.

Anniversaries - April: Hanni ZR2JB and Gerhard Baum ZS2UM (29th). **May:** Shirley and Gus Winter ZS2MC (2nd); June and Dudley Radue ZR2RD/ZS2ACD (14th); Anne and Jock Morris ZS2MD (16th); Shirley and Paddy Furlong ZS1GPF (18th).

... to **New Call Sign Holders** Dudley Radue, ex ZR2RD now sporting ZS2ACD (but expecting to change it for a 2-letter call soon), also to Danny Marais ZR2JD and his son, Eastern Cape's youngest Ham, Charl Marais, ZU1YB. Charl, help your dad to get through his morse, please!

... to **New Grannies again!** Les and Rene Mandy ZS4WA, who now have nine granddaughters, and nary a grandson in sight! Do grandparents get a cut of the lobola?

Welkom aan Nuwe Lid Sakkie Pelser ZS1CG van Bredasdorp, Streekbestuurder van Hamnet vir WP. Sakkie verhuis dalk binnekort na Oos-Londen maar sal 'n lid van ons Tak bly. Baie welkom, Sakkie, en ons sien uit na 'n lang en gelukkige samesyn.

Farewell to Simone Pukall ZS2YL, who has returned to Germany. We understand that she hopes to return, and we hope she does.

Sick Parade: Fred ZS2EQ had a blockage and went under the knife recently but is doing fine. Watts watt you eat in future, Fred.

Permanent Loafers' Club: Gary Gillmer ZR2LG joined the PLC at the end of January for health reasons. Hope things go better with you now, Gary.

PORT ELIZABETH BRANCH COMMITTEE

CHAIRMAN, TREASURER, REPEATERS	Colin Robertson	ZS2CTR	30-0570
VICE CHAIRMAN, EDITOR QSX-PE	Garth Laaks	ZS2HB	38-1101
SECRETARY	Fred Bonthuys	ZS2EQ	63-3804
HAMNET, SPECIAL EVENTS, CLUB			
STATION, RALLIES	Al Akers	ZS2U	30-2983
SPECIAL EVENTS/RALLIES WG	Peter Flynn	ZR2PF	42-4008
PROJECTS, DIGITAL SERVICES,			
REPEATER WG	Wolf Gerstle	ZS2WG	30-1510
CONTESTS, AWARDS	Donovan van		
	Loggerenberg	ZS2DL	992-2374
TRAINING LIAISON	Keith Olivier	ZR2AAX	30-2440
SOCIAL, GUEST SPEAKERS, QSX WG	Dudley Radue	ZR2RD	33-2255

EXTRA-COMMITTEE APPOINTMENTS

SA AMSAT LIAISON	Lionel Coombe-		
	Davis	ZS2DD	32-1770
DIGITAL/REPEATER WG CONVENOR	Trevor Scarr	ZS2AE	32-1746
LIBRARY, DF, IPHA	Vic Olivier	ZS2SZ	30-2440
QSX COMMITTEE, TRAINING WG	Viv Moore	ZS2VM	30-4433
YAS LIAISON	Mike Bentley	ZR2MBM	30-1498

SUNDAY BULLETINS

Bulletins are transmitted on Sundays at about 08:45 (after the Headquarters bulletin) on -

- 7,098 MHz and ±10,123 MHz (40 & 30 metres) on SSB
- 14,130 MHz (20 metres SSB) when conditions require
- 145,700 MHz and 145,750MHz repeaters (2 metre band)
- 51,400 MHz (linked with 2m Lady's Slipper)

BRANCH VHF & HF SERVICES

Repeaters:

Town (PE Central)	145,050/650	Kareedouw	145,125/725
Town UHF	431,050/438,650	Lady's Slipper	145,100/700
Cockscomb	145,000/600	Uitenhage	145,075/675
Grahamstown	145,150/750	University	145,175/775

Other Services:

2 metre beacon (ZS2PE CW ID)	144,910 MHz
Packet Bulletin Board	144,675 & 14,109 MHz
Digipeater (Grahamstown)	144,675 MHz
6 metre link with Lady's Slipper	51,400 MHz simplex
6 metre beacon (ZS2SIX CW ID)	50,005 MHz

BRANCH MEETINGS

20:00 (8.00 pm) on the third Friday of the month in the Civil Defence Centre, Westview Drive, Mill Park.

★ ★ We like being your branch ★ ★