



WATTS

Pretoria Amateur Radio Club Newsletter

Website: www.parc.org.za

Email: zs6pta@parc.org.za

WATTS Monthly Magazine of the Pretoria Amateur Radio Club



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Stay Connected

- WhatsApp Group: Contact any committee member
- Bulletins: 145.725 MHz (Sundays 08h45)
- Relays: 439.025, 438.825, 145.725, 7.066 MHz + Echolink
- Swopshop: 2m & 7.066 MHz live after bulletin
- Rebroadcast: Mondays 19h45 (2m)



Birthdays | Verjaarsdae, Joys and Sorrows | Lief en Leed

Members' Birthdays — August | Lede Verjaarsdae — Augustus

Date	Name	Callsign
01 August	Rita Schroder	ZS6SLR
03 August	Paul Sterling	ZS6BMF
05 August	Hans Gurtel	ZR6HVG
07 August	Whitey Joubert	ZS6JJJ
08 August	Tobie Jansen van Rensburg	ZS6ZX
11 August	Andries Lombard	ZS6ABL
12 August	Ryan Sylvester	ZS6RSZ
26 August	Fanie De Kock	ZS6FDK

Wishing you loud signals, clear frequencies, and zero interference on your special day. Happy birthday!

Spouses' Birthdays — August | Gades Verjaarsdae — Augustus

Date	Member	Callsign	Spouse
09 August	Hans-Peter Knoepfler	ZS6AJS	Helga
24 August	Leon Fouche	ZS6LEF	Riana

May your celebration be filled with laughter, love, and new adventures. Enjoy your special day!

Members' Birthdays — September | Lede Verjaarsdae — September

Date	Name	Callsign
02 September	Vernon Fryer	ZS6AIG
11 September	Johan Lehmann	ZS6JPL
13 September	Zack Pienaar	ZR6ZAK
15 September	Willie van Niekerk	ZS6WVN
18 September	Louis Coetzee	ZS6GLC
22 September	Charlie Pretorius	ZS6CRR
26 September	Graham Reid	ZS6GJR
26 September	Pieter Malan	ZS6OP
26 September	Jacques Snyman	ZS6QS
27 September	Ryan Gibson	ZS6GGR
28 September	Irene Myburgh	ZS6IEA
29 September	Hannes Eloff	LISTENER

Spouses' Birthdays — September | Gades Verjaarsdae — September

Date	Member	Callsign	Spouse
16 September	De Jager Burger	ZS6ZO	Annelize
27 September	Sybie Van der Spuy	ZS6SY	Liezel
28 September	Pieter Myburgh	ZS6PAM	Irene

Wedding Anniversaries August 2026 | Huweliks Herdenkings Augustus2026

Date	Member	Callsign	Spouse
07 August	Edmar Willers	ZS6UT	Peggy
12 August	Jurie Ferreira	ZS6JFE	Geraldene
18 August	Charles Pretorius	ZS6CRR	Alice
29 August	Albert Schreuder	ZS6SE	Joydene

Wedding Anniversaries September 2026 | Huweliks Herdenkings September 2026

Date	Member	Callsign	Spouse
02 September	Elias Tibane	ZR6TT	Sarah
28 September	Benjamin D Greyling Greyling	ZS6YVC	Jessica
28 September	Roy Newton	ZS6XN	Retha
28 September	Jan Pienaar	ZS6OB	ERIKA
29 September	Sarel Stapelberg	ZS6EK	Karin

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FAST & RELIABLE SERVICE

Contests and Events | Kompetisies en Gebeure

August

- 2 August — SARL HF Phone Contest Sunday (1400Z – 1700Z)
- 9 August — ARRL EME Contest (0000Z, Aug 8 to 2359Z, Aug 9)
- 9 August — SARL YL QSO Party Sunday (1400Z - 1500Z)
- 9 August — SARL HF Digital Contest Sunday (1300Z - 1600Z)
- 15 August — SARL Youth QSO Party Saturday (1200Z - 1300Z)
- 19 August — SARL Wednesday 80 m Club Contest Wednesday (1700Z - 1800Z)
- 22 August — RSI VU DX Contest (1200Z, Aug 22 to 1200Z, Aug 23)
- 23 August — SARL HF CW Contest Sunday (1400 – 1700Z)
- 30 August — World Wide Digi DX Contest (1200Z, Aug 29 to 1200Z, Aug 30)

September

- 5 - 6 September — SARL National Field Day Saturday start 0800Z - end Sunday 1000Z
- 5 - 6 September — ARRL EME Contest (0000Z, Sep 5 to 2359Z, Sep 6)
- 5 - 6 September — IARU Region 1 Field Day, SSB (1300Z, Sep 5 to 1259Z, Sep 6)
- 12 September — Africa FT4 DX Contest Saturday (1500Z - 1800Z)
- 16 September — SARL September Equinox 6m DX Challenge start Wednesday 0001Z
- 19 September — ZS SOTA Activity Weekend Saturday start 0000Z - end Sunday 2159Z
- 20 September — ARS Flight of the Bumblebees (1700Z-2100Z)
- 26 - 27 September — YU DX Contest (1200Z, Sep 26 to 1159Z, Sep 27)

The Pretoria Amateur Radio Club does not accept responsibility for the accuracy of contest details listed above. For verification and more information, please visit the SARL website, www.sarl.org.za , as well as the WA7BNM international contest calendar at the following website: <http://hornucopia.co>

Tip: Always verify contest details on SARL and WA7BNM calendars.

PARC Flea Market | PARK Snuffelmark



Snuffelmark
5 FORGE
ACADEMY & LABS

LS6PTA
P

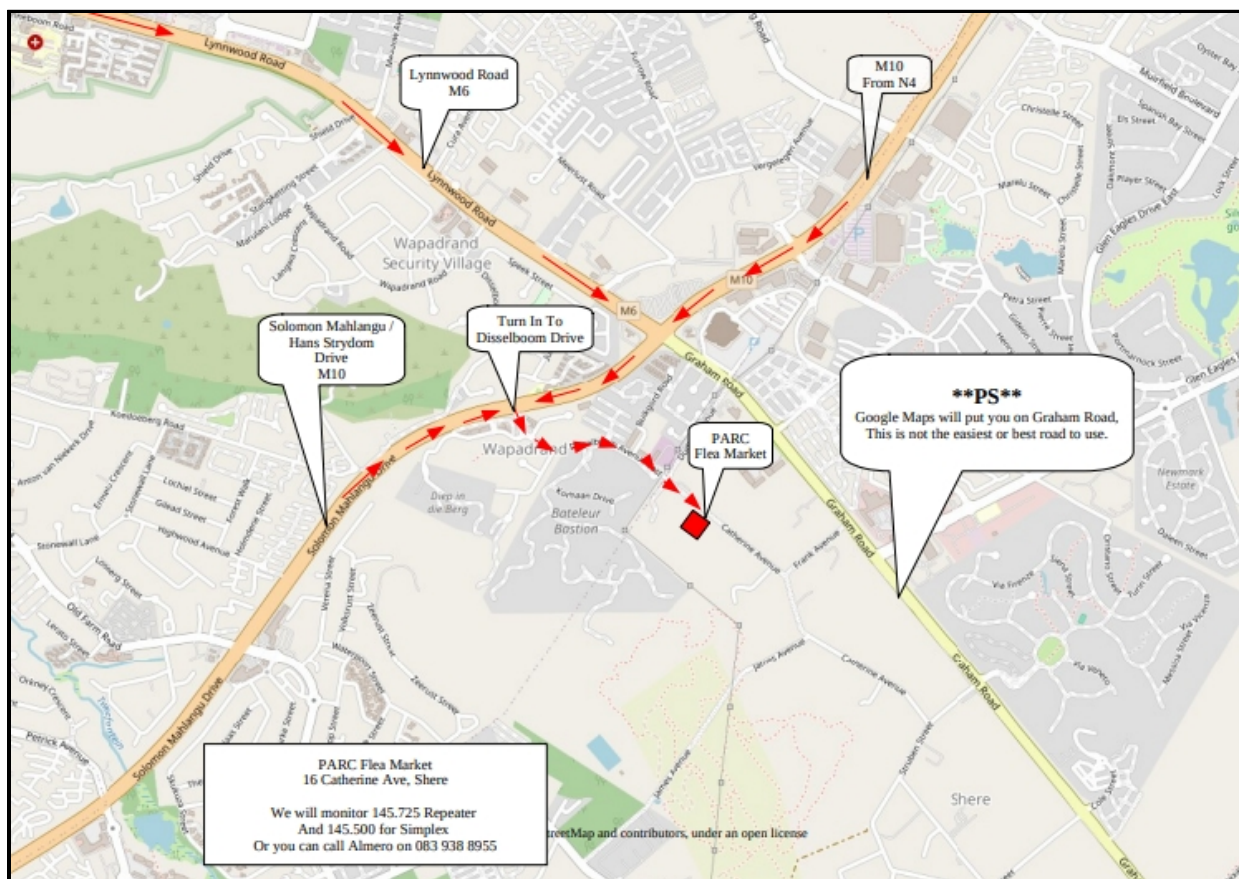
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DECEMBER 5 @ 16 Catherine Rd, Shere

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almerodps@gmail.com

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16 Catherine Road, Shere, Pretoria East



Next Flea Market Date: 1 August / Volgende Snuffelmark Datum: 5 Desember

CONTACT PERSON: Alméro Du Pisani

(T) 083-938-8955

(E) almerodps@gmail.com

Secure your table today for just R30!
Verseker jou tafel vandag vir net R30!

Upcoming Dates — 2026

- 5 December 2026 — PARC

Other Clubs — 2026

- 29 August – West Rand Boot Sale
- 3 October – East Rand Boot Sale





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PARC RAE Preparation Training

The Pretoria Amateur Radio Club (PARC) is thrilled to announce that we are officially hosting **RAE (Radio Amateur Examination) preparation training** at our very own **registered exam centre**. This marks an exciting milestone for our community: we are fully equipped with **HF trainers, a qualified invigilator, and all the resources needed** to help aspiring radio amateurs succeed.

At PARC, we believe there is always room for learning, growth, and new voices on the airwaves. Whether you're just starting your journey into amateur radio or looking to sharpen your skills, our training sessions are designed to be **inclusive, professional, and supportive**.

We're ready to get started—and we'd love for you to be part of it. If you're interested in joining our RAE preparation training, simply send us an email at RAE@PARC.ORG.ZA

Or you can visit our PARC web page <https://www.parc.org.za/index.php?page=rae>

Let's make 2026 the year you earn your amateur radio license and join the vibrant world of radio communication. The airwaves are waiting—are you ready to answer the call?



RAE Preparation training now available
Email rae@parc.org.za for details

RAE

RADIO AMATEUR EXAM

Pretoria Amateur Radio Club



RAE October 2026 RAE exam entries open Saturday 1st August 2026

October RAE Candidates Enjoy a Morning of Learning and Fellowship

On 4 July, a number of the October RAE candidates gathered at the PARC clubhouse for what turned into an enjoyable and informative day.

As has become something of a PARC tradition, the day began with coffee at the restaurant, where conversations flowed as freely as the coffee itself. Topics ranged from the ever-changing prices of amateur radio equipment to radio programming, antenna construction and countless other aspects of the hobby. It was encouraging to see newcomers already sharing ideas, asking questions and learning from one another.

From there, the group visited Vernon, ZS6AIG's shack, where they were given a first-hand look at a well-equipped amateur radio station. Members explored everything from classic radios that have stood the test of time to the latest digital equipment and computer displays. They also had the opportunity to see the repair bench, where many older radios are given a new lease on life. The visit generated a constant stream of questions, with everyone eager to understand how the various pieces of equipment fit together and how different operating styles can coexist in one station.

The learning continued as the candidates met up with some of the trainers, to assist with preparing a station for an upcoming contest while also carrying out a thorough evaluation of another antenna system. This provided an excellent opportunity to observe station set-up, antenna testing and practical problem-solving in action.

Throughout the day there was a wonderful atmosphere of curiosity and enthusiasm. Conversations never seemed to stop, ideas were exchanged freely, and experienced operators were always on hand to explain, demonstrate and encourage.





Days like these remind us that amateur radio is about far more than equipment and technology. It is about sharing knowledge, building friendships and helping the next generation of radio amateurs discover just how broad and rewarding this hobby can be.

A sincere thank you to everyone who gave their time to make the morning both educational and enjoyable.

PS. The antenna performed exactly, and the contest team went on to enjoy an excellent day on the air, making numerous contacts and even adding a few DX stations to the log—a fitting reward for the careful preparation.

Please note: The antenna in the photos is not the antenna used in the contest, a vertical antenna was set up before testing the antenna in the photos above.

BUILD IT • SHARE IT • LEARN TOGETHER

TECH-TALK

Ideas. Projects. Knowledge. Experience.



HAM RADIO

*It's more than
radio - it's
connection!*

STARTING SEPTEMBER

OM Vernon **ZS6AIG** will be hosting
a monthly **Tech-Talk** get together.
A relaxed **event** for hams and friends
to **connect, share and learn.**



SHARE YOUR PROJECTS

Show what you're working on
and get inspired.



GUEST SPEAKERS

Learn from experienced hams
on many topics.



MANY TOPICS

From antennas to SDR, digital
modes, QRP, HF, VHF and more.



GOOD COMPANY

Great conversations, coffee
and ham spirit!



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- ✓ Antennas
- ✓ QRP / Portable
- ✓ Digital Modes
- ✓ SDR
- ✓ Homebrew
- ✓ Field Ops
- ... and more!



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& FRIENDS
WELCOME!

COFFEE
RADIO
FRIENDS
PERFECT
COMBINATION

More details to follow soon.

SEE YOU SOON!

73'
Vernon **ZS6AIG**



CONNECT



LEARN



BUILD



SHARE



KEEP THE
AIRWAVES ALIVE!

THIS IS MORE THAN A HOBBY.

IT'S A **COMMUNITY.**



Shack Talk by Vernon - ZS6AIG (Part 8)

“Ham radio isn’t stuck in the past—it’s quietly riding the wave of modern tech innovation.”

After many conversations with fellow OMs, one question keeps coming up: why don’t we have more technical discussions in the club any more? In the past, members would gather to share ideas, showcase projects they were working on, or even take part in group builds.



Today, that tradition has faded, and the gap in passing knowledge to younger Hams is widening. Even some of our seasoned operators are eager to get involved again, sharing lessons learned and helping to keep the spirit of experimentation alive.

I’ve already spoken to a few Hams who are willing to present and share practical projects they’re busy with. Some of the topics under consideration include:

Hardware & Building

Modern SDR (Software Defined Radio): Explain how SDRs are changing the hobby, with examples of affordable setups and advanced projects.

DIY Antenna Projects: Share practical builds (like a compact portable Yagi or magnetic loop) and their performance compared to commercial gear.

Retro Meets Modern: Explore restoring classic rigs and integrating them with modern digital interfaces.

Digital & Software

Digital Modes Deep Dive: FT8, JS8Call, and VARA—what they offer, how they differ, and why they’re popular.

Ham Radio + Internet: Discuss remote station control, online logging, and integration with platforms like QRZ or Club Log.

Open-Source Tools: Highlight software like GNU Radio or Hamlib that empower experimentation.

Ham Radio in Space: Cover satellites, ISS contacts, and CubeSat projects involving amateur frequencies.

Emergency Communications Tech: How mesh networks, portable repeaters, and digital linking (D-STAR, Fusion, DMR) are evolving.

IoT & Ham Radio: Explore experiments with LoRa, APRS, and low-power wide-area networks.

After taking all the above into consideration, I will be hosting a monthly Tech-Talk “get together” to all interested parties to join the discussions and project building, this invitation is open to all fellow Hams regardless of which club they belong to.

Come join us in September at our PARC venue in Shere Pretoria, dates and topic will follow in the next issue of Watts and our social media platforms.

Until next time 73

From Elmers to YouTube: Where do we learn now?

There was a time when becoming a radio amateur meant finding an Elmer.

Not a search engine.

An Elmer was the person who patiently answered your endless questions, showed you how to solder a PL-259, helped tune your first antenna, and explained why your SWR was through the roof. They taught by doing. You learnt while standing in a shack, holding a spanner in one hand and a mug of coffee in the other.

If you wanted to know how something worked, you asked someone who had already made the mistakes.

Today, the world looks very different.

A new amateur can watch a video explaining propagation while eating breakfast, learn how to programme a handheld radio during lunch, and build an antenna by following a step-by-step guide before dinner. Thousands of experienced operators willingly share their knowledge online, and the amount of information available is nothing short of incredible.

It raises an interesting question.

Has YouTube replaced the Elmer?

Not quite.

A video can show you *how* to do something, but it can't look at your station and immediately notice that you've connected the coax to the wrong socket. It can't hear the frustration in your voice after three unsuccessful attempts. It won't hand you the correct connector from the bottom drawer or tell you, "Don't worry, we've all done that."

That's where an Elmer is irreplaceable.

On the other hand, the modern Elmer has something previous generations never had—a global classroom. Today, an experienced amateur can recommend a video, share a wiring diagram on WhatsApp, jump onto a video call, or point a newcomer to a trusted website. Learning no longer stops when you leave the clubhouse.

Perhaps the question isn't whether YouTube has replaced the Elmer.

Perhaps YouTube has simply become another tool in the Elmer's toolbox.

At PARC, we still believe the best learning happens when knowledge is shared face to face. Whether it's around a coffee table, in someone's shack, during an antenna day, or while preparing a contest station, there is something special about asking a question and having someone standing beside you to answer it.

Technology has changed.

The spirit of amateur radio hasn't.

The best operators still remember what it was like to ask their first question. And the best Elmers still understand that teaching someone isn't just about passing on knowledge—it's about passing on confidence.

After all, every experienced amateur was once a beginner looking for someone willing to say, "*Come, let me show you.*"

What have you been up to? JJ, ZS6AAD

JJ, ZS6AAD, enjoying the best of both worlds at Roodeplaat Dam over the weekend of 22 July. While the lines waited patiently in the water, his trusty Xiegu X6100 and inverted-V antenna kept the HF bands alive. A perfect combination of two great passions—fishing and amateur radio.



Back in time – August

11 August 1942 – Hedy Lamarr's Frequency-Hopping Patent

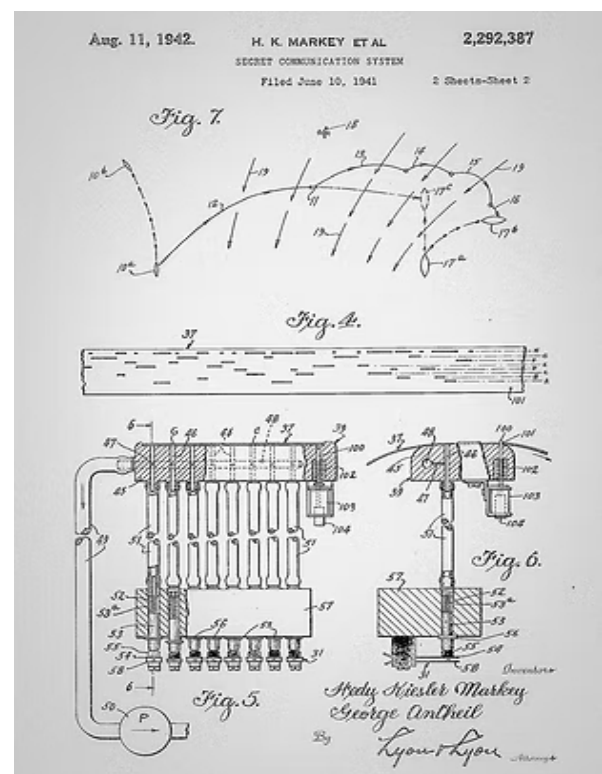
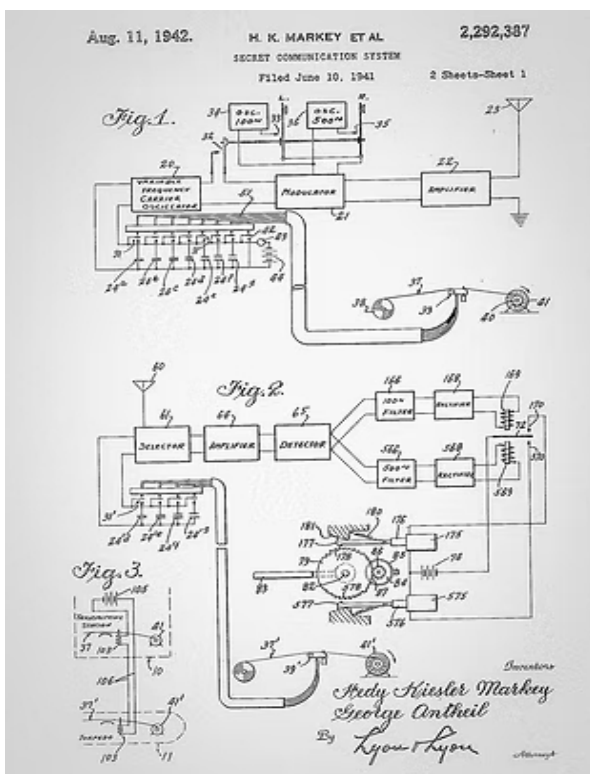
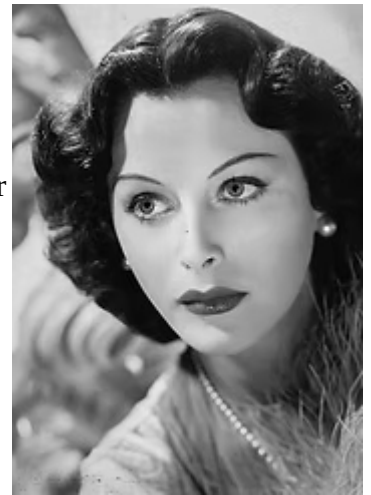
On **11 August 1942**, **Hedy Lamarr**, the famous Hollywood actress, and composer **George Antheil** were granted **U.S. Patent No. 2,292,387** for a revolutionary invention called a "**Secret Communication System**."

Their idea was simple but brilliant. Instead of transmitting a radio signal on a single frequency where it could easily be intercepted or jammed, the transmitter and receiver would **rapidly switch—or "hop"—between many different frequencies in a synchronized pattern**. Anyone who didn't know the hopping sequence would find it extremely difficult to listen in or interfere with the transmission.

The invention was originally designed to help the Allied forces during the Second World War by allowing **radio-controlled torpedoes** to operate without being jammed by enemy forces. Although the U.S. Navy did not adopt the technology at the time because it was considered too complex for the electronics of the day, the concept was decades ahead of its time.

In the 1950s and 1960s, advances in electronics made frequency hopping practical, and it became an important military communications technique. Today, the same underlying principles are used in many everyday wireless technologies, including **Bluetooth**, some **Wi-Fi** systems, **GPS** anti-jamming techniques, and various military and commercial radio networks.

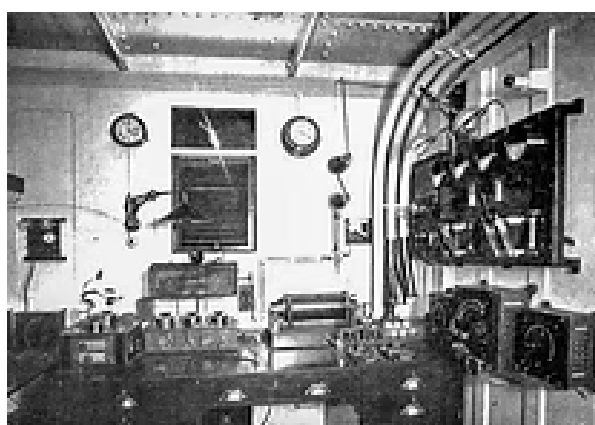
For amateur radio operators, this story is a reminder that many of the communication techniques we take for granted today began as bold ideas from people willing to think differently. While frequency hopping is not generally used on the amateur HF bands, it remains an important concept in modern radio engineering and spectrum management.



13 August 1912 – The Law That Changed Radio Forever

On **13 August 1912**, the **United States Congress** passed the **Radio Act of 1912**, the first comprehensive law to regulate radio communications. Although it applied only within the United States, its influence was felt around the world and laid the foundation for many of the licensing systems we know today.

The Act was introduced in response to the tragic sinking of the **RMS Titanic** just four months earlier. During the disaster on **15 April 1912**, wireless operators played a vital role in sending distress calls that saved more than 700 lives. However, the tragedy also exposed serious shortcomings. There were no universal operating procedures, radio frequencies were often crowded, some nearby ships had their radios switched off overnight, and amateur stations sometimes transmitted on the same frequencies as commercial and maritime operators.



The new legislation sought to bring order to the rapidly growing world of wireless communication.

Among its key provisions were:

- Every radio station had to be licensed by the federal government.
- Every radio operator had to hold an operator's licence.
- Ships carrying radio equipment were required to maintain a continuous listening watch for distress calls.
- Specific frequencies were allocated to different radio services to reduce interference.
- Amateur radio operators were assigned to wavelengths of **200 metres and shorter** (frequencies above **1.5 MHz**), which many believed were of little practical value.

Ironically, what was intended as a restriction became one of amateur radio's greatest opportunities.

At the time, long wavelengths were considered superior for long-distance communication, while the higher frequencies allocated to amateurs were dismissed as being useful only for short-range contacts. Radio amateurs proved the experts wrong. Through experimentation, they discovered that these "worthless" shortwave frequencies could travel thousands of kilometres by reflecting off the ionosphere.

Their pioneering work demonstrated the enormous potential of shortwave communication, paving the way for international broadcasting, aviation, military communications, and modern HF amateur radio.

The Radio Act of 1912 also established an important principle that still exists today: **the radio spectrum is a shared public resource that must be managed responsibly**. Licensing, frequency allocations, and operating standards remain fundamental to amateur radio across the world, including here in South Africa.



Clarence Denton “C. D.” Tuska (August 15, 1896 – June 30, 1985) was an early radio experimenter and one of the first radio receiver manufacturers.

On April 6, 1914, Tuska and Hiram Percy Maxim **founded the American Radio Relay League (ARRL)**. He was also the **original editor and owner of the amateur radio publication QST**, which he sold to the ARRL in 1919.

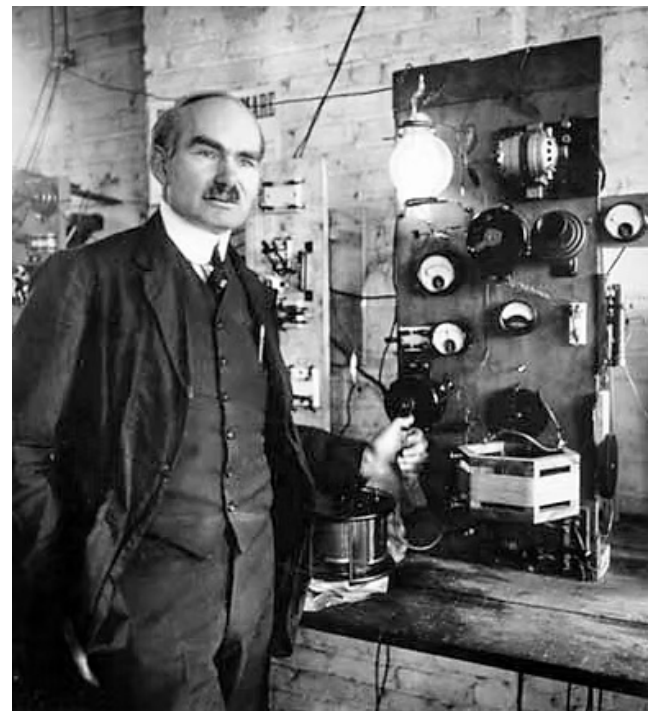
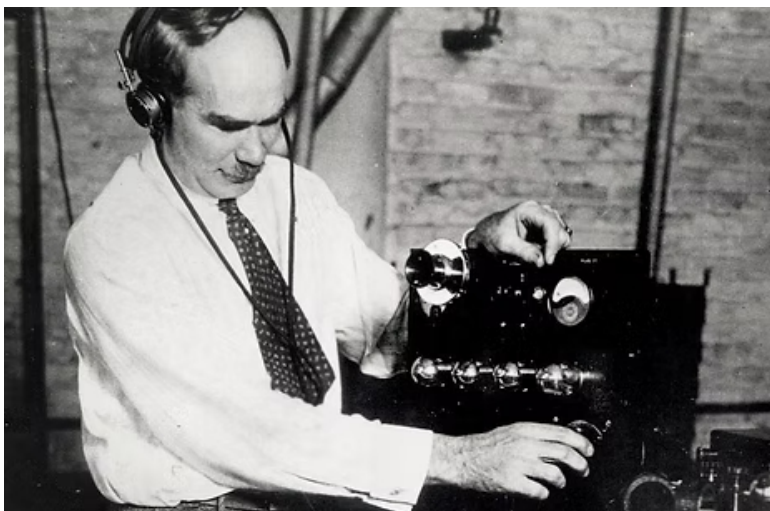
In 1920, Tuska established the C. D. Tuska Company to manufacture radio equipment. As demand increased beyond the small company’s capabilities, it was acquired by the Atwater Kent company.



Lee de Forest (26 August 1873–30 June 1961) was an American inventor, self-described “Father of Radio,” and a pioneer in the development of sound-on-film recording used for motion pictures. In 1906 he filed his first patent for an electron tube he called the **three-element “grid Audion”**, describing it as a detector of sound.

By 1907, he had invented an arc-based radiotelephone transmitter and Audion receiver, and he was writing about the possibility of sending music into homes by wireless. His work formed a foundation for later development of vacuum tube technology.

He is credited with making this prediction: “Short waves will be generally used in the kitchen for roasting and baking, almost instantaneously.”



What is the 333 rule in Ham Radio? - AI Overview

In the amateur radio and emergency preparedness community, the "333 rule" (or 3-3-3 plan) is . It dictates that you **turn your radio on for 3 minutes, every 3 hours, on Channel 3.**

 RadioReference.com Forums +1

The 3-3-3 Breakdown

- **Every 3 Hours:** Turn on your radio at set intervals (e.g., local times 12:00, 3:00, 6:00, 9:00, AM/PM) to monitor for other stations.
- **For 3 Minutes:** Listen and call out your designated call sign or identifier for 3 minutes.
- **On Channel 3:** Historically established for CB, FRS, and GMRS radios. In ham radio, groups typically pre-designate specific simplex frequencies (such as 146.520 MHz) or local repeater channels for this schedule

 YouTube•K4SRF +4

Why is it used?

Following this schedule drastically reduces battery consumption, which is critical during extended grid-down scenarios. It establishes predictable communication windows, ensuring you aren't broadcasting into the void while the person you are trying to reach has their radio turned off to save power.

 YouTube•Rob Benson +2

For a quick and concise visual breakdown of how the 333 emergency rule works in practice:

https://www.google.com/search?q=latest+trend+in+ham+radio&oq=latest+trend+in+ham+radio&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIHCAEQIRigATIHCAIQIRigATIHCAHQIRifBTIHCAQQIRifBTIHCAUQIRifBdIBCTUxMTFqMGoxNagCCLACAfEFOkqNfsoVs9M&sourceid=chrome&ie=UTF-8#fpstate=ive&vld=cid:3213a0ae-3c07-4294-ae3a-0e64588df614_2fb08ff0,vid:qdyp5GIDUNs,st:0

16-Year-Old ARRL Member Wins 2026 Student Coding Competition

07/10/2026

ARRL The National Association for Amateur Radio® is pleased to announce that member Ben Leovy, KC3ZPQ, of Ellicott City, Maryland, has been named the winner of the 2026 ARRL Student Coding Competition. Leovy, 16, recently completed his sophomore year at Howard High School. He designed a mobile application to help users prepare for their amateur radio license examinations.

Leovy will receive a \$5,000 prize awarded by ARRL. His project was selected by a panel of judges based on usability, clarity, stability, and code quality. The judges also recognized his enthusiasm for software development and creativity by awarding him a new MacBook Neo to encourage his continued exploration of programming and technology.

“The ARRL Student Coding Competition was created to encourage young radio amateurs to apply their skills to a real-world opportunity that will benefit the amateur radio community and future entrants,” said ARRL Senior Director of Marketing and Innovation Bob Inderbitzen, NQ1R. “Ben’s project demonstrated the kind of problem-solving skills and creativity that will help shape the future of amateur radio.”

The judges were also impressed with the strength of Leovy’s technical approach and the potential value of continuing its development. ARRL has offered him a consulting project this summer, to further refine and improve the application in collaboration with ARRL employees – an opportunity to gain professional experience. Upon successful completion of the project, Leovy will earn an additional \$5,000. He will also be eligible for a \$5,000 ARRL scholarship when he enrolls in college after high school.

“I’m excited about the opportunity to continue improving the application and working with ARRL,” said Leovy. “I hope it helps more people, particularly students my age, to get involved in amateur radio and to join ARRL.”

Leovy became interested in amateur radio through his grandfather and through friends involved with the scouts who shared an interest in the hobby. In addition to amateur radio and programming, Leovy participates in his school’s robotics club and enjoys exploring technology through hands-on projects.

The ARRL Student Coding Competition was launched in January 2026 as part of ARRL’s ongoing commitment to developing the next generation of radio amateurs. The competition encouraged ARRL Student members ages 21 and younger, who already have ham radio licenses, to combine their interests in amateur radio and software development.

“Programs like this help young people discover that amateur radio is more than a hobby — it is a pathway that inspires hands-on, practical, and technical experiences,” said ARRL CEO David Minster, NA2AA. “By investing in students and their ideas, ARRL is investing in the future of amateur radio.”

The competition is another ARRL program intended to develop student interest in future education and careers in STEM/STEAM fields. Other ongoing initiatives include the ARRL Teachers Institute on Wireless Technology, the ARRL Collegiate Amateur Radio Program, and the ARRL Foundation Scholarship Program.

The competition judges were ARRL First Vice President Kristen McIntyre, K6WX; Hudson Division Director Ed Wilson, N2XDD; previous Director of Education and Learning Steve Goodgame, K5ATA; ARRL VEC Manager Maria Somma, AB1FM; and Education & Learning Support Specialist Max Freedman, N4ML. Additional support was provided by past Pacific Division Director Anthony Marcin, W7XM.

Since 2024, ARRL Student Membership has been free for full-time students ages 21 and younger. This no-cost membership opportunity makes it easier for students to become involved in amateur radio and access ARRL resources while they explore radio, technology, and STEM-related learning opportunities.

For more information about ARRL Student Membership, visit www.arrl.org/student.

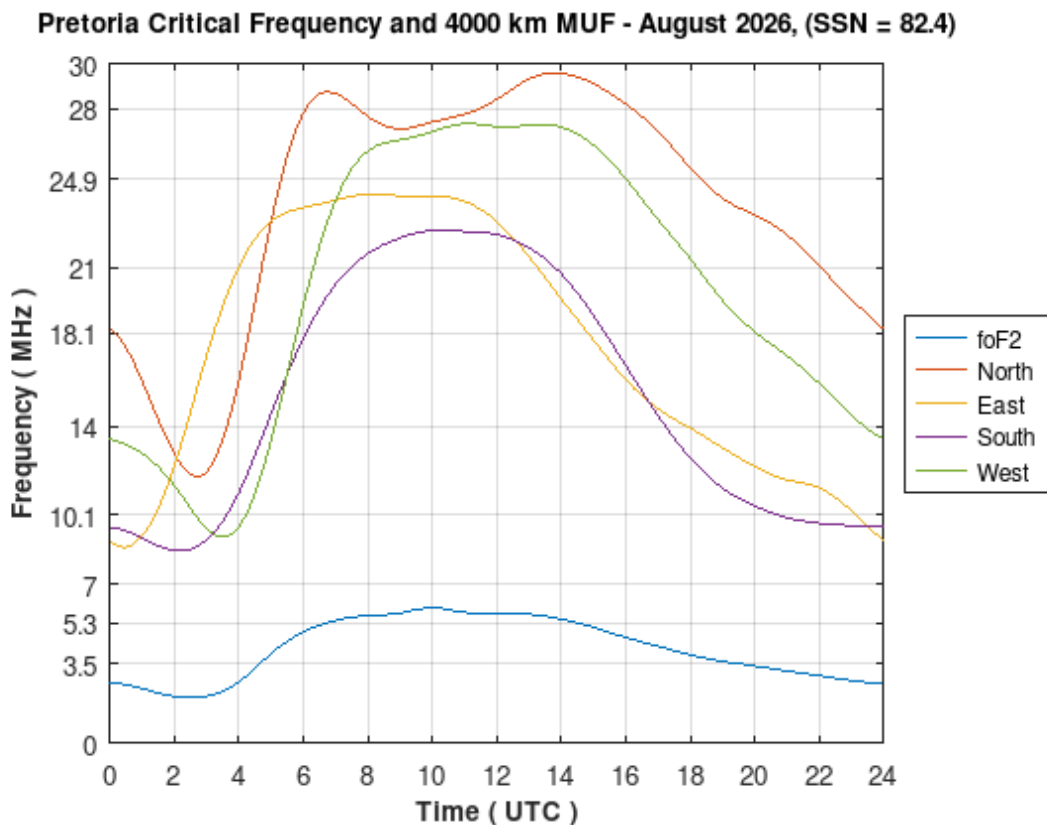
C/O NELSPOORT & 801 MALMESBURY STR, WINGATE PARK, PRETORIA [S25.49.36 & E28.16.07]

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Long Term HF Propagation - August 2026 By Vincent, ZS6BTY

The graph below shows the predicted [1] F-layer Maximum Usable Frequency (MUF) for Pretoria using monthly sunspot numbers from SILSO [2].



Local Propagation (up to 500 km): The F or F2 critical frequency (f_oF2) is the MUF for short range, near vertical incidence sky-wave (NVIS) propagation.

Long Distance Propagation: The MUF for a first hop of 4000 km in the cardinal directions are labeled North, East, South and West. They indicate the direction that propagation may be expected.

Worldwide Propagation Maps: <http://www.parc.org.za/index.php?page=propagation>

“Prediction is difficult, especially when dealing with the future”. . . Danish Proverb

73 Vincent, ZS6BTY

[1] FTZMUF2: A simple method of estimating the ionospheric parameters of f_oF2 and $M(3000)$ with the aid of a home computer - Thomas Damboldt and Peter Süßmann, Deutsche Bundespost, December 1988.

[2] Silso 12-month forecasts of the monthly sunspot number (<http://sidc.oma.be/silso/FORECASTS/prediML.txt>)

#TEAMHILUX RALLY-RAID

SAVE THE DATE FOR THE
2026 SEASON.

19-20 JUN

Parys

28-29 AUG

Langkloof
Valley

24-26 JUL

Stella

9-10 OCT

Vryheid

13-14 NOV

Thabazimbi





MOTORSPORT SOUTH AFRICA NPC

Reg. No 1995/005605/08

www.motorsport.co.za

Ground Floor, Quadrum 1, Quadrum Office Park, 50 Constantia Boulevard, Constantia Kloof, Roodepoort
e-mail: msa@motorsport.co.za Telephone (011) 675 2220

MSA NATIONAL RALLY CHAMPIONSHIP CIRCULAR 4 OF 2026

Affected parties are hereby advised of the following amendment to the 2026 MSA National Rally Championship Calendar, effective immediately:

DATE	NAME OF VENUE	PROVINCE	ROUND	STATUS
10 – 11 July 2026	Gqeberha	Eastern Cape	4	POSTPONED
10 – 11 July 2026	Legends	Gauteng	4	VENUE AMENDED
21 – 22 August 2026	Ermelo	Mpumalanga	5	
25 – 26 September 2026	Gqeberha	Eastern Cape	6 & 7	VENUE AMENDED
30 – 31 October 2026	Dullstroom	Mpumalanga	8	

MSA apologises for any inconvenience caused by this change, but it is due to circumstances beyond MSA's control.

For any further information, please do not hesitate to contact Charmaine Fortune -
charmaine@sarallyraid.co.za

CARMEN HILL
SPORTING SERVICES MANAGER
26 June 2026

MOTORSPORT SOUTH AFRICA IS THE ONLY RECOGNISED MOTORSPORT FEDERATION IN SOUTH AFRICA



Chairperson: Ms. C. Low, Directors: V. Maharaj (Chief Executive Office), P. Zeelle (Financial),
Ms. T. Human, Mrs. S. Labuscagne-Jonck, Ms. K. Mohun, D. Ramchander, Ms. M. Spurr
Interim Appointed Directors: X. Letlaka, N. Townsend

For More Rally information please contact the following Radio Marshalls:

Graham Reid ZS6GJR at: 083-701-0511 or greid@wol.co.za

Irene Myburgh ZS6IEA at: 082-462-6001/ 084-544-0618 or irene.myburgh@outlook.com

PARC Sunday Bulletins | PARK Sondag Bulletins

PARC Bulletins are presented on Sunday mornings at approximately 08h45, after the SARL Bulletins in English and Afrikaans, from 08h15. The Bulletin Presenters for the following two months are presented below.

Please do contact the applicable presenter beforehand if you wish to contribute to the Bulletin. PARC Bulletins are broadcast on the 2-meter repeater on 145.725 MHz, and 70 cm on 438.825 and 439.025 MHz. Relays are done on 7.066 MHz by Pierre ZS6PS and Corlie ZS6CHS Smit and on Echolink by Johan Lehmann ZS6JPL.

A re-broadcast of the Bulletin is done the following Monday evening at 19h45 by Louis de Wet ZS6SK.

PARK Bulletins word op Sondag oggende aangebied om 08h45, na die SARL Bulletins in Engels en Afrikaans, vanaf 08h15. Die Bulletin aanbieders vir die volgende twee maande word onder aangedui.

Kontak gerus die toepaslike Bulletin leser indien u 'n bydrae tot die Bulletin wil maak. PARK Bulletins word uitgesaai op die 2-meter herhaler op 145.725 MHz, en 70cm op 438.825 en 439.025 MHz. Herleidings word gedoen op 7.066 MHz deur Pierre ZS6PS en Corlie ZS6CHS Smit, en op Echolink deur Johan Lehmann ZS6JPL.

'n Heruitsending van die Bulletin geskied die opvolgende Maandag aand om 19h45, en word behartig deur Louis de Wet ZS6SK.

PARC Bulletin Presenters: July 2026 – August 2026

Date	Presenter	Date	Presenter
2 August 2026	Alméro Du Pisani ZS6LDP	6 September 2026	Louis de Wet ZS6SK
9 August 2026	Louis de Wet ZS6SK	13 September 2026	Alméro Du Pisani ZS6LDP
16 August 2026	Alméro Du Pisani ZS6LDP	20 September 2026	Louis de Wet ZS6SK
23 August 2026	Louis de Wet ZS6SK	27 September 2026	Alméro Du Pisani ZS6LDP
30 August 2026	Alméro Du Pisani ZS6LDP		



Housekeeping



Want to stay in the loop with PARC?
If you'd like to join the PARC WhatsApp group, simply share your contact details with any committee member — we'll make sure you're added and welcomed aboard!

PARC ANNUAL CLUB FEES: PARK JAARLIKSE LEDEGELDE

Bank	First National Bank	Ordinary Members / Gewone Lede : R200 Spouses and Pensioners : R100	Your call sign must appear as statement text!
Branch Code	25 20 45		
Account No	546 000 426 73		

Please remit your subs in time to our Treasurer, or pay per transfer into the PARC account
Betaal asb. u ledegelde betyds aan ons Tesourier, of betaal per oorplasing in die PARC rekening

Please Note : If your Club fees are not paid up to date, birthday details cannot be displayed in Watts

Membership Fees & Financial Year Reminder

To help members stay in sync with club commitments, please note that our financial year runs from **1 July to 30 June**. Membership fees are payable annually during the month of July, marking the start of our new financial cycle.

We encourage all members to renew their subscriptions in July to ensure uninterrupted participation in club activities and communications.

**** If membership fees remain overdue for three months, the membership will automatically be marked as inactive.**

Each member is responsible for updating and maintaining their personal information on the website.

PARC Committee Members | PARK Komiteelede

Name & Callsign	Portfolio/s	Email Address	Mobile No
Graham Reid ZS6GJR	Chairman Treasurer Rallies	greid@wol.co.za	083-701-0511
Irene Myburgh ZS6IEA	Vice Chairlady Secretary Social	irene.myburgh@outlook.com	082-462-6001 084-544-0618
Hendri Ehlers ZS6HFE	Website & Social Media ICASA Liaison Repeaters	zs6hfe@gmail.com	083-460-5586
Louis de Wet ZS6SK	Club Historian Awards SARL Liaison	louis.zs6sk@gmail.com	072-140-9893
Martie Venter ZS6MV	Watts Newsletter RAE Training Club Membership	zs6mv73@gmail.com	072-273-1370

Co-opted Committee Members | Gekoöpteerde Komiteelede

Name & Callsign	Portfolio/s	Email Address	Mobile No
Alméro Du Pisani ZS6LDP (Hon.)	Flea-markets Swop Shop	almerodps@gmail.com	083-938-8955
Pieter Myburgh ZS6PAM	Repeaters	wooden@mweb.co.za	076-140-7562
Pierre Holtzhausen ZS6PJH	Contests	zs6pjh@gmail.com	082-575-5799

To every reader, supporter, and contributor who's tuned in to Watts—thank you. Whether you've shared a story, sparked a laugh, or simply kept the signal strong by reading along, you're part of what makes this frequency worth broadcasting.

We'd love to hear more from you. Got a quirky club tale, a burning question, a bright idea, or a moment worth amplifying? Send it our way at watts@parc.org.za. The mic is always open, and your voice keeps the airwaves alive.

Stay curious, stay connected—and keep the dial on Watts. 73