



ZR6FD Jubilee logo!


drukwerk papier / paper
printing ZS6KO
ZR6CK ZS6PVW familie

WATTS

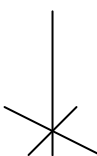
04 - 2005

Year 75+4m

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.gsl.net/zs6pta>

 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)

This front page could have had your picture! – Hierdie voorbladsy kon jou foto op gehad het!

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in hierdie uitgawe

Next Meeting

Date: 14-04-2005
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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Klubfasiliteite,	Willie Greyling	ZR6WGR	willie@up.ac.za	082-940-2490 083-653-2101

Editorial

Rummaging through my computer files I discovered my earliest reference to when I started relaying 2m<>40m. That was almost nine years ago in July 1996. Not much later I was also alternating with SK Kevin ZS6KPN to read the English version of the SARL News. Surely our members do not want to hear my voice every week to perpetuity - and neither can I guarantee that there will be no hiccups in my physical presence each and every Sunday.

I have to break the spell under which our members seem to be that all these things happen faithfully without anyone ever having to be involved.

If you are a proficient English speaker, we need you to come forward and offer your services as alternative readers for the SARL News bulletin on 2m. This is a matter of some urgency and surely a pleasurable duty to perform for your club- and country listeners. Another two members should have facilities to relay this transmission to 40m with quality and some output power; doing alternate duty.

It is by no means guaranteed that my contributions can continue as regular as in the past due changing personal circumstances. Apart from this there is a real need for redundancy to ensure continuity in these services.

Redaksioneel

Toe ek my rekenaarleërs deurgaan, ontdek ek die eerste verwysing van toe ek herleidings begin doen het tussen 2m<>40m. Dit was amper nege jaar gelede in Julie 1996. Nie lank daarna het ek elke Sondag met SS Kevin ZS6KPN gewissel om die Engelse weergawe van SARL Nuus te lees. Ons lede en die land wil tog sekerlik nie elke week na my stem tot in der ewigheid luister nie – nog kan ek waarborg dat daar geen onderbrekings in my fisiese aanwesigheid elke lieue Sondag sal plaasvind nie.

Ek sal die betowering moet verbreek waaronder ons lede vertoef dat al hierdie dinge gedwee gebeur sonder dat iemand ooit betrokke hoef te wees nie.

As jy 'n bekwame Engelse spreker is, het ons nodig dat jy vorentoe kom en jou dienste aanbied as alternatiewe lesers van die SARL News bulletin op 2m. Dit is 'n betreklik dringende saak en sekerlik tog aangenaam om so 'n diens vir jou klub- en die land se luisteraars te lewer. Nog twee lede behoort fasiliteite te hê om om-die-beurt herleidings na 40m te kan doen met kwaliteit en redelike krag uitset.

Dit is nie meer gewaarborg dat my bydraes so gereeld kan plaasvind as in die verlede as gevolg van persoonlike omstandighede. Buiten dit is daar 'n waarlike behoefte vir oorkompleetheid om ons dienste ononderbroke te kan voortsit.

Minutes of the monthly club meeting of the Pretoria Amateur Radio Club held at the South Campus of the University of Pretoria on 10 Ma. 2005

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

Attendance: by 25 members and two visitors, Egbert ZS6AZG and Mary Ingleson sw of Bill ZS6KO.

Apologies were received from Joe ZSTB, Sander ZR6SW, Almero ZR6RY, Doreen ZR6DDB and Lizette ZR6LZT.

Personal Matters/Lief en leed: Jac ZS6QA was a guest at the Eugene Marais Hospital for a short while.

Matters arising from previous minutes: None.

Minutes of previous meeting: The minutes of the previous meeting as published in Watts were approved. Proposed by Willie ZR6WGR and seconded by Vitor ZS6VG.

Club Activities:

Rallies/Tydenne: Johan ZR6JHB reported that the next rally will be the Middelburg Nissan/Witbank Auto Rally on 19 March 2005 in the Middelburg area. Johan needs three (3) Radio Marshals to do communications on the event.

DF Hunt/Jakkalsjag: Johan ZR6JHB reported that the next Foxhunt will take place on Saturday 12 March 2005. Starting time 14h00 at the Botanical Gardens in Silverton. Bill ZS6KO will be the fox. Everybody is welcome to participate and a bring & braai will be the home of Pierre ZR6PJH afterwards.

Social/Sosiaal: Willie ZR6WGR reported there will be a social event during May at PMC in Silverton. Details to follow.

Finance Report/Finansiële verslag: Richard ZR6CK reported that the club's finances are in good shape.

Projects/Projekte: UHF/VHF Competition - club not to participate - not enough hands to put up a station. Tjerk ZS6P reported that the rules had changed many times and it is very difficult to participate.

Repeater/Herhaler: - Busy investigating interference on 2m and on 70cm. Ask members to be patient.

Fleamarket/Vlooiemark: Willie ZR6WGR - Voorgestelde datum van vlooiemark - 27 April 2005 .

Ham Diary/Dagboek. Members were informed of the main events for the following month

General/Algemeen:

Hans ZS6KR - ZS75PTA QSL cards designed.

Johan ZR6JHB - intends to do Hamnet Bulletins on Sundays - will speak to ZS6BUU.

Awards/Toekennings:

Tjerk ZS6P presented Hans with the 2004 SARL HF Club Competition certificate – 1st Place Phone & CW.

Hans ZS6KR – 2nd place CW and 3rd place Phone

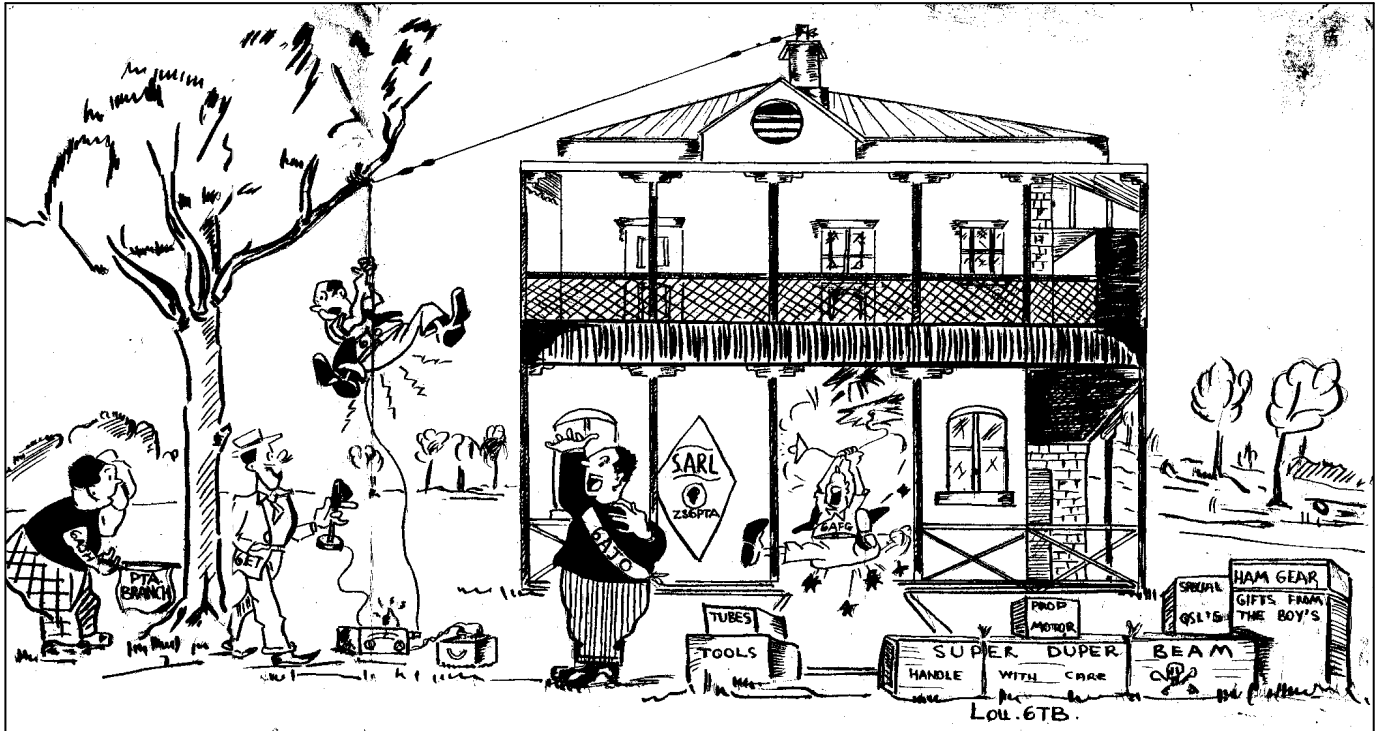
Presentation/aanbieding: Video - Mullard valve manufacturing. Thanks to Willie ZR6WGR for the AV equipment.

Next meeting/Volgende vergadering: 14/04/2005.

Closing/Sluiting: Die vergadering het 21h00 verdaag.

ZS 75 PTA

1930-2005



"PRETORIA BRANCH MOVE TO THEIR NEW CLUB HOUSE"

**Clubhouse "ZS6PTA", Von Wielighstr 372
Inaugurated 9 June 1960 by 38 members and 14 visitors.**

(Prior meetings were held at the Pretoria Technical College and prior to that in the Libri Building, above van Schaik's, Church street)
After Von Wieligh street the Pretoria Motor Club (PMC) premises were used at the Showgrounds.



www.qsl.net/zs6pta

ZS75PTA

1930-2005

Commemorative call sign of the Pretoria
Amateur Radio Club, Rep. of S. Africa.

ITU Zone 57

CQ Zone 38

Acknowledging QSO with:

Station	Mode	Report	Date	UTC	Band

To all members:

This QSL card is now available to club operators using the ZS75PTA call.

Any member is welcome to use this call on any band and any mode provided no two operators use it on the same band at the same time.

Arrange with Hans ZS6KR which times, days, weekends, weeks or competitions – local or international - you wish to use the call.

Cards will be provided free of charge.

Birthdays

Verjaarsdae

April



- 01 Melanie, daughter of Ed ZS6UT
- 02 Fred ZS6MRA
- 04 Joe ZS6AIC
- 07 Tamzyn, daughter of Gary ZR6GK
- 08 Ronell ZS6BRX, dogter van Freddie ZS6JC
- 08 Bertha, lv van Hans ZS6KR
- 08 Klasie, seun van Tjerk ZS6P
- 09 Tanya, daughter of Frank ZS6GE
- 10 Joey, sw of Graham ZR6GJR
- 11 Susan, dogter van Freddie ZS6JC
- 12 Marina, dogter van Hennie ZR6HEN
- 12 Jan ZS2LJ
- 13 Liam, son of Vince ZS6BTY
- 19 Anne, sw of Jac ZS6QA
- 21 Wynand ZS6ARF
- 22 Hennie ZR6HEN
- 22 Marieta, sw of Roy ZS6MI
- 24 Antonio ZS6OAJ

April

Anniversaries

Herdenkings

- 02 HannieZR6JMP en Callie ZS2CWP ()
- 02 Annemarie and Bernie ZS6ANU ()
- 02 Pieter ZS6PVW en Magda ZS6MVW (22)
- 04 Diana en Louie ZR6LVW (18)
- 05 Chrissy ZS6JX and Dave ZS6JW ()
- 06 Lynn and Andre ZS6BRC ()
- 07 Rae and Mike ZS6AFG ()
- 08 Jeanne ZR6GPC and Sander ZR6SW (12)
- 12 Rika and Errol ZR6VDR (36)
- 30 Joey and Graham ZR6GJR (22)

- 25 Gerhard, son of Sander ZR6SW
- 25 Erna, dogter van Freddie ZS6JC
- 27 Elsie, lv van Albert ZS6JU
- 28 Tracey, daughter of Vitor ZS6VG
- 29 Heather, sw of Vince ZS6BTY

Stil sleutel

Met leedwese het ons kennis geneem dat OK Callie, ZS2CWP op 2 April oorlede is. Ons innige meegevoel aan sy lv Hannie ZR6JMP en familie.

Sick Parade | Krukkelys

Jac ZS6QA was in hospital for a short while and is now progressing well. Bertha, LV van Hans ZS6KR moes alweer 'n draai by die Eugene Marais Hospitaal maak.



PARC Diary | Dagboek

- Apr** 04 Schools open
- 07 SARL 80m QSO Party (1st leg)
- 09 SARL AGM
- 10 SARL Hamnet 40m contest
- 14 PARC Club Meeting**
- 18 World Amateur Radio Day
- 27 PARC Fleamarket (Wednesday)**
- 26-27 CQWW WPX SSB Contest
- 28 ` Easter Monday/Family Day

- May** 01 Worker's Day
- 02 Public holiday
- 06 Ascension Day
- 08 Mother's Day
- 12 PARC Club Meeting**

Sunday 15 May PARC "day in the sun" at PMC. Special invites to our old-timers to celebrate our 75th anniversary. Other clubs also invited. More details will be announced.

Snippets | Brokkies

- **2m QSO PARTY!** Amateur operators equipped for 144MHz FM that are within working distance of Johannesburg and Pretoria are invited to take part in an area-wide **2m FM QSO PARTY** that will take place during the afternoon of Sunday, **April 17th between 2 and 5 PM**. Although primarily intended to be a fun event and on-the-air get-together, awards will be made to the top-scoring three OM and three YL operators. The exchange for the QSO Party will be call signs, signal reports, and the name and age of the operator and all designated simplex frequencies may be used. YL operators should substitute the number "88" for their age and your score will be the total ages of all the stations you have contacted. It will be great to have all of the old-timers as well as the YL operators participate, so please spread the word to everyone. The QSO Party will be sponsored by the Pretoria Amateur Radio Club and logs should be sent to them. Full details can be found on both the PARC and SARL websites.
- **DF Hunts:** The next DF hunt will take place **16 April 2pm** from the Botanical Gardens. Bring and Braai afterwards at the QTH of Johan ZR6JHB. The previous hunt was won by Vince ZS6BTY who found the fox after 42 minutes at Fort Klapperkop. On the way to the bring and braai at the QTH of Pierre ZR6PJH, the VW Variant (1973) of Richard ZR6CK ran out of petrol...

- Our **ZS75PTA call sign** was used in the Commonwealth CW Contest during the weekend of 12-13 March operated by ZS6KR. Some 250 contacts were made under fair conditions on 10, 15 and 20m but only a few on the noisy 40 and 80m bands.
The call was again used in the WPX SSB Contest on 26-27 March. 300+ contacts were made in similar conditions mostly on 10 and 15m in a N-S direction. Logs have been mailed to the organizers concerned.
- **Tydrenne:** Ons sal betrokke wees by die PMC Toy-Toy tydren (Bronkhorstspuit) op **23 April**. Later op 5-7 Mei is die groot 17-stadium Total tydren tussen Pretoria en Badplaas. Lede wat wil betrokke wees, moet hulle aanmeld asb.
- By die onlangse **Sci-Tech uitstalling** in Pretoria het Richard ZR6CK en Bill ZS6KO elkeen 'n dag diens gedoen onder die roepsein ZS6MRK.
- Willie **ZR6WGR** het onlangs sy bedanking as komiteelid ingedien. Johan ZR6JHB sal vir die res van die jaar sy funksie mbt sosiale aangeleenthede oorneem. Willie sal egter nog steeds steun kan verleen met apparaat wat by ons aanbiedings benodig word. Dankie Willie vir jou werk in die verlede as komiteelid.
- 'n **Trofee vir satellietwerk** was geskenk deur (SK) Prof. Callie ZS2CWP. Dit was oorspronklik verskeie jare terug amptelik aan hom geskenk vir verdienstelikheid ivm die toepassing van satellietkables vir lang-afstand onderwys en opleiding. Klublede word dus nou aangemoedig om amateur-satelliet kommunikasie aan te pak. Die trofee sal by ons AJV in Augustus oorhandig word aan die persoon wat die meeste inisiatief kan bewys.



BEWARE THE LICENSE FOR LIFE - RSGB fights Authorities

– Could it happen in ZS?
(Extracts from packet messages from G3ZHI)

In Britain the authority Ofcom put forward a proposal document with the intended preference to tempt amateurs with a free license for life and then after a few years completely de-regulate the hobby.

The free license for life was going to be proposed in such a way that amateurs would think they were going to get a good deal and then once that had been accepted, Ofcom would re-visit the licensing issue and de-regulate. They have made the de-regulation statement both in the 'Spectrum Review Consultation Documents' published in late 2004 and in the yet to be published 'Future of Amateur Radio Licensing Consultation Document'. De-regulation and outsourcing are of course fashionable words in 'Government speak' at the moment in order to reduce financial commitments and resources involved. Quoting the CEO of Ofcom: "the future of all spectrum users is 'self regulation'"

The RSGB began to realize that the intention was to bypass their proposed responsibility to issue licenses and do the administration and, that in future:

- De-regulation would disenfranchise all amateurs.
- De-regulation would remove the need for examinations.
- De-regulation would mean the amateur bands would be license-free
- De-regulation would mean that without a license all amateurs cannot operate abroad whilst on holiday.
- De-regulation would mean that any amateur who moves to live in another country cannot transfer his license.
- De-regulation would mean the end of the repeater network.
- De-regulation would mean the end of the packet network.
- De-regulation would mean the end of band plans and a free for all on the bands.

The RSGB was not prepared to see the hobby of amateur radio destroyed and challenged the Ofcom arrogance by highlighting the dangers of de-regulation to the authorities. As a result the Ofcom Board threw out the immediate publication of the supposed Consultation Document and sent it back for re-evaluation.

The RSGB requested a document that is 'genuinely consultative' and was prepared to assume responsibility for issuing and renewing licenses.

The RSGB put out a plea to every amateur, both member and those few who are not members, to be prepared to fight to save amateur radio:

"If you do not fight, when the time comes, be prepared to say goodbye to operating on holidays abroad, to foreign DXpeditions and all the benefits the hobby brings. These are not empty threats on the future of amateur radio – they are real and must be robustly opposed by the amateur radio community. The RSGB is the only negotiating vehicle so the message to members must be to join us to fight de-regulation, join us to save our license, join us in the fight to save our spectrum, join us to save our status".

In mid-March an RSGB delegation to Ofcom discussed their concerns at length and an agreement was reached that *de-regulation would not be any more an option*. Whether it will truly be taken off the agenda in all its guises will only be seen when a new Licensing Consultation Document sees the light of day in mid-April.

Quoting G3ZHI: "The defense of our hobby will be a long-term struggle for which our National Society needs the support of all our Amateurs"

The old (1952) Patents Act stated in Section (vi) that an invention is ant "art (whether producing a physical effect or not), process, machine, manufacture or composition of matter"

In other words, any machine, device, tool, chemical compound or process, building method, electrical circuit and even medicines could have been an "invention" was very wide, and it included certain types of inventions, which were not patentable under the Patent Laws of some foreign countries (eg: games, medical methods and perhaps even computer programmes)

This has been changed with the **1978 Patents Act**. This act does not give a definition of an invention. It merely lists a number of things or types of invention **which are not patentable**.

It has to be assumed that, **anything else is patentable provided certain extrinsic requirements are met**.

Section 25(2) of the Act puts it very definitely:

Anything which consists of-

- a) a discovery
- b) a scientific theory
- c) a mathematical method
- d) a literary, dramatic, musical or artistic work or any other aesthetic creation.
- e) a scheme, rule or method for performing a mental act, playing a game or doing business
- f) a program for a computer; or
- g) the presentation of information

shall not be an invention for the purpose of this act"

Explanation of terms

1. Discoveries. Inventions require the creative thought of man. Something which exists (although not known to man) cannot be invented – it can only be discovered.

In a nutshell: *discovery is pure knowledge; invention is applied knowledge.*

It is of no consequence whether the discovery is due to a fortunate occurrence, or due to systematic, scientific and time-consuming research. The discovery of electricity, although a giant leap forward in technology, involved no invention. Yet the invention of the electrical bulb or generator (both applications) are examples of outstanding inventions.

2. Scientific theories. Examples of well known theories include Dalton's Law, the Bernoulli Law, Doppler Effect, Einstein's Relativity Theory, etc. These theories are logical summaries of discoveries and are not patentable as they do not create something but define the existing.

3. Mathematical methods. Pythagoras' Theorem, Integral and Differential Calculus etc. are also not patentable. They are a theoretical representation of existing facts or methods of calculation, not the creation of a patentable technical innovation.

4. Subjects of the Copyright Act. Literary, dramatic, musical or artistic work or any aesthetic creation are not patentable. However it is possible that an artistic work may also involve technical features and may then be patentable. An example: a particular kind of painting including an electrical circuit to illuminate certain lights and cause mechanical movement of parts of the painting so as to create a special effect.

5. Mental acts, game playing, business. These schemes, rules or methods represent a direct activation of human thought and basically involve rules for the mental activity of other persons. These suggestions wish to convey some knowledge. A scheme, rule or method for performing a mental act, method of teaching, playing a game eg: card game, are not patentable. Yet a game comprising a technical innovation, eg: a board with special attachment members for the playing pieces, may be patentable.

6. Computer programmes. In the old Act there was doubt about the patentability of software. Now it is clear: the law says "no" to patent protection for computer programmes. The only protection as such is in terms of the Copyright Act (Act98/78). This has been confirmed by the South African courts. See Northern Office Equipment case 1981(4) SA 123(c)

However, it must be remembered that the "hardware" as opposed to the "software", is patentable.

The absence of a proper method of protection for computer programmes represents a regrettable hiatus in the overall system for intellectual property protection. (Ed: I am uninformed as to the current status in 2004) At present (1990) a suitable method of computer programme protection is being investigated by authorities and other interested bodies all over the world.

7. Presentation of information. The presentation of information, by way of graphs or tables, cannot be patented. Yet there is copyright protection available for such presentations.

Immoral inventions.

Certain inventions which fulfill all requirements regarding patentability may be "immoral" or "offensive" can be refused the grant of a patent if it can be used contrary to Law unless a disclaimer or other reference as to the illegality thereof is inserted in the specification. An example is where an invention can be used for both a legal and illegal purpose, such as a machine which can be used for both amusement and illegal gambling purposes.

Inventions contrary to natural laws.

An invention is considered as frivolous as it claims to be an invention concerning anything obviously contrary to well-established natural laws, it will not be considered as patentable. Eg: Perpetual motion machines.

When is an invention new?

It is a basic concept of Patent Law that a valid patent can only exist if the invention had been *novel* or *new* on the *effective date* or *priority date* of the patent. The patent must not have been available to the public anywhere in the world. Hence any public lecture, publication, any television or radio programme or any newspaper publication of an invention will destroy the novelty of the invention.

If an invention appears to be new, the next question is if it is "obvious", meaning that possibly anyone could have thought of it. Patent applications often are filed for inventions which involve minor differences from what is known. These are termed "thin" inventions which can often cause uncertainty and costly patent litigation cases.

A safer patent is one that is "unobvious" to "a person skilled in the art".

Usefulness of an invention.

Many inventors never put into practice what they have in mind. When an invention is applied practically, it may not work. Unworkable and inutile invention applications will not be granted. The inutility of an invention may not lie in the invention itself, but can also be in the presentation of the specification by having made impossible promises, methods, or illustrative examples. A patent can be revoked "if the invention illustrated or exemplified in the complete specification concerned cannot be performed or does not lead to the results and advantages set out in the complete specification".

Eerste virus op 'n selfoon gevind.

Cabir, die eerste bekende selfoonvirus, het eergister vir die eerste keer sy opwagting op 'n private gebruiker se selfoon gemaak.

Die teenvirus-groep Symantec het gister bevestig dat die virus vir die eerste keer buite 'n laboratorium-omgewing gevind is toe iemand sy selfoon ingeneem het vir herstelwerk in Kalifornië in die VSA.

Volgens me. Aimee Peters, woordvoerder van Symantec in Suid-Afrika, is Cabir se verskyning 'n ernstige waarskuwing oor die bestaan van hierdie virusse en die moontlike negatiewe uitwerking daarvan.

Hoewel Cabir nie gevaarlik is nie, kan toekomstige weergawes geskryf word om rekenaar-virusse na te boots. Dit sluit in om

inligting te stoor en aan te stuur, die selfoon se geheue uit te wis of selfs outomaties te bel na duur buitelandse nommers sonder die selfooneienaar se medewete.

Cabir het in Junie verlede jaar opspraak gewek toe 'n groep virusskrywers genaamd 29a 'n voorbeeld van die virus aan Symantec in die VSA en Kaspersky Labs in Rusland gestuur het. Virusskrywers stuur dikwels só 'n voorbeeld aan teenvirus-maatskappye om klem te lê op wat hulle in die toekoms kan doen.

Dié virus is nie skadelik nie, maar bevestig dat selfone, wat deesdae soos volledige rekenaars funksioneer, ook kwesbaar is vir virusse.

Die Cabir-virus versprei op die Epochbedryfstelsel.

Sogenaamde slimfone, soos die Nokia 6600 en die SonyEricsson P900, gebruik hierdie bedryfstelsel en is dus kwesbaar.

Symantec het gister gesê Cabir hou geen gevaar in vir gebruikers nie en die foon sal altyd eers 'n versoek rig voordat hy 'n nuwe lêer installeer.

As 'n selfoongebruiker dit per abuis installeer, sal die virus die Bluetoothsender aanskakel en soek na aparatuur om homself heen te stuur.

Dit sal beteken dat die selfoonbattery baie vinniger pap word.

Maatskappye soos Symantec het reeds teenvirus-programmatuur vir selfone soos die Nokia Communicator beskikbaar.

Magic of Math

- > $1 \times 8 + 1 = 9$
- > $12 \times 8 + 2 = 98$
- > $123 \times 8 + 3 = 987$
- > $1234 \times 8 + 4 = 9876$
- > $12345 \times 8 + 5 = 98765$
- > $123456 \times 8 + 6 = 987654$
- > $1234567 \times 8 + 7 = 9876543$
- > $12345678 \times 8 + 8 = 98765432$
- > $123456789 \times 8 + 9 = 987654321$

Tjerk

T - BONE SHIRT

INSTRUCTIONS

TAKE T-SHIRT OUT, PULL IT OVER YOUR HEAD AND PUT YOUR ARMS THROUGH THE HOLES. YOU ARE WEARING A T-SHIRT NOW.

WHEN TEMPERATURE OUTSIDE IS BELOW 10 DEGREES WEAR SOMETHING OVER YOUR T-SHIRT, WHEN BELOW 0 DEGREES WEAR SEVERAL ITEMS OVER YOUR T-SHIRT TO PREVENT YOUR BODY FROM FREEZING.

(Etiket))

The Viking 10m Messenger



Growing old is mandatory – growing up is optional.

"Should life be a journey to the grave in an attractive well preserved body, or rather skid in sideways, cigar in one hand, drink in the other, body thoroughly used up and worn out while shouting "WOO HOO what a ride!"