



WATTS

10 - 2004

Year 74+10m

Monthly newsletter of the Pretoria Amateur Radio Club
Maandelikse nuusbrieff van die Pretoria Amateur Radio Klub.



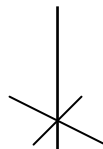
PARC, PO Box 73696 Lynnwood Ridge 0040, RSA



<http://www.qsl.net/zs6pta>

ZR6FD bilingual | tweetalige logo!

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ZS6BAQ



Bulletins : 145,725MHz 08:45 Sundays / Sondag

Relays : 1840, 3700, 7066, 10135, 14,200 MHz
depending on season

Swapshop: After bulletin 2m and 40m (also on-line)

Wedstrydspan – VHF SARI UHF - Contest team

Agter/rear: Moses, Pine ZS6OB (co-ord), Pieter ZS6PVW, Pierre ZR6PJH, Sander ZR6SW (logistics), Pieter ZR6ATH (pwr distr)

Voor/front Vlasta SW of Ivan ZS6CCW, Lizette ZR6LZT, Ivan ZS6CCW, Craig ZR6REV.

Not in photo: Hans ZR6HVG, Magda ZS6MVW – more detail on p5.



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Redaksioneel
Ledenuus
Dagboek
Brokkies
Wedstrydverslag
Bladsy agt

Next Meeting

Date: 14-10-2004
Time: 19:30 for 20:00
PARC Clubhouse,
South Campus,
University of Pretoria.
SE cnr University and
Lynnwood roads.

Management team / Bestuurspan Aug 2004- Aug 2005:

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Editorial

Summer is upon us and all living creatures are usually instilled with a new zest for life. I presume this also applies to Radio Amateurs to do the necessary outside- and inside maintenance, and consider their future role in the hobby. Our club will soon resume DF hunting and some serious efforts are already being made to prepare for the contesting season. Members not yet infected by events around them should really take note and do something useful with their investment. Have you been operating an HF and/or VHF rag-chew station all these years? Try something different – make use of the facilities available not only by our club but other clubs as well.

Pretoria amateurs have access to Packet on 144,675MHz and 430,600MHz, IRLP on 438,825MHz, APRS on 144,800MHz, Echolink on 145,750MHz, a 10m repeater on 29,590MHz FM, a 6m repeater on 50,100MHz, access on 70,200MHz FM simplex and even reach a parrot repeater on 70,150MHz for experimental work. You can also link into the Free State on 145,6125MHz using an 88,5Hz tone. If you have an all-mode V/UHF radio and a PC try using WSJT software to extend communication boundaries to thousands of km.

On receive-only there is a DX-cluster on 144,700MHz and WEFAX on 145,750MHz.

Talk to satellite NA1SS on 145,800MHz.

Many of these facilities have been put there by individuals who love their hobby and ask nothing in return.

Let's keep the bands busy – commercial frequencies are monitored for sufficient traffic – possibly ours too?

Redaksioneel

Die somer is met ons en dit boesem weer nuwe lewe in by alles wat leef en beef. Ek neem aan dit is ook van toepassing op Radio Amateurs om die nodige buite- en binnestandhouding te doen en hulle toekomst in die stokperdjie te betrag. Ons Klub sal binnekort weer met Jakkalsjagte begin en daar is alreeds ernstige voorbereidings aan die gang vir die komende wedstrydseisoen. Lede wat nog nie deur die aktiwiteite aangesteek is nie behoort kennis daarvan te neem en iets nuttigs doen met hulle belegging. Het julle net 'n HF en/of BHF babbel-stasie bedryf al die jare? Probeer iets anders – maak gebruik van die fasiliteite wat ons en ander klubs beskikbaar gestel het. Pretoria amateurs het toegang tot Pakket op 144,675MHz en 430,600MHz, APRS op 144,800MHz, Echolink op 145,750MHz, 'n 10m herhaler op 29,590 FM, 'n 6m herhaler op 50,200MHz, toegang op 70,200MHz FM simplex en selfs kan 'n paggaai-herhaler bereik word op 70,150MHz vir eksperimentele werk. U kan ook inskakel op die netwerk tot in die Vrystaat op 145,6125MHz met 'n 88,5Hz toon. As u 'n alle-modus B/UHF radio besit, kan kommunikasiegrense na duisende km verleng word met WJST sagteware.

Op ontvangs-alleenlik is 'n DX-cluster op 144,700MHz en WEFAX op 144,750MHz.

Praat met satelliet NA1SS op 145,800MHz.

Baie van hierdie fasiliteite is deur individue daar gestel vir die liefde van die saak en vra niks daarvoor nie.

Kom ons hou die bande besig – kommersiele frekwensies word dopgehou vir voldoende verkeer – ons s'n dalk ook?

Minutes of the monthly club meeting of the Pretoria Amateur Radio Club held at the South Campus of the University of Pretoria on 9 Sept 2004

Welcome: Hans ZS6KR declared the meeting open and welcomed all who attended.

Attendance: The meeting was attended by 26 members, 2 visitors, Kobus ZR6D and apologies were received for Bill ZS6KO, Almero ZR6RY, Willie ZR6WGR, Malcolm ZR6OLM and Doreen ZR6DDB.

Personal Matters/Lief en leed: Johan ZR6JHB reported that Katti ZS6KVR had a eye operation and that her eyesight had improved slightly.

Minutes of previous meeting: The minutes of the previous meeting as published in Watts were approved. Proposed by Pierre ZR6PJH and seconded by Roy ZS6XN.

Matters arising from previous minutes: None.

Club Activities:

DF Hunt: Johan ZR6JHB – No DF hunt planned for September – DF hunt will start in October.

Fleamarket: Hans ZS6KR – Next Fleamarket – 27th November 2004.

Rallies/Tydrenne: Johan ZR6JHB – Volgende Tydren – SCC Ellisras Toyota Rally. Vind plaas op 2 Oktober 2004 in Ellisras omgewing. Tydren sal afgehandel word oor 11 sneltrajekte. Die dienste van 6 veldstasies, 3 mobile stasies en 1 beheerstasie word benodig.

PMC Great North Rally – 15/16 October in Tzaneen area. Will be run over 13 stages.

We need 5 fieldstations, 5 mobile stations and 1 control station. Officials will stay over at the Wayside Lodge on the outskirts of Tzaneen. Members who can assist must please phone Johan on 082-492-3689 or 011 – 221-6690 during office hours or 012 – 803-7385 in the evenings.

Social: Johan ZR6JHB – Social gathering - 2/12/2004 - Last club meeting of the year.

Daar word n braai beplan vir almal wat betrokke was met tydrenne die afgelope jaar. Daar sal weer soos verlede jaar van die PMC se geriewe gebruik gemaak word en die datum sal binnekort verskaf word.

Financial Report. Richard ZR6CK – Reported on the club's finances. Receipts – R2034.00: Payments – R1216.70
Cash on Hand R1257.32

SARL VHF/UHF CONTEST: Pine ZS6OB - Hippo Quarries identified as the competition site. They need help to put up station from Friday 17 Sept. as well as operators to man the various radios and to assist Hal ZS6WB at his home from where he will be operating.

A meeting is scheduled for Friday 10th to finalize arrangements. Members involved this far are: Pine ZS6OB, Sander ZR6SW, Hal ZS6WB, Magda ZS6MVW, Pieter ZS6PVW en Pieter ZR6ATH.

Ham Dairy:

SEPT	30	SARL subscriptions final payment date.
OCT	02	Boot sale – East Rand Radio Club.
	02	PMC Ellisras Toyota Rally.(Regional)
	03	RSGB 21/28mhz Phone Contest.
	04	Schools open.
	07	Second leg SARL 80m QSO Party.
	04 – 10	International Space Week – Intechnet on APRS 20:00
	14	Closing date RAE.
	14	PARC club meeting 20:00

Algemeen/General: No discussion under general.

Presentation: Repeaters: "Everything your parents did not tell you" by Tjerk ZS6P and Pine ZS6OB.

Next meeting: The next meeting is scheduled for 14th October 2004.

Closing: The meeting closed at 21h45. Thanks to Molly ZR6MOL for serving tea, coffee and a bite to eat.

Editor's comment on the presentation: The information presented by Pine and Tjerk was well received and closely followed. The constituent parts of a complete repeater system were shown and the necessity for certain configurations and specifications explained. Not to forget the all-important antenna system and feedline.

Many feedline samples and specification comparisons were shown. Much discussion evolved on this subject with emphasis on bringing home the fact that an investment in good feedline and connectors for the frequency and environment concerned is very worthwhile.

Next month's talk will be on repeater linking by Kobus ZR6D.

Birthdays Verjaarsdae

October



02 Andre ZS6BRC
 03 Poppie ZS6BCP lv van Hansie ZS6AIK
 06 Danny ZS6AW
 06 Louis ZS6HF
 09 Ed ZS6UT
 10 Harry ZS6AMP
 10 Roy ZS6MI
 11 Kevin ZR6KM, seun van Tim ZS6TIM
 13 Manny ZS6AKX
 13 Bill ZS6KO
 14 Gary ZR6TB, son of Joe ZS6TB
 16 Vasti, dogter van Hennie ZR6HEN
 16 Hennie, seun van Hansie ZS6AIK
 17 Stuart ZS6-2502
 17 Frikkie ZS6MF
 19 Arnold ZS6-2506
 20 Corlene, dogter van Hansie ZS6AIK

Anniversaries Herdenkings

Oktober

06 Poppie ZS6BCP en Hansie ZS6AIK
 12 Elmarie ZR6AXF en Johan ZR6ANF
 13 Susan en Freddie ZS6JC

20 Martinho ZS6BQP
 21 Louise, lv van Almero ZR6RY
 21 Jan ZS6BBK
 26 Callie ZS6BRY, seun van Freddie ZS6JC
 26 Ken ZS6NB
 28 Carl ZS6NC
 30 Viv ZS6BZS
 30 Andre ZS6GCA
 31 Jessica daughter of Jac ZS6QA

Nuwe Lede

Welkom Pieter van Wyk ZS6PVW en Lizette van Wyk ZR6LZT

Sick Parade

Bertha, LV van Hans ZS6KR is ernstig siek
 Hattie, LV van Fred ZS6MRA sterk aan na 'n
 Spider ZS6SO is seriously ill.



operasie.

Krukkelys

PARC Diary | Dagboek

Oct 02 Boot sale at East Rand Radio Club
 02 PMC All-Tar Rally (Regional)
 03 RSGB 21/28MHz Phone Contest
 04 Schools open
 07 Second leg SARL 80m QSO Party
 04-10 Int. Space Week – Intechnet on APRS 20:00
 14 Closing date RAE
 14 PARC Club meeting 20:00
 15-16 Great North Nasionale Tydren
 15-16 CQ-Hou Koers
 16-17 Jamboree on the Air (JOTA)

Attention


**Die Klub beplan 'n
 eind-jaar funksie
 op die aand van 26
 26 November.**

Aandag

**The Club is planning
 a year-end function
 on the evening of 26
 November.**

Atlas Restaurant UP Campus
 Cold and warm buffets and dessert. R60 per person
**Book now with Willie ZR6WGR. Contact details in
 Committee list this issue p2. Half deposit required.**

Snippets | Brokkies

- **Eighth PARC Club Participation Trophy in the bag!**
 HF Contest provisional results were published as follows : 

Pretoria ARC	968 pts
Cape Town ARC	835
Bloemfontein RAC	775
- Ever wonder what happened to Dwight West ZS6NT? Though not a Club member of late, he now is AD7AQ in Eugene, Oregon, USA.
- Doppies ZS6BAQ en Estie ZR6EST het lekker vakansie gehou in Switzerland en Ierland.
- **NEW!** Every Monday night 8pm on 145,725MHz there will be a get-together for V/UHF aficionados to discuss their interests, problems and projects.
- Hamnet: General Meeting at NARC 14:00 Oct 23.
- Note: the PARC December meeting will take place on 2 December.

SARL V/UHF Contest snaps

The photos in this issue indicate that some of our members are quite serious and have completed a successful practice run to prepare for a ZS6PTA top honors bid in next year's V/UHF contests. More on our website later.

Hierdie uitgawe se fotos dui aan dat van ons lede ernstig is daaroor en 'n proeflopie suksesvol voltooi het om voor te berei vir 'n ZS6PTA 'n wentoekening in volgende jaar se B/VHF wedstryde. Meer hiervan later op ons webwerf.



Final touches to the antenna farm



Pine in aksie

Uit Pine se pen: "Hierdie was hoofsaaklik 'n logistiese oefening om almal vertrouwd te maak met toerusting, antenna oprigting, kragvoorsiening, kamp oprigting ens. Dit was 'n baie suksesvolle poging wat almal geniet het en daar was geen logistiese probleme nie; alles het goed gewerk. Selfs ondanks die weer was daar geen skade nie net baie stof en natuurlik stof tot nadenke .

'n BHF-belangegroep konsep is in die vooruitsig gestel met gereelde kommunikasie en bymeekaarkom-geleenthede vir klein projekte en dan 'n sosiale kuiertjie daarna. Daar is steeds ruimte vir verbetering en opskerping en spesifieke situasies mbt tot bv. antenas vir spesifieke omstandighede sal hanteer word.

Ons het beslis meer klublede se betrokkenheid nodig veral met die oog op voorbereidings en kampvestiging want as die operateurs effektief wil wees moet hulle meer ruskans gegun word en minder betrokke te wees met bv. al die oprigtingsaangeleenthede. Strategie sal ook vroegtydig beplan moet word en meer klublede sal op die lug moet wees tydens die wedstryd self vir 'n groter aantal kontakte.

Die nuwe reëls sal ook ander logistieke situasies na vore bring wat ons sal moet aanspreek Baie dankie aan almal wat wel betrokke was en soveel van hulle tyd beskikbaar gemaak het - dit word opreg waardeer.

Om kompetender te wees sal ons beslis moet kyk na geleenthede soos informele QSO partytjies om almal te help om te bepaal waar elkeen bv sy eie stasie kan verbeter. Hierdie is net die begin en die sukses daarvan sal afhang van hoeveel klublede meer betrokke gaan raak en meer te wete gaan kom oor hoe effektief hulle stasies wel kan wees. Almal is welkom, hierdie is nie 'n geslote groep mense nie, dit is ons almal se stokperdjie en die ideale geleentheid om meer daaruit te kry". Groete PINE ZS6OB



Ivan ZS6CCW (OK1LL) seems happy..

Lizette ZR6LZT haal die punte binne



Craig ZR5REV and Pierre ZR6PJH. Are they relaxing?



In deel 1 het ons die algemene werking van Echolink bespreek, in hierdie deel kyk ons meer die verskillende keusekaarte en hulle onderskeie funksies. Wanneer die Echolink program opgeroep word, word die hoofkeusekaart vertoon soos in **Figuur 1** aangetoon. Hierdie kaart bevat die mees algemene besonderhede van die program, bv.

1. Lys van al die stasies wat op daardie oomblik op die Echolink webwerf aktief is. Die stasie is groepeer in Herhalers (Repeaters-R), Skakels (Links-L), Gebruikers (Roepsein alleen) en Konferensie groepe, roepsein tussen *.*
2. Die ikone wat die meeste gebruik word is die heel skakel, 2de van links en die gebroke skakel 3de van links. Die 2de skakel van links word gebruik wanneer die gebruiker op 'n roepseine besluit het en kontak wil maak en die gebroke skakel wanneer die gebruiker die Echolink skakel wil breek.
3. Besonderhede van die plaaslike stasie en alle ander wat aan jou stasie gekoppel is word in die regter boonste paneel vertoon. Links onder is die volume stafie wat die sterkte van die inkomende en uitgaande sein aandui.
4. Die wit balkie regs onder word gebruik om dmv die sleutelbord met gekoppelde stasies te kommunikeer sonder om die audio gesprek te onderbreek, bv. vra die ander stasie of jou volume na wense is, of ruil e-pos adresse uit ens.
5. Regs, heelonder is daar vertoonvensters wat aantoon dat Echolink gekoppel is en flits daar dan twee balkies (RX&TX) wanneer Echolink onderskeidelik in die ontvangs- of stuur modus is.

Figuur 2 Laat die gebruiker toe om sy persoonlike besonderhede in te voeg bv. Roepsein. E-pos adres ens.

Die instelling in **Figuur 3** is baie belangrik aangesien dit die vloeiendheid van die die gesprek na weerskante beïnvloed, elke rekenaar en internet verbinding is eiesoortig en die gebruiker moet speel met die instellings totdat die beste resultate bereik word.

In **Figuur 4** word die waardes gestel soos aangetoon, dit verhoed dat die TX/RX na 'n vasgestelde periode outomaties afskakel en **Figuur 5** toon die fyner instelling aan, weereens is dit afhanklik van die gebruiker se eie opset in terme van hardeware, tipe modem ens.

In **Figuur 6** besluit die gebruiker of hy/sy meer as een stasie wil toelaat (Conferencing) en of sy inligting aan alle stasies gestuur moet. Dit is wenslik om dit te doen anders is u nie sigbaar nie en weet niemand van u nie.

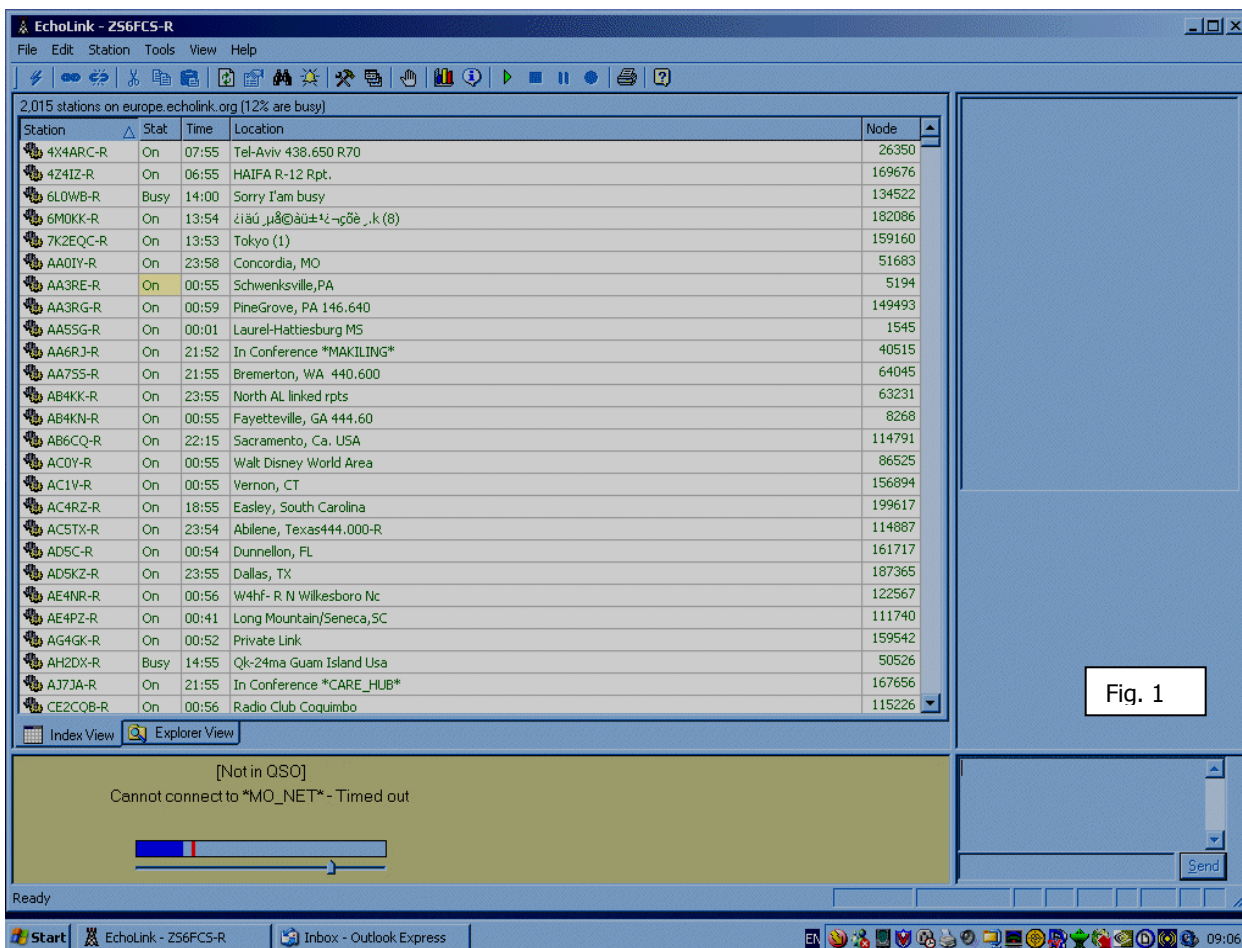


Fig. 1

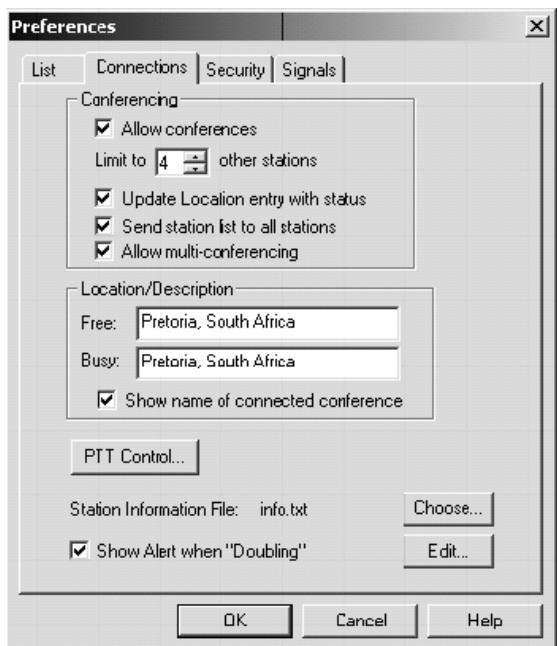
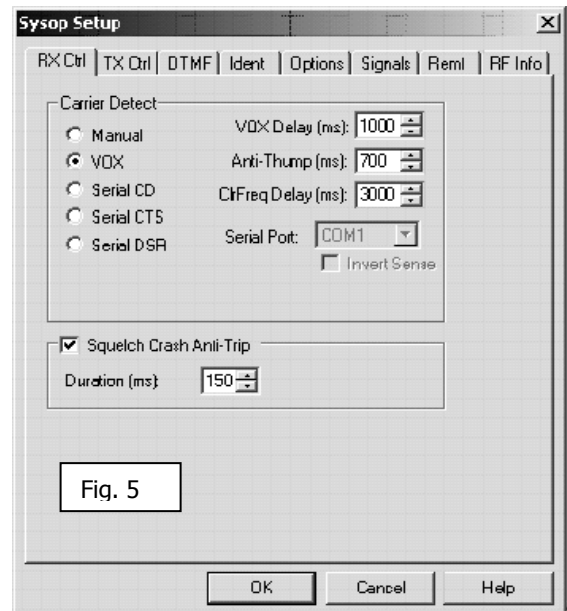
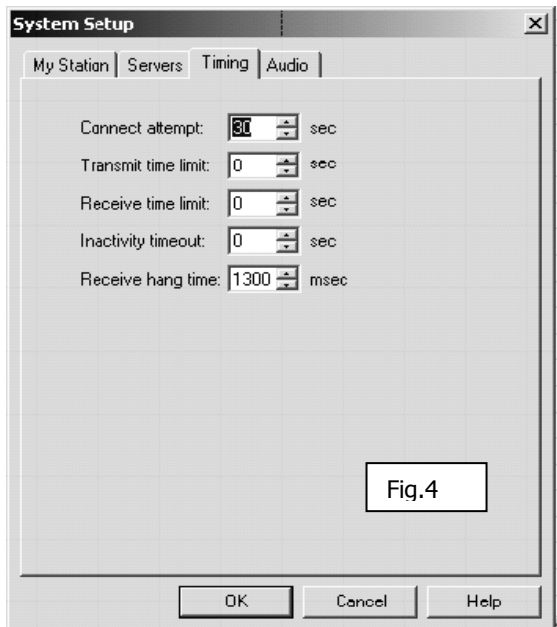
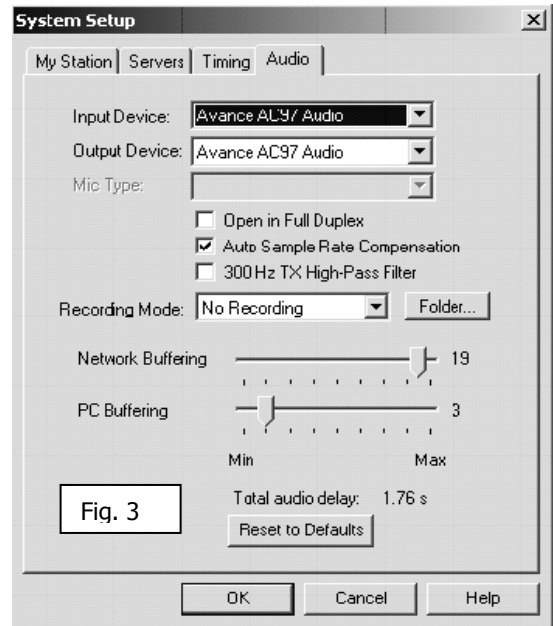
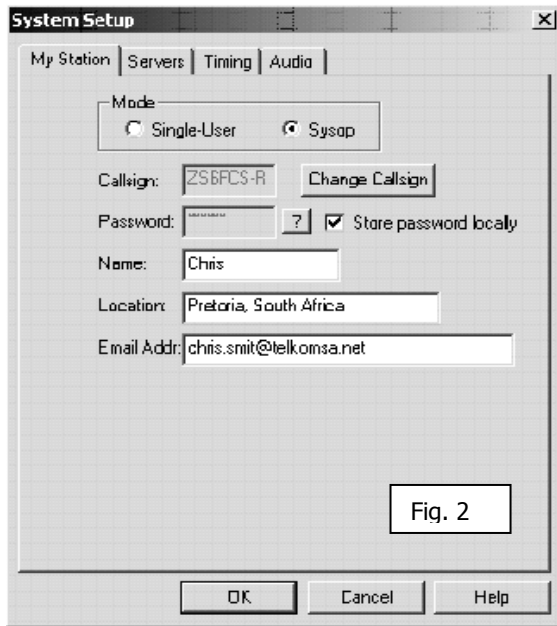


Fig. 6

Ter afsluiting, Echolink het geweldig baie instellings wat deur 'n gebruiker volgens sy/haar keuse ingestel kan word en sal 'n detail bespreking van elke keusekaart heelwat bladsye beslaan.

Die volledige handleiding kan vanaf die Echolink webblad afgelaai word by www.echolink.org of ek sal dit aan u e-pos, stuur net 'n leë e-pos aan zs6fcs@telkomsa.net met die woorde "Echolink artikel" en ek sal dit aan u stuur. U is ook welkom om my te skakel by 082-4641007 of 012-3331826 indien u meer wil weet.

Sluit aan by die jongste tegnologie en ontdek die wye en interessante wêreld van amateur radio!

UNUSUAL USE FOR RADIO

(Insert stolen from Namibian Amateur Radio League Newsletter Sept 2004)

Radio and radio waves can and are used for various purposes. Gus V51XG , one of our regular contributors has come up with a unique use for his radio:

HOW TO KILL VERROCAS. (WARTS)

Who has not been bothered by verrocas during his life? They give you no pain but one somehow can do very well without them. Amongst other methods to get rid of them this is a very profound one. It should only be implemented by licensed radio amateurs:

While experimenting with an end-fed antenna, a parallel circuit with the antenna wire attached to it, on my desk, I accidentally burned my fingers at it. With the fading pain an idea formed: Why not kill the verruca that felt very much at home on my left little finger with RF? To burn it away would surely be too painful but the application of great heat would definitely kill the bacteria responsible for it. So I laid the insulated antenna wire across it and slowly increased transmitting power. As a matter of fact, the frequency used happened to be 7 MHz. At around 80 watts I reached the threshold of pain that I still could bear.

This procedure I repeated three times the following days. The time of application was not longer than 3 minutes. The verruca is gone without a trace. So don't you dare and come back. I'll use 14 MHz otherwise next time!

FROM PARC RECORDS

An advert in **WATTS of 1986**: "20Mb NEC HDD with controller card, special at R1685"

LUTHER (ZS6E) , TO THE POINT:

(from **WATTS Nov 1978**)

In promulgating your esoteric cogitations or articulating your various superficial or profound observations, beware of platitudinous ponderosity. Let your extemporaneous discantings and unpremeditated explanations possess intelligibility and vivacity, coalescent consistency and concactinated cogency without rhodomantic or thrasonical bombast. Eschew all conglomeration of june babblement and asinine affectation, sedulously avoid all polysyllabic profundity, pompous prolixity and ventriloquial verbosity; shun prurient jocosity, obscurent or apparent.

In other words, speak plainly, naturally, truthfully, briefly and purely. Avoid slang, don't put on airs, say what you mean, mean what you say and
AND DON'T USE BIG WORDS.

HOW CAN YOU LIVE WITHOUT KNOWING THESE THINGS? (insert stolen from from HARC Hotline Oct 2004)

Each king in a deck of playing cards represents a great king from history:

- Spades - King David
- Hearts - Charlemagne
- Clubs - Alexander, the Great
- Diamonds - Julius Caesar

~~~~~  
If a statue in the park of a person on a horse has both front legs in the air, the person died in battle. If the horse has one front leg in the air the person died as a result of wounds received in battle. If the horse has all four legs on the ground, the person died of natural causes.

~~~~~  
Q. If you were to spell out numbers, how far would you have to go until you would find the letter "A"?
A. One thousand

~~~~~  
Q. What is the only food that doesn't spoil?  
A. Honey

~~~~~  
In Shakespeare's time, mattresses were secured on bed frames by ropes. When you pulled on the ropes the mattress tightened, making the bed firmer to sleep on. Hence the phrase..... "goodnight, sleep tight."

~~~~~  
It was the accepted practice in Babylon 4,000 years ago that for a month after the wedding, the bride's father would supply his son-in-law with all the mead he could drink. Mead is a honey beer and because their calendar was lunar based, this period was called the honey month ... which we know today as the honeymoon.

~~~~~  
In English pubs, ale is ordered by pints and quarts... So in old England, when customers got unruly, the bartender would yell at them "Mind your pints and quarts, and settle down. It's where we get the phrase "mind your P's and Q's"

~~~~~  
Many years ago in England, pub frequenters had a whistle baked into the rim, or handle, of their ceramic cups. When they needed a refill, they used the whistle to get some service. "Wet your whistle" is the phrase inspired by this practice.