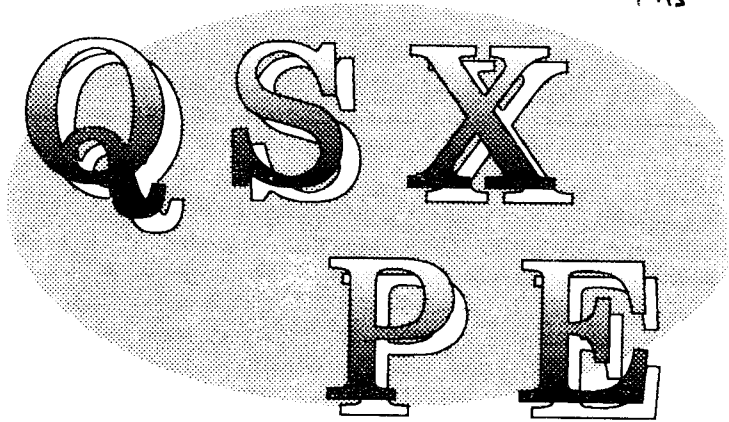


Where
are
your
ideas?



Nobody actually resigned over the photograph that we placed on the cover last month so we take a chance with some more faeces this month. There were, however, comments about the excessive white space in the middle foreground. A "computer enhancement" appears on page 8.

THIS NEWSLETTER IS PUBLISHED BY THE
PORT ELIZABETH AMATEUR RADIO SOCIETY

P.O. BOX 10402
LINTON GRANGE
6015

September 1996

SPECIAL GENERAL MEETING SPESIALE ALGEMENE VERGADERING

A Special General Meeting of the Port Elizabeth Amateur Radio Society will be held on **Saturday, 21 September 1996**, (NB 21 and not 22 as stated last month) commencing at 16:00 (4pm) in the Scout Hall, van Plettenberg Street, Kabega (**NOT** at the usual monthly venue).

'n Spesiale Algemene vergadering van die Port Elizabeth Amateurradio Vereniging sal om 16:00 (4nm) op **Saterdag 21 September 1996** (L.W. 21 en nie 22 soos verlede maand gemeld nie) in die Verkenerssaal, van Plettenbergstraat, Kabega plaasvind (**nie** by ons gewone vergaderplek nie).

The Agenda is as follows:

1. Welcome
2. Minutes of 1995 AGM of PE Branch of the SARL
3. Chairman's report
4. Treasurer's report
5. Society awards
6. Adoption of Constitution
7. Consider Badge designs
8. Election of Chairman
9. Election of Committee
10. General
11. Close of Meeting

Die Sakelys is soos volg:

1. Verwelkoming
2. Notules van 1995 AJV van die PE Tak van die SARL
3. Voorsitter se verslag
4. Tesourier se verslag
5. Taktoekennings
6. Aanvaarding van Konstitusie
7. Oorweeg Wapenontwerpe
8. Verkiesing van Voorsitter/voorsitster
9. Verkiesing van Komitee
10. Algemeen
11. Sluiting

*Members, their families and interested non-members are cordially invited to attend the Special General Meeting of the PE Amateur Radio Society and the **bring and braai** immediately after on Saturday, 21 September (see notice above).*

*Lede, hul gesinne en belangstellende nie-lede word hartlik uitgenooi na die Spesiale Algemene Vergadering van die Port Elizabeth Amateurradio Vereniging en die **bring en braai** onmiddelik daarna op Saterdag 21 September (kyk kennisgewing hierbo).*

The Branch will provide *salads, bread rolls and icecream* as well as the fires. Attendees who require anything else should

bring along their own supplies! Please also provide your own crockery, cutlery, glasses etc. See you there! Ω

REMEMBER THE CONSTRUCTORS' GET-TOGETHER
on Wednesday, 25 September at the Clubhouse, starting at 19:30. Listen to the PEARS bulletin for an announcement of the theme for the evening.

A Word from the Chair

The new Society finds itself on the eve of a new era. No longer tied to the apron strings of the SARL, but yet a niggling call for loyalty remains.

After all, we are dependent on HQ to fight our cause, protect our frequencies which are nowadays constantly sought after by the commercial sector, and negotiate the day-to-day Amateur matters with the powers that be.

A strong case for the Society to be affiliated to the SARL. How many of our members have in fact renewed their subscriptions with the SARL? A situation to be pondered. Please give it the time.

At our forthcoming meeting we need to address the logo factor. Several options have been published in QSX-PE and members have been invited to submit their views. Please air your opinion at the meeting.

A proposed constitution has been circulated. Have you perused it yet? We need to adopt it in its present or modified form without any further delay. The question of subs for the forthcoming year will also arise. We only need to cover the costs of QSX-PE and a minimal allowance for posts and petties. Subs will therefore be kept to a minimum.

Your input, however, which includes membership, is of paramount importance. Please give this issue priority in your thinking.

Looking forward to seeing you all there.

73,

Dick ZS2RS

HAMNET NEWS

EMERGENCY PROCEDURES

[Part 2 of the Hamnet bulletin of 31 March. Part 1 appeared in Q&X PL last month]

In all these incidents HAMNET acts firstly as direct or secondary communications facility. HAMNET members are not peace officers and should never exceed their authority which, unless instructed to act by a policeman or the Chief Fire Officer (or his deputy), all of whom have statutory powers to call on any person to assist them, are no more or no less than any other private citizen.

HAMNET sits on the national SATEPSA, SASAR and ARCC committees, liaises on a national basis with the SAPS, SANDF and other bodies, and at Provincial and Local Authority level with all the emergency services. This means that HAMNET is known to all the necessary role players in emergency situations and WILL be called out to assist IF the circumstances arise.

The prime point to remember is that if you are the first person to

become aware of an incident, you must IMMEDIATELY alert the necessary emergency services and then your HAMNET Provincial Director or his Deputy, who will then coordinate the activities that follow, decide on when to activate more HAMNET personnel, act as net control and liaise with the necessary authorities to whom he or she is probably personally known.

Do NOT act alone or try to activate a HAMNET response on your own. Let the persons authorised to do so do their jobs. Failure to take such actions can open you to legal liability and responsibility which could cost you dearly, and neither HAMNET nor the SARL will be able to help you.

73

Al Akers,
Provincial Director,
Hamnet East Cape

★ ★ ★ HAMNET MEETING ★ ★ ★

Hamnet members and other interested persons are reminded that there will be a Hamnet General Meeting on Wednesday, 2 October starting at 19:30 in the Municipal Disaster Management Centre (alias the Civil Defence Centre).

Chairman's Report 1995/96

The past year has, in my opinion, been an active and successful one in terms of the Branch/Society. I have enjoyed the support of the Committee and members in all aspects of activity. Yes, there are always times when we ask the question, "Where are all the members?", and there will always be such times. In general, however, the support was very good. Our meetings were always very well attended and a great deal of credit should go to Owen ZS2AZ who went out of his way to arrange most interesting guest speakers. He was also largely responsible for a most interesting treasure hunt which, unfortunately, did not enjoy the support it deserved.

The Branch was responsible for copy of one issue of Radio ZS and excelled itself. Thanks here to garth ZS2HB who was the driving power behind this fine effort.

Our repeater network, along with the HF patching, is of the finest in the country. Thanks to Chris ZS2AAW and Trevor ZS2AE. A fair amount of assistance was also received from Wolf ZS2WG. I am quite sure that members are largely unaware of the amount of effort, time and mileage that has been contributed by these members. All at no charge to the Branch.

The packet scene is alive and well. Here again thanks are due to Chris for his stout efforts. Many other members have played their part, among them Jim ZS2LR.

Vic ZS2SZ continues undaunted, with regular Morse classes on VHF. His efforts are rewarded at regular intervals by candidates passing the necessary test. Thanks for all the time, Vic.

The Wefax system ticks along quietly and the information provided appreciated by several members. Thanks to Colin ZS2AO for its continued operation.

The RAE classes have been hugely successful due to the unstinting time given by several members. Special thanks are, however, due to Gerhard ZS2UM, whose contribution will be difficult to replace.

The technical group have enjoyed regular

meetings and some members have surprised by their innovative ideas.

Communications provided by members for the recent VW Rally were out of the top drawer and the Society benefitted in the form of a cash injection. Thanks to Al ZS2U for his leading rôle. Thanks to all members who clocked in after the Intecnet sessions. Greater participation here would, however, be appreciated.

A very successful garage sale was held and the results enabled the purchase of a new KAM unit for the Packet network. Many thanks to Trevor ZS2AE for much time and effort in this regard. Also to XYL Julie for the marvellous teas.

The outing to Plettenberg Bay, the QTH of Roger ZS1J, was enjoyed by all who made the effort. It was agreed that it was well worth a return visit.

The financial situation of the Society is extremely sound and thanks are due to our Treasurer, Clive ZS2RT, for administering this arduous task.

Last, but by no means least, a huge bouquet to Garth ZS2HB for his unstinting dedication to our newsletter QSX-PE. It is acknowledged that this publication has no equal in local amateur circles. At the recent AGM in Johannesburg several delegates asked to read it when it was seen with my other documents. Garth's clever way with words and his tremendous sense of humour go a long way to making it the fine publication it is. Many thanks, Garth.

Due to being largely human, I have no doubt left several persons off this thank-you list, so to those anonymous helpers, a sincere thank you. May our young Society go and grow from strength to strength with your support and assistance.

Yours in Amateur Radio,

Dick Schönborn ZS2RS.

[Aw gee, just when I was thinking of retiring - Ed.]

MINUTES OF THE ANNUAL GENERAL MEETING OF THE PORT ELIZABETH BRANCH OF THE SARL HELD AT THE KABEGA SCOUT HALL ON SATURDAY, 23 SEPTEMBER 1995

The Chairman opened the meeting at 16:10 with a special word of welcome to the visitors and out-of-town members.

ATTENDANCE AND APOLOGIES: as per register.

SILENT KEY - Members stood in silence in memory of the late Werner Ahlers ZS2WA, Chick Henderson ZS1ABY, Doris Thomas ZS2TL, XYL of Owen, and other hams who had passed away during the Branch year.

PREVIOUS MEETING - The minutes, having been published in QSX, were accepted as read (proposed Lynne ZS2MM, seconded by Trevor, ZS2AE).

CHAIRMAN'S REPORT, which had been published in QSX, was accepted.

TREASURER'S REPORT - accepted without discussion.

BRANCH AWARDS were presented as follows:

- | | | |
|-----------------------|---|---|
| Constructor's Trophy | : | Viv Moore ZS2VM for his ongoing construction activities, including assistance to others with their projects |
| Ham Spirit Trophy | : | Bill Hodges ZS2ABZ, who is always around when help is needed yet maintains a low profile. |
| DX Trophy | : | Poppie Oosthuizen ZS1AFZ for her impressive record of DX contacts, mainly on CW. |
| DF Trophy | : | "Toff" Scarr ZS2AAW for his outstanding achievement in tracking down the QRM on our repeaters during the VW Rally |
| Certificates of Merit | : | Jim van Loggerenberg ZS2LR for stepping into the breach and running the Branch BBS for many months; |
| | : | Garth Laaks ZS2HB for his production of QSX throughout the year. |

A gift was also presented to Simone ZS2YL for her initiative and enthusiasm in organising the German Evening that was arranged to follow the AGM.

ELECTION OF COMMITTEE - The outgoing Chairman, Beavan ZS2RL, announced that he would not be available for re-election due to saltmine commitments. He thanked the outgoing Committee for their support during the past year. He then proposed and the members agreed that the new Chairman should not be elected separately from the floor but that we should simply elect a Committee as a group and leave them to appoint the Chairman. Beavan called for nominations and Dick Schönborn ZS2RS, Al Akers ZS2U, Owen Thomas ZS2AZ, Clive Fife ZS2RT, Trevor Scarr ZS2AE, Christopher Scarr ZS2AAW and Bert van der Poel ZR2USA were proposed, seconded and elected to the Committee.

It was decided to limit the number of committee members to seven for the time being with the option of co-opting additional members if necessary.

CLOSURE - The meeting closed at 16:50 and those present enjoyed the German fare that had been laid on by the Branch under the guiding hand of Simone ZS2YL. Q

Fiddlers' Corner

CAPACITOR LABELLING

BY VIV MOORE ZS2VM

Anyone who does any construction will realise that capacitor values can be marked in several different ways. Normally, the value is directly printed onto the capacitor or it is marked using a colour code. A popular system for values below $1\mu\text{F}$ is simple and uses only three numbers, avoiding the use of decimal points which can easily be missed or scratched off.

For values below 100pF , there is often only a figure, say 22, for 22pF . A letter could follow which indicates the *tolerance* and not a multiplier, i.e. 22K or 22J . Sometimes just the 'p' follows for pF and, like low value resistors, $2\text{p}2$ would be 2.2pF . Very occasionally you will meet a colour coded body such as the example given at the beginning, with the body being the figure colour, and the tip the multiplier.

For values of 100pF – 999pF again, possibly three figures, such as 150, may be followed by a letter – 150K or 150J : all these indicate 150pF . Also, the addition of the letter 'n' preceding the figures denotes a multiplier of 10, i.e. $n15$ is 150pF and $n10$ is 100pF .

For values of 1000pF to 9999pF , things start to change. Normally, 1000pF will be marked 1000p , $.001$ (for $.001\mu\text{F}$), or 1n . The latter is important – a small 'n' following the figures is a multiplier of 1000. Also, an actual *figure* multiplier may be given – 102 indicates 1000pF , 10 times 100 (or 10 plus two noughts if you like). Another letter may follow some of these; this is a tolerance indication. J is $\pm 5\%$, K is $\pm 10\%$ and Z is $+ 80\% - 20\%$.

For values of $10,000\text{pF}$ to $99,999\text{pF}$: Similar to the last one, although you are unlikely to find $10,000$ as a marking. The normal codings are 10n , $103(\text{n})$, 103z , and $.01$. Similarly, 22n or 223 are both $.022\mu\text{F}$.

For values of $100,000\text{pF}$ ($.1\mu\text{F}$) to $.999\mu\text{F}$: Again, 104 is a common marking for $0.1\mu\text{F}$, but you will also find 100n equally as often. Just ".1" is found, or sometimes $0\mu 1$. The latter is a similar convention to resistors where the " μ " symbol is like the "R" symbol, in this case showing the position of the decimal point in relation to $1\mu\text{F}$. 220n would be the same as $.22\mu\text{F}$.

Disc types also come in lower values down to 1pF – an additional tolerance letter of J ($\pm 5\%$) is usual here, and you are unlikely to find a Z tolerance on these types.

With values of 1000pF and below, the ceramic plate or plaquette type are common. These are square in shape, and usually very small – a $2\text{p}2$ capacitor can be very little different in size to a 1000pF , with a working voltage of 63V max.

As these are so much more commonly used in RF tuned circuits, the temperature

coefficient becomes more important. This is usually denoted by a coloured band across the top of the capacitor, or by a patch of colour on one corner. The usual colour code is:

RED/VIOLET	P100
BLACK	NPO
ORANGE	N150
YELLOW	N220
GREEN	N330
BLUE	N470
VIOLET	N750
ORANGE/ORANGE	N1500

N = Negative coefficient

P = Positive coefficient

Figure = capacitance change in ppm per deg/C.

Capacitors without colour markings are not selected and may lie anywhere in this range. Using combinations of these marked types can give suitable temperature compensation to most circuits.

Above $1\mu\text{F}$ (more often an electrolytic type) the actual value is generally printed accurately, but often followed by the voltage, again usually with a "v" following it. You may sometimes find, say, 10/16. This would be $10\mu\text{F}$ at 16V working. Ω

About Last Month's Cover Picture

As mentioned in the caption to our cover picture this month, we heard some snide remarks about the wasted 'white space' in the centre foreground of *last month's* cover photo.

To appease irate members, we asked our computer to effect an improvement in that area and after lots of huffing and puffing it came up with the result that we publish alongside. A decided enhancement, you will agree.

In spite of Viv's slightly receding hair line (better watch it before you lose it altogether, Viv), OM Owen ZS2AZ seems quite envious of Viv's FB locks, doesn't he?



HOW POWER SUPPLY CIRCUITS WORK

Part 2

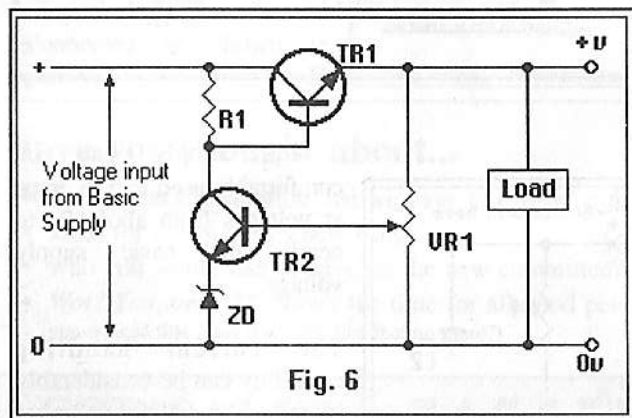
BY VIV MOORE ZS2VM

The second and final part of this article deals with a variable voltage supply capable of powering an HF rig.

In the first part of this article we talked about a fixed voltage stabilised power supply, which we now extend to a variable voltage supply with a feedback control.

In figure 6 the base voltage of TR1, and therefore the output voltage, is controlled by the voltage developed across

causing a high voltage across R1 which will switch TR1 off.



Looking at the whole circuit, the feedback maintains the output voltage, set by VR1. If the output voltage drops because of a high load, the voltage on the base of TR2 will drop, causing a reduced current flow through R1.

This results in a lower voltage drop, which in turn sets the base of TR1 more positive and brings it harder

R1. This is due to the current drawn through the resistor by TR2. TR2, in turn, is switched on by the voltage applied to its base through VR1.

on, restoring the output voltage. If the output tends to rise, the reverse happens.

So much for the theory, let's look at a practical circuit, as in figure 7.

When VR1 slider is turned to the 0v end, TR2 will be cut off. As there will be no current flow through R1, the voltage across it will virtually be nil and TR1 will be switched hard on.

What has changed?

If, on the other hand, the slider of VR1 is turned to the +v side, TR2 will be hard on, there will be maximum current drawn,

The resistor R1 from figure 6 has been split into R1 and R2 in figure 7, and a capacitor C1 from the junction to ground is included. TR1 has TR2 added, turning it into a super alpha pair. R3 is an addition as well as R4 and R5.

The capacitor C1 is added to reduce the ripple that may be introduced by the basic supply. It couldn't be connected directly to the collector of TR3 because it would dampen any voltage change across the resistor, thus affecting the regulation.

The increased gain produced by introducing TR2 improves regulation and ensures that TR1 reaches its full potential.

The resistor R3 increases the current flow through the zener diode to bring it to a more positive regulation point.

Resistors R4 and R5 set the control point to cover the required range and also allow a full swing of the potentiometer, making the adjustment less sensitive.

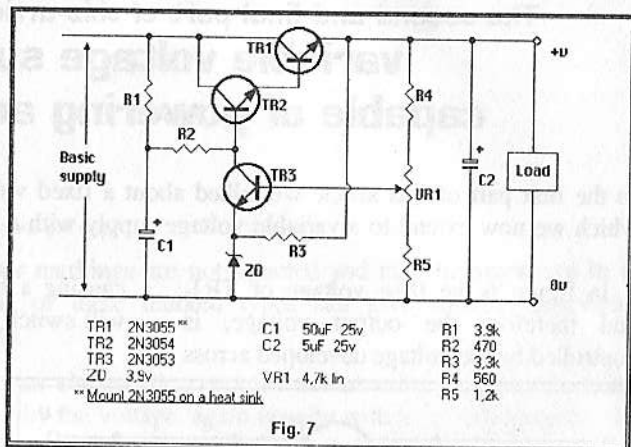


Fig. 7

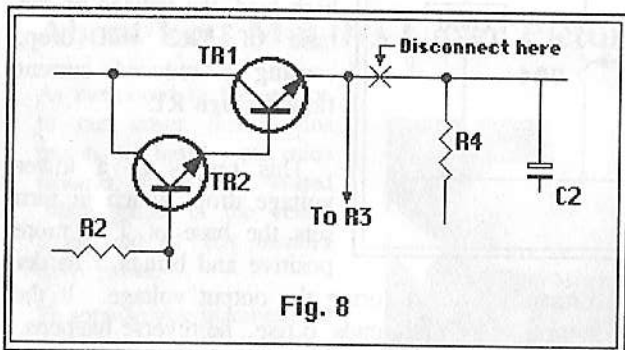


Fig. 8

This supply can be comfortably used to 5-6 amps at voltages from about 5v to nearly the basic supply voltage.

The current handling capability can be considerably increased by adding a number of 2N3055's connected in parallel. The collectors are connected together, the bases together but each emitter gets



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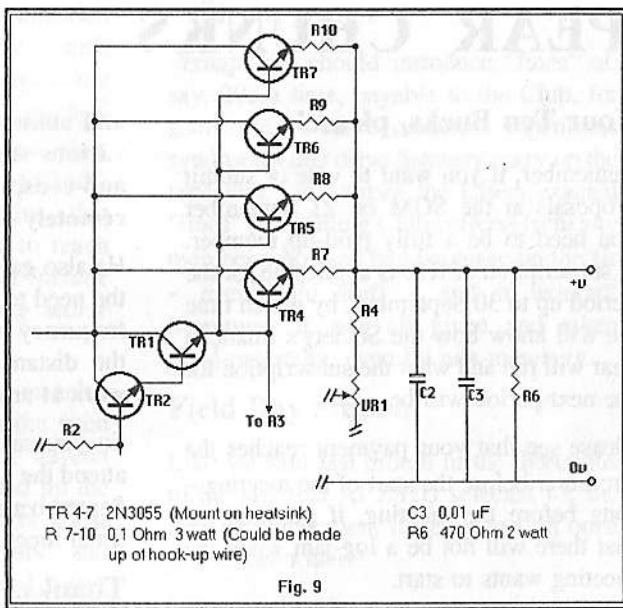


a 0,1Ω resistor in series before being connected to the output.

Two additional transistors will increase the output to about 15 amps and each further addition will safely add 7 amps.

Of course, one must ensure that the basic supply is capable of handling the increase.

The circuit should be disconnected at the point indicated in figure 8 and reconnected as shown in figure 9.



Have you thought about...

- the interim Constitution that we have to review at the September meeting?
- ideas for our Society's new badge?
- who you would like to have on the new committee?
- *Wot? You ain't???* Now's the time for all good persons to *fink* on vese fings. (Have you noticed that Naas don't talk like that no more?)

FOR SALE ★ WANTED ★ SWOP

WANTED

- ★ Two power transistors PT9847 or MRF412 – preferably the former (PT9847). Can be second-hand, Main tuning variable capacitor for early model Swan 350 – Dudley Forsyth ZS2AW ☎ (0461) 2-3985 or write 10 Cromwell St. Grahamstown 6140.
- ★ Circuit diagram for Megapower VHF FM transceiver A-1251M – Chick Mosley ZS2LM ☎ (041) 54-1594 all hours.

GIVE-AWAY

- ★ Teleprinter T100 (Siemens) with tape perforator and auto transmitter attached, in excellent condition (*absolutely free but you must collect it!*) – Garth ZS2HB ☎ 38-1101 or call at 13 Risa Road, Providentia PE.

FOR SALE

- ★ Gerry ZS6IK is disposing of 99 items, including test equipment, transceivers etc.– ☎ (011) 708-1157 or for a list send large SASE to PO Box 1142, Roosevelt Park 2129.

PEAR CHUNKS

Your Ten Bucks, please!

Remember, if you want to vote or submit proposals at the SGM on 21 September you need to be a fully paid-up member. A subscription of R10 is applicable for the period up to 30 September, by which time we will know how the Society's financial year will run and what the subscription for the next period will be.

Please see that your payment reaches the Treasurer before the start of the meeting – long before the meeting, if possible, so that there will not be a log-jam when the meeting wants to start.

EL's new Club

Congrats to our Border friends on the establishment of their new Border Amateur Radio Club. May it go from strength to strength, and may we hear them BARCing regularly on the intecnets.

Cheque for PEARS from VW

The Society received a handsome donation of R3500 from VW for its efforts in providing comms for the VW Algoa Rally recently. Claims from members for out-of-pocket expenses have to be taken out of this amount and the residue will go into the Society's funds. Thanks VW – and thanks to all who organised and helped with the comms.

Technical Evening

Those who missed the constructors' group tech talk last month missed a very enlightening discussion by Ken ZS2OC on direction finding. Ken gave a rundown on the early DF equipment

and showed how it developed through various stages, each with its own pros and cons, to the present state-of-the-art remotely operated equipment.

He also gave us a look at propagation and the need to select not only the appropriate frequency but also the type of antenna for the distance over which you intend to work at any given time.

So you see, you'd better make a plan to attend the next tech talk on Wednesday 25 September at 19:30 in the DMC/CDC (our usual meeting place).

Thanks, Lionel!

While Trevor ZS2AE and Julie ZR2EY have been jolling overseas these past few months, Lionel ZS2DD has kindly attended to the less pleasant chore of collating, stapling, folding, addressing and posting QSX. Many thanks, Lionel. It's a lousy job, isn't it? And welcome back to Trevor and Julie. Too late to do QSX this month but just in time to whip up some lekkernye for the SGM. What a life.

The Messages *must* get through!

Ordinary ham communications are, in terms of the Regulations, of such a nature that it matters little if our transmissions cannot get through due, for example, to poor propagation conditions, QRM etc. We can always try again when conditions are better if we *really* want to have a contact with someone.

Hamnet, on the other hand, was set up to provide emergency, or at least urgent, communications during disasters or

breakdowns in normal communication channels. By their nature, such communications *need* to get through come what may. But what is the best mode – perhaps the only viable one – to use when conditions make communications difficult? CW! Yet the various modules that members need to pass in order to reach the top Hamnet echelons *do not include the ability to communicate using morse code!*

I suggested such a requirement as an aside during an Intecnet dealing with the need for the retention of CW, but I haven't heard whether Hamnet has picked up the gauntlet. Shouldn't their members know how to communicate efficiently and securely before they learn to read maps, for example?

Speaking of communicating efficiently – how about the SARL and the clubs holding an *honest reporting and proper operating week* every year? All hams would be asked to give honest, full reports on one another's signals, check routinely for splatter, distortion etc., and try to rectify any shortcomings before carrying on with general chit-chat. In addition, each would report to the other how many times he meaninglessly said "there", "and er", "aah", "HI" "QSL?" etc. We would also remind one another that we don't have "personals" but "names" and that we should give our callsigns clearly, fully and regularly.

How about it? Of course, we don't *have* to wait for someone to organise a special week. We can do it with *every* QSO. A regular net in which I participated some years ago cured me of the "and-er" syndrome in this manner (I aah *think* I'm aah cured) and it can work if we all accept a bit of leg-pulling in the spirit in

which it is given.

Perhaps we should introduce "fines" of, say, 20c a time, payable to the Club, for some of the more common, repetitious syndromes that drive listeners crazy on the repeaters. In Umtata the CBers exacted "fines" (benefitting Club coffers) from any member who used bad language on the air – even mild stuff – and it worked! Moreover, it was all given and taken good-naturedly, even by non-members.

Field Day Station

Like we said last month in the directions to the site that AI ZS2U selected for the field day operation, it's easy to find once you've been there!

I know of at least one potential visitor who couldn't find the station, and I nearly gave it best. But it was worth the search and, although I can't imagine towing a caravan to the site, it is certainly a pretty one, with a grand view to the hinterland after a short walk through the trees, which host a variety of birds.

The station was operated under the callsign ZS2RS rather than ZS2PE because only SARL members and affiliated clubs were eligible for awards and our Society is not affiliated.

Since serial numbers were not required to be exchanged it was not possible to determine how our station was doing vis-a-vis others, so we will have to wait for the results to be announced.

Our thanks to AI and his helpers, of whom there were unfortunately not a very large number, for organising and participating in this event. And surely, next time we have a DF hunt, we should let AI organise it and save on prizes. He *knows* how to *hide* a station! Ω

Silent Keys— We learned with regret of the passing of Gordon Knapp ZS6AFL on 25 August. Our sympathy goes to his XYL Joan and family. We also read of the recent demise of Reg Shamley, ZS2HV while in the UK and we extend our sympathy to his family too.

Congratulations

on your birthdays:

September

- 26 The One & Only ZS2HB
- 27 Ewalt Bouwer ZR2ABN

October

- 2 Renee Olivier ZR2ABD
- 6 Colin Ashwell ZS2AO
- 7 Francis Roberts ZS2HE
- 8 Raphie Schauder ZS2SP
- 8 André Oliphant ZR2BC
- 13 Peet van Heerden ZS2BX

on your anniversaries:

September

- 23 Joey & Desmond Pettit ZS2ABU
- 28 Hettie & Gerald Taylor ZS2AAX

October

- 3 Susanna & Mike Bosch ZS2FM
- 9 Kay & Fred Strutt ZS2JS
- 10 Joan & Bill Browne ZS2BY
- 24 Jo & Al Akers ZS2W & ZS2U
- 30 Patricia & Ron Fitzmaurice

65 years married last month Evelyn & Stan Geer ZS2KV of EL.

on passing the CW exam Elaine ZR2ELF and Sheldon ZR2SW, two very young East Londoners who followed ZS2SZ Vic's course on 2m. (With Iris ZS2AA, EL now probably has the

oldest and youngest YL ops in RSA).

Welcome R.A.E. Candidates

Shawn Corder, Vaughan and Richard McIntyre (father and son), Gustav and Louis Grasman (brothers?), Quinton Carr (son of Stoffel), Johan Smit, Allan Bent (formerly ZS1LL), Grant Kruger, Michael MacMillan and Frikkie Potgieter. Glad to have you all with us – good luck with the studies!

Welcome home Chairman Dick ZS2RS, Trevor ZS2AE and Julie ZR2EY Scarr, all from overseas visits.

Travellers Joan & Bill Browne ZS2BY in the Kruger Park and Drakensberg for a few weeks; Les ZS4WA was cruising around the Eastern Cape early August.

Ill or injured Louis Saunders ZS2CB back from Kingsbury hospital in Claremont, Cape Town, while Roger ZS1J had a finger badly crushed while yachting. [I warned you about getting tangled up with wenchies on the boats, Roger! Oh, you say it was a *winch* on the yacht? Sorry!] Hope you two are shipshape again as you read this.

Sorry! – Last month we omitted Pam's callsign ZU1PAM in her birthday greeting. Even worse, we omitted Mike Bentley ZS2IC completely. Hope you had a great birthday on 23 August, Mike. Ω

Your Society's Committee

Chairman; Special Events	Dick Schönborn ZS2RS	38-5070
Vice Chairman	Al Akers ZS2U	30-2983
Secretary	Bert van der Poel ZR2USA	55-2690
Treasurer; Assets Control	Clive Fife ZS2RT	32-3203
assisting with Assets Control	Lynne Crothall ZS2MM	35-4671
Social; Library Awards	Owen Thomas ZS2AZ	38-4134
assisting with refreshments at meetings	Bill Hodges ZS2ABZ	51-2580
Repeaters: Packet	Chris Scarr ZS2AAW	38-1344
QSO Manager	Trevor Scarr ZS2AE	32-1746
assisting as QSO Editor/layout	Garth Laaks ZS2HB	38-1101
Technical Classes	Al Akers ZS2U	30-2983

PEARS' VHF & Other Services

REPEATERS

Town VHF	145.050/650	Grahamstown	*145.150/750
Town UHF	431.050/438,650	Kareedouw	145.125/725
Cockscomb	145.000/600	Lady's Slipper	*145.100/700
Cradock	145.050/650	Uitenhage	145.075/675

* East London's repeater on 145,125/725 MHz is linked to PE's coastwise 2m repeater system.

OTHER SERVICES

Packet Bulletin Board (ZSØNTP)	144.675 & 144.600
Packet Rose Switch (ZSØGHT,046101)	144.675
2m Beacon (ZS2VHF CW ID)	144.910
6m Beacon (ZS2SIX CW ID)	50.005
6m Link with Lady's Slipper 2m Repeater	51.400
Wefax Relay (Meteosat)	145.350

Sunday Bulletins

PEARS bulletins are transmitted on Sundays immediately after the SARL English transmission, i.e. at about 08:45, on 7098 kHz as well as the 2 metre linked network that provides coverage from East London to George and environs via repeaters on 145,750 MHz (Grahamstown), 145,700 (PE Slipper), 145,650 (Knysna), 145,700 (George) and East London's 145,725. PEARS' 7098 or 3640 kHz transceive facilities are also remotely linked as needed. Alternatively, the SARL's 40m transmissions on 7082 or 7066 kHz can be patched in for automatic relay to the 2m system.

Date	Prepare and Read on 145,750
15 Sep	ZS2AZ
22	Chairman
29	Vice Chairman
6 Oct	Secretary
13	Treasurer
20	?

DIARY DATES

SEPTEMBER

21 PEARS spec'l gen'l meetg
25 Constructors' gettogether

OCTOBER

6 80metre Hamnet contest
19/20 JOTA

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