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WATTS

06 - 2005

Year 75+6m

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

✉ PARC, PO Box 73696 Lynnwood Ridge 0040, RSA

web <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)

75th Anniversary

75^e Herdenking



In this issue

- Editorial
- Club history
- Minutes of Meeting- May '05 -Notule van Vergadering
- Member news and diary
- Snippets
- Technical
- Page eight

in hierdie uitgawe

- Redaksioneel
- Klubgeskiedenis
- Ledenuus en dagboek
- Brokkies
- Tegnies
- Bladsy agt

Next Meeting

Date: 09-06-2005
Time: 19:30 for 20:00
PARC Clubhouse,
South Campus,
University of Pretoria.
SE cnr University and
Lynnwood roads.

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Editorial

I am sure you have now all recovered from our recent club activities and it has become time for us not to hibernate in this coming winter, but to start thinking of indoor activities such as ham radio.

Have a look at your equipment, cables and antennas and see what can be upgraded, improved or should be replaced. Follow this up with some real operating! Make a point of doing some careful listening at the right times for a particular zone in the world. The lower bands are now the ones to go for during this part of the sunspot cycle and antennas are easily made of wire! Now is the right time of the year for comfortable outside work.

If all this sounds boring you must be a VHF/UHF fan but the same can also apply to you. Weathering and corrosion to outside hardware decreases performance. Try to climb the learning curve to some interesting modes besides FM.

Let's prepare ourselves over the winter months for a new season of activity with something old and something new.

Redaksioneel

Almal van julle het seker nou al herstel van ons onlangse klub aktiwiteite en dit word nie nou tyd vir 'n winterslaap nie, maar tyd om te begin dink aan binneshuise aktiwiteite soos amateur radio.

Kyk 'n bietjie na jou apparaat, kables en antennes om te sien wat opgegradeer, verbeter, of vervang moet word. Volg dit op met 'n 'n bietjie werklike bedryf! Maak 'n punt daarvan om noukeurig te luister op die regte tye vir 'n besondere wêreldgebied. Die laer bande moet nou geteiken word gedurende die huidige deel van die sonsiklus en antennes kan maklik van draad gemaak word! Nou is die tyd van die jaar wat gerieflik is vir buite-werk.

As dit alles vir jou vervelig klink is jy seker 'n BHF/UHF aanhanger maar dieselfde is op jou van toepassing. Wind en weer en korrosie op hardeware buitekant verminder werkverrigting. Probeer om die leercurve te klim na verskeie nuwe modes behalwe FM.

Kom ons berei voor oor die komende wintermaande vir 'n nuwe seisoen van aktiwiteit met iets ouds en iets nuuts.



Tydrenne

Die Total Rally is onlangs verby en die Sasol Rally sal binnekort plaasvind.

Het jy 'n passie vir vinnige motors, radio-aksie (met die klem op die AKSIE), baie praat, spanwerk, en stof? Hou jy daarvan om nuwe plekke te verken? Geniet jy dit om kreatief te raak met antennes? Dan is tydrenkommunikasie net die plek waar jy wil wees. Dit bied boonop die ideale geleentheid vir radio-amateurs om hul gesinne deel van hierdie stokperdjie te maak. Ons werk hard, ons speel hard, en ons geniet elke oomblik. O ja, en aan die einde van die dag kan jy ons selfs nog onder die stof herken, want ons glimlagte bly blink!
(Bydrae deur Jeanne ZR6GPC)



Een van die stasies by laasjaar se Great North Rally

Minutes of the monthly club meeting of the Pretoria Amateur Radio Club held at the South Campus of the University of Pretoria on 12 May 2005

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

Attendance: The meeting was attended by 13 members.

Apologies were received from Johan ZR6JHB, Almero ZR6RY, Pierre ZR6PJH, Malcolm ZR6OLM, Sarel ZR6GN, Magda ZS6MVW, Pieter ZS6PVW, Lizette ZR6LZT, Tjerk ZS6P.

Personal Matters/Lief en leed: Agnes, ZS6BAV sw of Ivan ZS6AUT passed away just before last weekend.

Matters arising from previous minutes: None.

Minutes of previous meeting: The minutes of the previous meeting as published in Watts were approved. Proposed by Brian ZR6BJS and seconded by Vitor ZS6VG.

Club Activities

Rallies/Tydrenne: Johan ZR6JHB het laat weet dat kommunikasie in die algemeen goed was maar omdat die herhaler op 'n ander (140m laer) ligging was, kon mobiele stasies nie inkom vanaf Ermelo nie. Dit het egter goed gewerk in die Warburton omgewing waar die meeste sneltrajekte was. Die volgende nasionale tydren is die Sasol.

DF Hunt/Jakkalsjag: Vanweë die afwesigheid van verskeie deelnemers word dit tot volgende maand uitgestel.

Social/Sosiaal: May 15th at PMC in Silverton. Day in the Sun response was 62 to date. Invitations to various functionaries of other clubs were sent as well one to Graham Hartlett.

Finance Report/Finansiële verslag: Richard ZR6CK reported that the club's current account is positive but that the social function cost will reduce that.

Projects/Projecte: Not discussed

Repeater/Herhaler: Hans ZS6KR reported interference from the east of Pretoria and this was confirmed by members present of whom were resident in Doornpoort, Garsfontein and Moreletta. This is not necessarily a repeater but could also be a crossband operation by an individual.

The 70cm DTMF tones were identified as an automatic transmitter response by an experiment conducted by Hans ZS6KR as being triggered by an 1060-1090 Hz audio tone. Normal speech also contains such a component and thus triggers the tone at odd times. As it is now easy to invoke this, the source should be easy to find.

Fleamarket/Vlooiemark: no report or discussion as Almero ZR6RY was away.

Ham Diary/Dagboek: The meeting was informed of local, national and international happenings up to middle June.

General/Algemeen: Hans ZS6KR suggested a collection for the SARL IARU membership fund. The amount collected would be doubled by the club. 13 members parted with R350 and so R700 was pledged. It was then agreed that we collect at the Day in the Sun from members who were not present and make that an additional amount.

Presentation/Aanbieding : Film on pre WWII Ultra domestic radio manufacturing – Courtesy Stan ZS6SDZ.

Next meeting.Volgende vergadering: 09/06/2005.

Closing/Sluiting: The meeting closed at 20h50. Thanks to Molly ZR6MOL there were refreshments and snacks. ZS6KR

Hal ZS6WB en Pine ZS6OB demonstreer 'WSJT' by Magalies RAK



A most informative lecture and demonstration on the various digital modes using WJST software took place at MRK on the afternoon of 21 May. PARC members Hans ZS6KR and Sander ZR6SW also attended. Of interest was not only the interesting presentation, but also the 6m 5 element yagi manufactured by Pine set up outside the premises.

Ed: What stuck in my mind was the fact that for 6m meteor scatter work a 2200 km radius is about the maximum distance that can be obtained. The antenna take-off angle is some 5° for Cape Town, 9° for PE and 14° for Durban. Consulting some literature on the subject, it seems that for most practical boom lengths the height above ground should be 1λ for 15°. When less than this, the take-off angle increases sharply and is strongly dependent on boom length. When higher than 1λ , the angle of the main lobe flattens and is down to 7° at 2λ . Hence it does not pay to go higher unless you want to go for DXing using normal modes. This is assuming there is clear terrain in the below- and forward direction of the antenna. A good compromise for MS work is probably $1,5\lambda = 9m$.

ZS 75 PTA

1930-2005

Commemorative function at PMC, Pretoria, followed by a relaxed *Day in the Sun* social get-together.



Secretary Johan ZR6JHB addressing members and vice chairman Almero ZR6RY presenting commemorative Club ties to past chairmen Bill ZS6KO, Tjerk ZS6P, current chairman Hans ZS6KR and Graham Hartlett, SARL President.



Several happy faces. (Clockwise)

Ivan OK1LL/ZS6CCW and sw Vlasta, Egbert ZS6AZG, Jac ZS6QA and sw Anne, Tony ZS6OAJ, Sylvia Iv van Tjerk ZS6P en Marieta van Roy ZS6MI, Willie ZR6WGR en Pieter ZR6AHT.

Birthdays

Junie Verjaarsdae



05 Louie ZR6LVW
 06 Simon ZS6AST
 06 Hermann ZS6SN
 07 Chantel, dogter van 'JB' ZR6YV
 08 Ronel, lv van of Pieter ZS6PSR
 11 Nadia, daughter of Frank ZS6GE
 14 Hilary ZR6HAP, daughter of Richard ZR6CK and Molly ZR6MOL
 14 Attie ZS6REY
 15 Claire, sw of Robert ZS6ARC
 17 Lynette ZR6LHT, dogter van Pieter ZR6AHT
 20 Malcolm ZR6OLM, son of Roy ZS6XN
 22 Richard ZR6CK

June Anniversaries Herdenkings

07 May and Wally ZS5WP ()
 19 Sue ZS6SUE and Don ZS6CRT (28)
 24 Marieta and Roy ZS6MI (34)

22 Kallie ZS6KCS
 23 Annemie, dogter van Pieter ZR6KSA
 26 Pieter ZR6PSR
 27 Emil ZS6EGB
 27 Jac ZS6QA
 27 Selma, sw of Joe ZS6TB

Silent Key

Our sincere condolences to Ivan ZS6AUT and family with the loss of his wife Agnes ZS6BAV.

Sick Parade | Krukkelys

Bertha, sw of Hans ZS6KR underwent orthopaedic surgery in early May.
 Ken ZS6NB was treated for a malady but is now his old self.

PARC Diary | Dagboek

June 04-05 IARU Reg 1 Field Day CW 1500-1459 UTC
 04-05 RSGB National Field Day 1500-1500
09 PARC Club meeting
 11 Portugal Day contest 0000-2400
 16 SARL Kid's Day 0700-0900
 18-19 All Asian DX Contest CW 0000-2400
 25-26 ARRL Field Day 1800-2100
 26-26 His Majesty of Spain Contest SSB 1800-1800

July 01 RAC Canada Day Contest 0000-2359
 01-03 PEARS mid-year digital contest
 02-03 Venezuelan Ind. Day Contest 0000-2359
 03 DARC 10m Digital Contest 1100-1700
 09-10 IARU HF World Championship 1200-1200
14 PARC club meeting
Aug 11 PARC AGM

Snippets | Brokkies

- **Buying spree:** Soon there will be 5 members operating the latest ICOM 756 ProIII HF/6m radio.
- **IARU Fund:** PARC assisted with R1200.
- **Johan ZR6JHB** has been appointed as the HAMNET Regional Coordinator for Gauteng North.

Please renew your membership before the end of June.

**R50 to FNB Account 546 000 426 73
 FNB Branch Lynnwood 25 20 45**

National Day of Portugal

A traditional Portuguese fair as described in the accompanying flyer will be held over the weekend of 4 and 5 June. Everyone is welcome. The Portuguese Club will use a special call sign ZS10JUN on 10-80m. Frequencies are 28,253, 21,253, 14,253 MHz and 7053, 3553 kHz. The normal club call sign is ZS6PDB as shown in its logo.



TRADITIONAL PORTUGUESE FAIR

*Saturday 4 &
Sunday 5 June 2005*

*Join us for
our
National
Day
Celebrations
and experience a touch of
Portugal in Pretoria*

- Portuguese Cuisine
- Folklore & Live Entertainment
- Arts & Crafts Exhibitions
- Sports Events (Sunday)
- Entertainment for Children

**STARTING AT 12H00 ON SATURDAY (4th of June)
&
FROM 10H00 ON SUNDAY (5th of June)**

At the Portuguese Club *ACPP*
 190 Kwagga Road, Proclamation Hill (Pretoria West)

Intellectual Property Law embraces the law relating to patents, trade marks, registered designs, copyright and unlawful competition. It also includes litigation, licensing and franchising.

In part I we dealt with Patents and what was patentable. This time more detail will be given on the abovementioned categories.

1. Trade Marks. A trademark is a means of identification of goods or services. It is one's symbol used in the course of trade to distinguish one's products or services from those of others.

It also serves as a guarantee of consistent quality, particularly when used by others under license. A trade mark can be a device, name, signature, word or words, letter, numeral or any combination of these, or a container for goods.

It must obviously be unique and not inherently deceptive, confusing, immoral or offensive.

An application for registration is usually made in a particular class or classes of goods or services. This definition is extremely important. Too narrow a specification will result in very limited rights being obtained.

The lifetime of a trade mark is 10 years after which it can be renewed every 10 years.

If it has not been used for five years it can be cancelled at the instance of an interested party.

The advantages of registration are manifold:

- a) simpler legal proceedings for passing off by others
- b) a basis of objection to others registering similar marks
- c) a deterrent to potential infringers
- d) easier appointment of licencees
- e) defensive registration in other classes possible
- f) easier registration in other countries
- g) protection against other proprietors of trade marks

A trade mark becomes generic when it has become generally recognized by the public as the only practicable name or description for any article or substance or service, and is commonly used by other traders.

Usage:

- a) A trade mark is an adjective and not a noun or verb.
- b) A trade mark should be immediately followed by the generic name of the product. Ie: Xerox machine.
- c) A trade mark should constantly be displayed in a characteristic form. Ie the way it was registered.
- d) A trade mark can be accompanied by the symbol ®

2. Registered Designs.

Design protection can be granted for the shape or configuration of a new article, for example a car., teacup or the pattern or ornamentation of a new design such as a design applied to fabric or wallpaper.

A design will be classified as new and original by judging the design features solely by the eye and different from any earlier designs disclosed to the public by say, publication.

Exclusions are design features that are solely dictated by the function it must perform as well as methods or principles of construction, and artistic matter such as calendars and certificates normally protected under the Copyright Act. The protection afforded by registration is restricted to the particular class or classes in which the design was registered.

Design protection is granted for a maximum period of 15 years. It is expected (1990) that functional designs not having an aesthetic component may in future be included such as engine parts.

3. Copyright.

Copyright subsists automatically in South Africa and in member countries of the Berne Convention.

Copyright is infringed if there is actual copying of an author's work. South African courts have held that a 3-dimensional copy of a 3-dimensional article which itself is made from a 2-dimensional work such as a drawing may be an infringement of the copyright of the 2-dimensional work. In other words, the direct copying of an article may now make the copier liable for copyright infringement whether the article is protected by a patent or registered design or not.

Different considerations apply to utilitarian artistic works. Infringement is waived if a 3-dimensional reproduction or adaptation of an original design is made available to the public, provided the original product is utilitarian and made by an industrial process. (since 1987) and appears to affect technical drawings and works of craftsmanship of a technical nature.

If a defendant of an action against him/her is not aware, and has no reasonable grounds for supposing that copyright subsists in the work concerned, the copyright owner is not entitled to damages although entitled to an account of profits. Else, if a flagrant infringement can be proved, appropriate damages can be awarded.

Exceptions. a) An authors' employer has full rights to work produced. Journalists however, retain that part of their copyright that falls outside the newspaper and periodical business.

- b) A person who commissions a photograph, painting, film, sound recording etc. and pays for it, is considered the copyright holder. An exception is an architect who retains copyright of his work.

Duration. A period of 50 years endures after the death of an author for literary, music and artistic works.
The same for sound recordings after the date of first publication.
The same for broadcasts and programmes carrying signals after the first broadcast.

Unlawful Competition.

Takes place when wrongful business conduct causes loss or damage to a competitor. Three basic requirements must be fulfilled:

- a) There must be an unlawful act.
- b) There must be an actual, or a likelihood of damage flowing from the unlawful act.
- c) A right or legal entitlement must have been interfered with.

There are well-known categories of unlawful competition:

- a) Passing off: is a misrepresentation by a party that certain goods or services are those of another party. This can be unintentional and in the form of the same, or a confusingly similar trade mark, symbol or get-up. The aggrieved party must have established a reputation of its own trade marks, names, symbols or get-up as a result of very extensive use.
- b) The breach of licensing laws, statutes and regulations dealing with labeling and the like may constitute sufficient reason for the institution of proceedings.
- c) Unfair Trading: Conduct against the accepted morals of the market place offending the general sense of justice of a particular business community interfering with a traders' right to attract custom causing actual or potential damage, can be reason to approach the Supreme Court for an interdict, and where appropriate, seek damages.
- d) Product misrepresentation: For example, Champagne not from Champagne, France may amount to actionable misrepresentation. On the other hand, extravagant statements about one's own products may not be true but not necessarily unlawful and considered as mere puffing.
- e) Malicious rumours.
- f) Misuse of confidential information about a competitor's business. For example, using a former employer's customer lists and data. This can also amount to a breach of one's fiduciary duties.

Cell Phones Exploding a Growing Problem

ESD Journal Home Page

Verizon Wireless announce recall of counterfeit cell phone batteries

CPSC, Kyocera Wireless Corp. announce recall of batteries in Smartphone cell phones and cell phone batteries

- 13-year-old cell phone user Michael Sathre stood stunned, ears ringing, hand gushing blood after his cell phone exploded. His father, Curtis said it was like a bomb going off. In a split second, fragments from Michael's exploding cell phone had hit him between the eyes and lodged in the ceiling of the family's home in Oceanside, Calif.
- A teenage California girl suffered second degree burns when her cell phone caught fire in her back pocket, according to the Ontario Fire Department.

U.S. phone makers and carriers say most fires and explosions are caused by counterfeit batteries and note that in a country with some 170 million cell phone users, the number of accidents is extremely low.

"Is it a problem? It has turned up, you bet. But statistically it is extraordinarily rare," said John Walls, spokesman for the Cellular Telecommunications & Internet Association. "But the fact that it has happened certainly has the industry's attention."

Some consumer advocates say the cause goes beyond bad batteries making their way to the market. They point to the increasing pressure on battery and phone makers to fit more capabilities into small instruments.

"If you're cramming more and more power in a small space, what you're making is a small bomb," said Carl Hilliard, president of the California-based Wireless Consumers Alliance, which has been tracking incidents of cell phone fires and explosions.

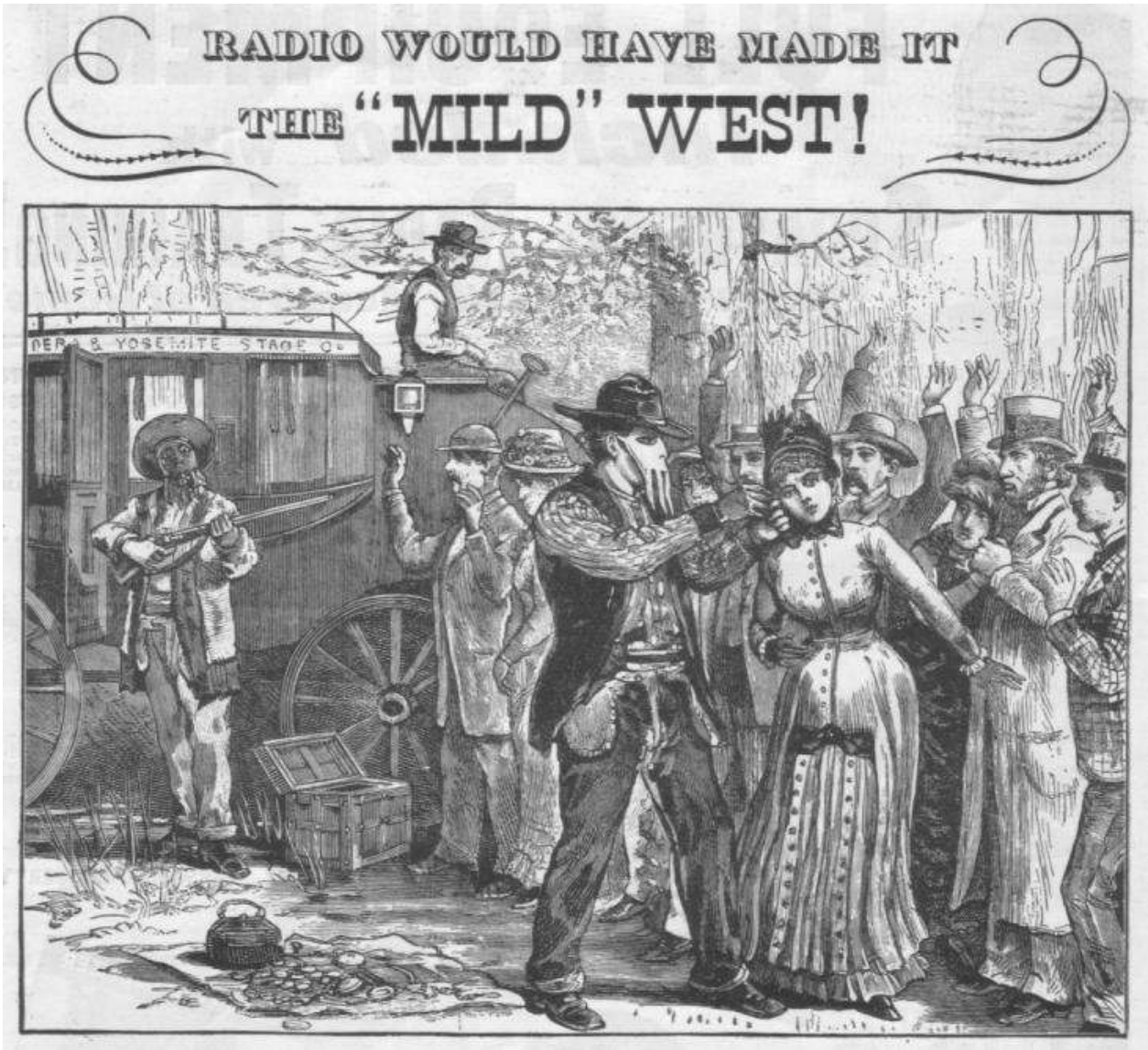
Though legitimate batteries can go wrong, there is a greater chance that poorly made, counterfeit ones will lack safety devices to detect overheating or overcharging. The lithium-ion batteries found in most cell phones can overheat if, for example, heat vents are covered.

The CPSC is trying to determine if improved venting is enough by itself to ensure safety. "We have seen temperatures as high as 600 degrees, and you can have a torch-like effect if these batteries don't function properly," Wolfson said.

Kyocera, which recalled 1 million batteries last month, said it has changed vendors and doubled efforts to test its own batteries.

Hoping to address problems that may lie beyond their supply lines, members of the wireless industry began collaborating last week with the Institute of Electrical and Electronics Engineers (IEEE), a standard-setting organization, to create voluntary design and performance standards for all batteries. "There needs to be high-quality batteries for these cell phones. You have a lot of power in a very small product, so it's really key," said Wolfson of the CPSC, which is participating in the meetings between wireless industry members and IEEE.

Carriers and manufacturers also are urging cellular users to exercise reasonable care of batteries, chargers and phones and to purchase them directly from phone companies rather than secondhand dealers or off the Internet.



RCA advertisement 1940

Some wisecracks.

- Save the whales. Collect the whole set.
- A clear conscience is usually a sign of bad memory...
- If you think nobody cares, try missing a couple of payments...
- Light travels faster than sound. That is why some people appear bright until you hear them speak..
- Everyone has a photographic memory; some of us just don't have film..
- 99% of Lawyers give the rest a bad name..
- Support bacteria. They're the only culture some people have..

No IRC, no green stamps, yet postage paid



The postage stamp is unnecessary to the enclosed envelope.
 You put QSL card in the enclosed envelope.
 You put an envelope in the mailbox next.
 Now, it is ending.
 Again, I say.
 The postage stamp is unnecessary to the enclosed envelope.