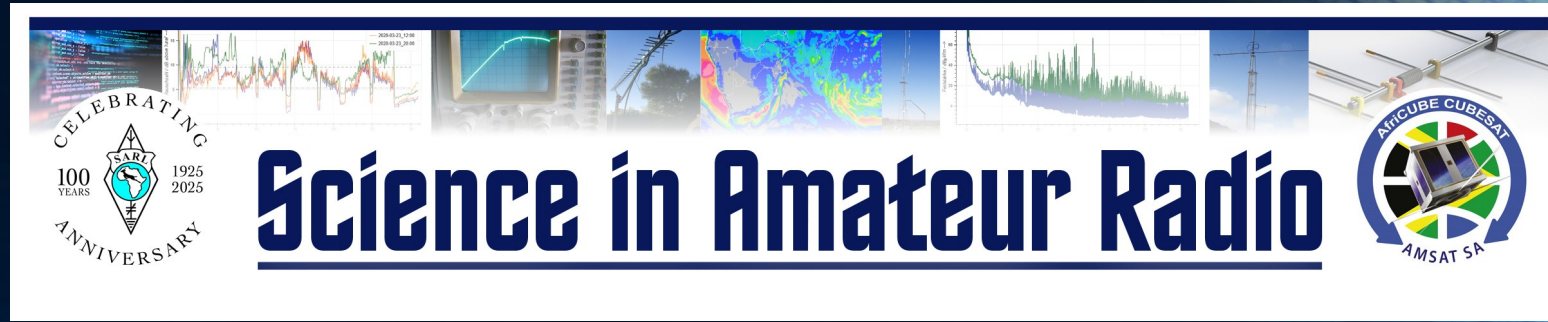




Centenary Technical Symposium 2025

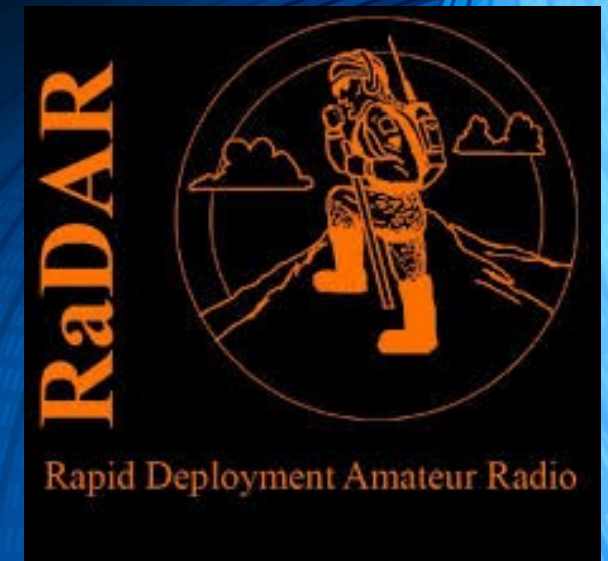


The technical challenges in a successful RaDAR event

August 2009 – RaDAR – “Rapid Deployment Amateur Radio” initiative was launched. SiaS “Shack in a Sack” was a concept and needed a better name.

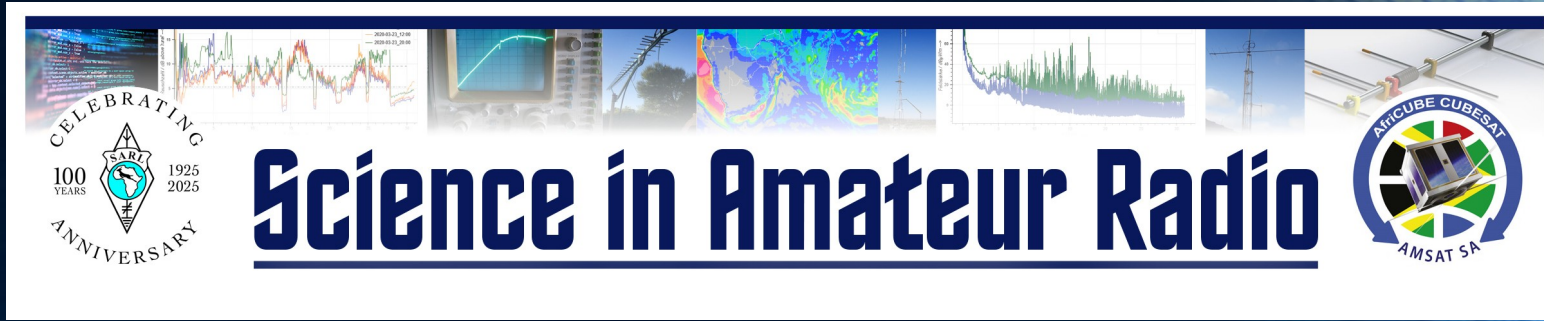
April 2012 – Proposal by ZS6BNE to practice rapid re-deployment. The concept of “One contact per kilometer moved”. GPS coordinate information to be passed together with signal reports.

Eddie Leighton ZS6BNE





Centenary Technical Symposium 2025



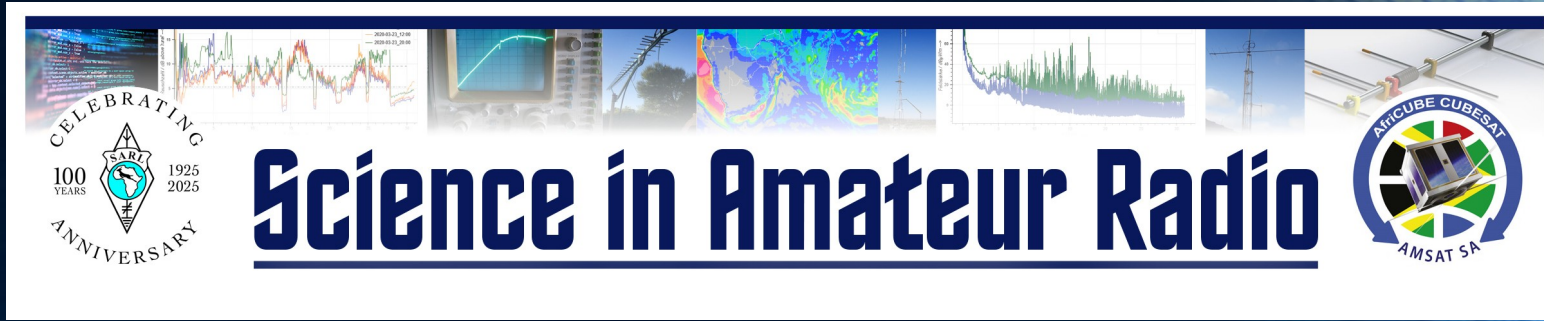
This discussion will be less about specific hardware but concentrating more on a minimalistic approach with the **objective of making RaDAR attractive to novice hams.**

Going minimalistic requires going back to basics and that is the **Morse code** which I believe is the glue that keeps us going for decades.





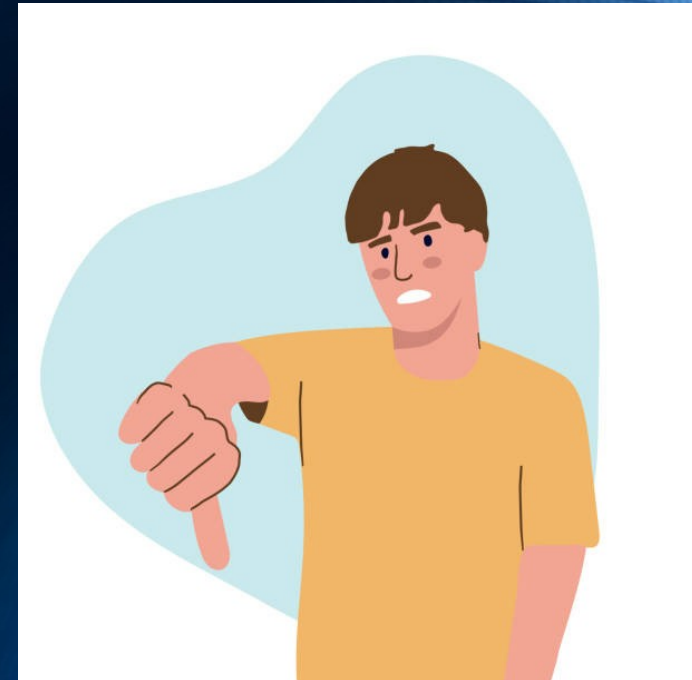
Centenary Technical Symposium 2025



Icom IC-705 in its box, very good condition - a shack in the box. With Icom backpack and all the accessories you can think of, including triplexer for HF/VHF antennas

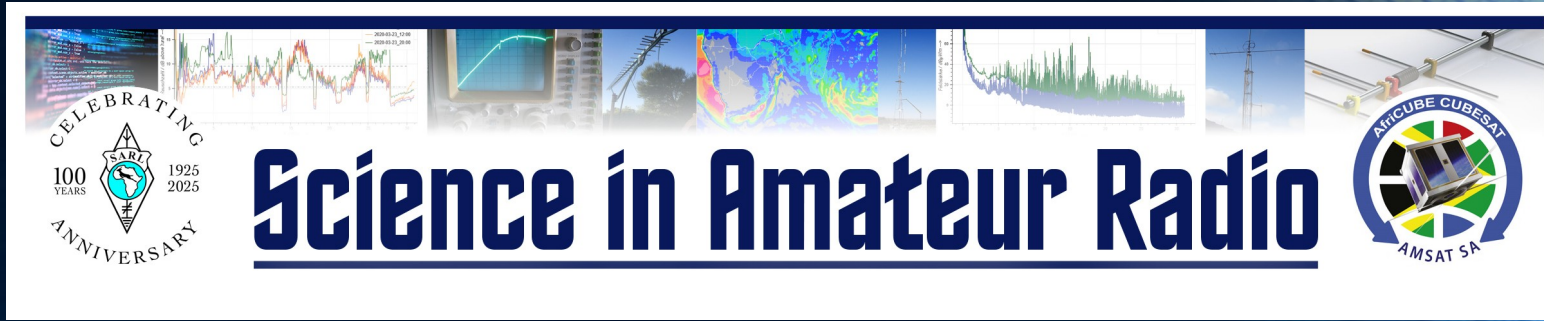
Xiegu XPA125B amplifier/tuner, the ideal companion. Very good condition. This set is a great shack- and portable-combination. The ideal radio.

R32,000.00 excluding transport. You will not find a better deal. First come first served.





Centenary Technical Symposium 2025



QRP multi mode radios, are physically small, lightweight and easy to carry.

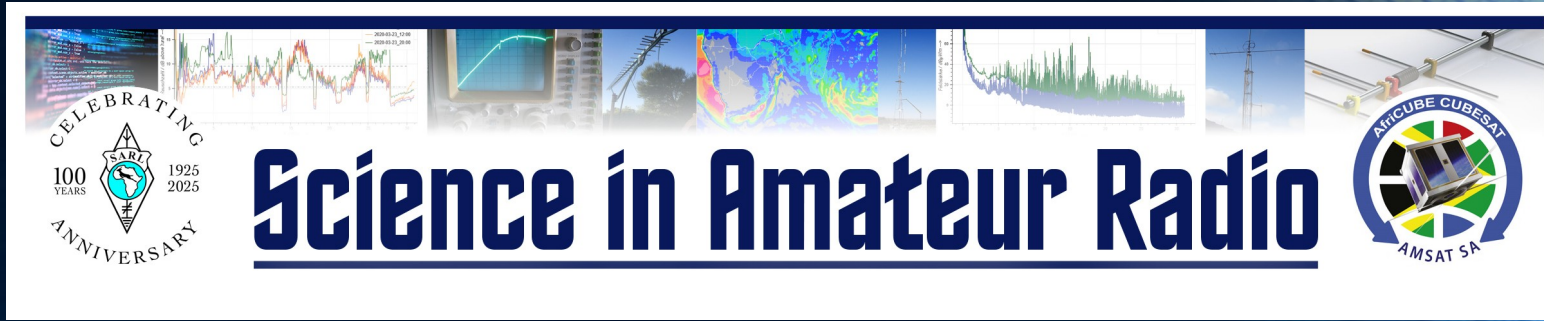
They consume a lot less power, need smaller batteries but still very expensive, even second hand.

The FT817ND is most ideal and can be a huge advantage during a RaDAR event.





Centenary Technical Symposium 2025



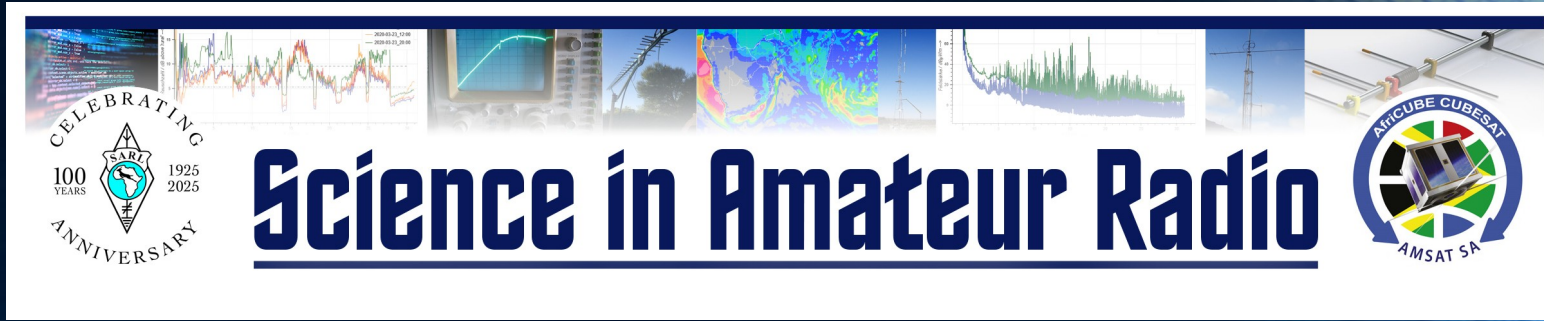
QRP, single band, single mode(CW) radios, are way smaller, very lightweight and very easy to carry.

They consume very little power, need smaller batteries and can fit the budget of **novice radio amateurs**.





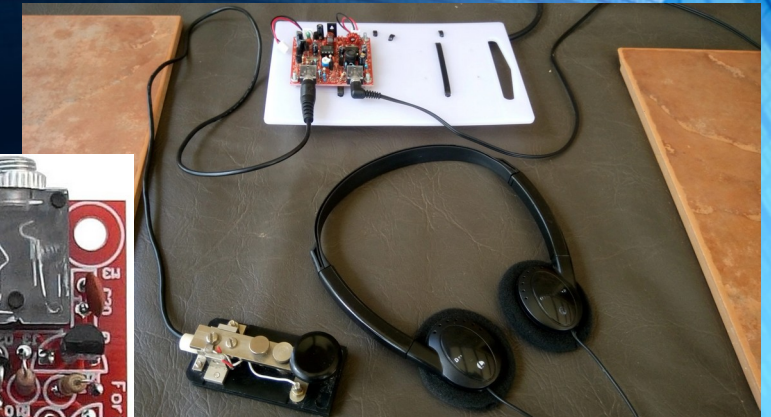
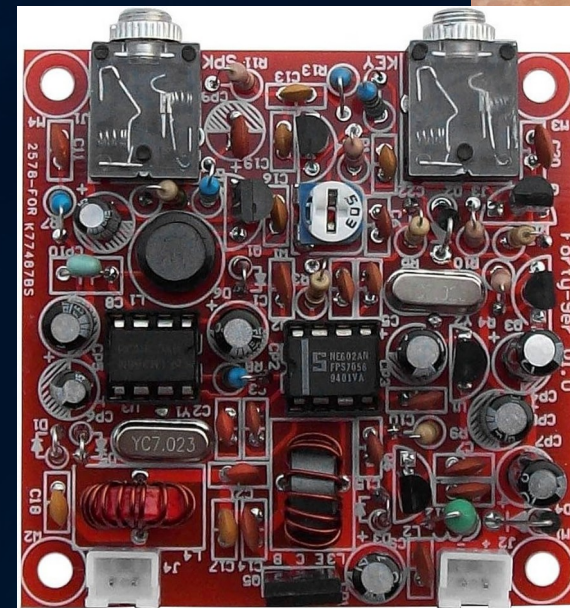
Centenary Technical Symposium 2025



The QRPp (1.3 W), 7.023 MHz, CW radio is even smaller, very lightweight and very easy to carry.

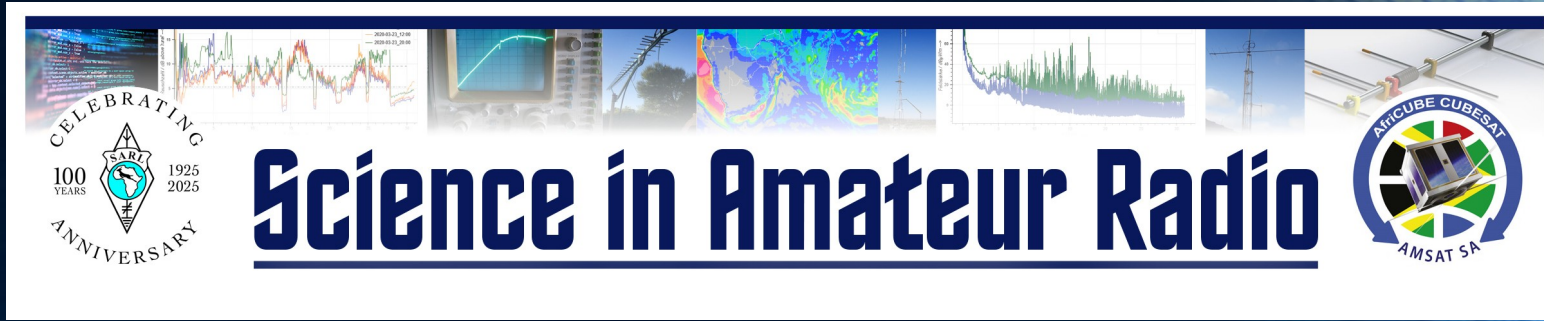
The “49er” runs off a 9 volt battery and can fit the budget of novice radio amateurs.

Easy to assemble and gives a sense of achievement when used to communicate with other radio amateurs.





Centenary Technical Symposium 2025



“YOU ARE NOT GOING TO STEAL THE CW TRAINING AWAY FROM ZS6.. ..”

“CW is alive and well in SA..... The bands sound quiet because operators are allowed to choose who they QSO with.”

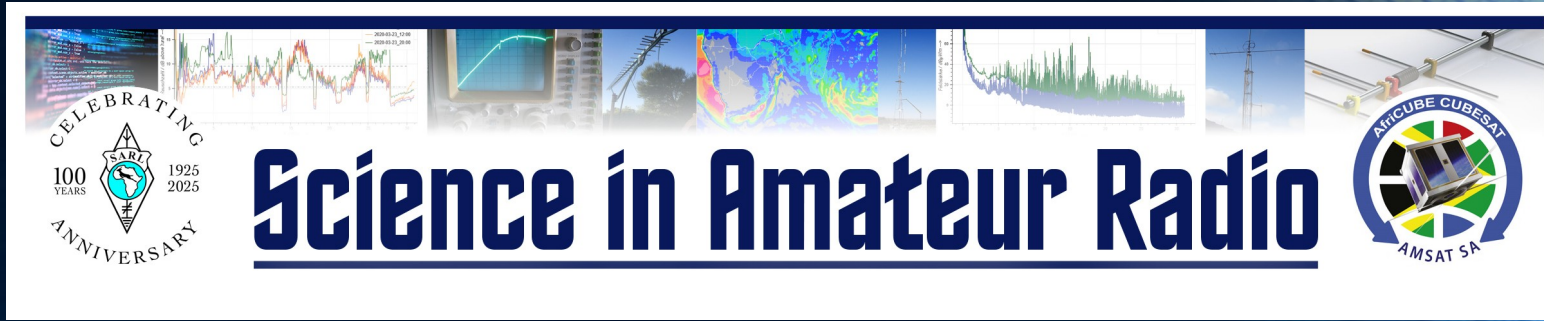
How on earth are we going to attract a new generation of CW operators with this attitude?

Generally there is very little support for RaDAR from the South African CW community.





Centenary Technical Symposium 2025



If the goal be CW why is there resistance among radio amateurs?

Share in the dream of those who dream.

Climb the ladder and share in the fruits that the Morse code offers.

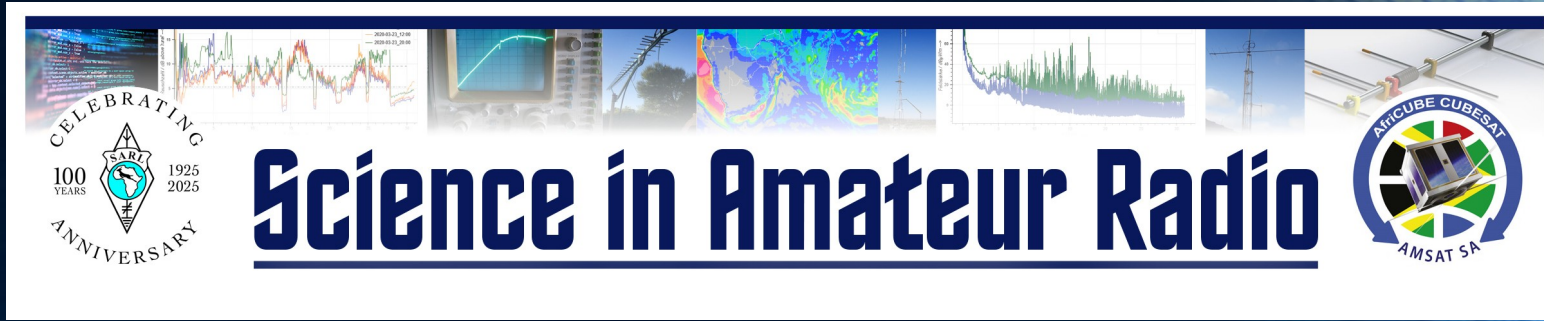
Stop bashing those that try to lead others to achieve new heights.

These are the RaDAR operators of the future!





Centenary Technical Symposium 2025



From CTARC's "Ragchew" newsletter.

Like Morse Code is practised by hams less now than in the past. It is used by the older hams who had to use it as part of the qualifying process to get licensed as a Ham.

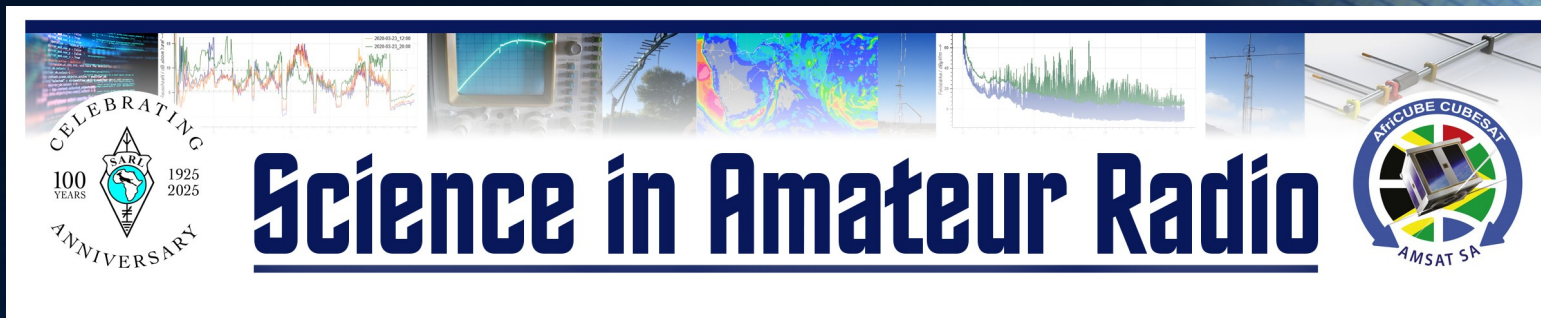
These good gentlemen and few ladies still practice this form of communication to the amazement of the newer hams as they demonstrate this hard learnt skill.

Hard learnt?





Centenary Technical Symposium 2025



RaDAR Rally Logger / Spotter (v 07.11)

Station information:

Your callsign:

Other callsign:

QSO / SPOT information:

Date:

Time (UTC):

Frequency (MHz):

Mode / SPOT:

QRP (Y / N):

RaDAR Rally Exchanges:

Deployment No:

Conveyance:

Exchange type:

My Exchange:

Others Exchange:

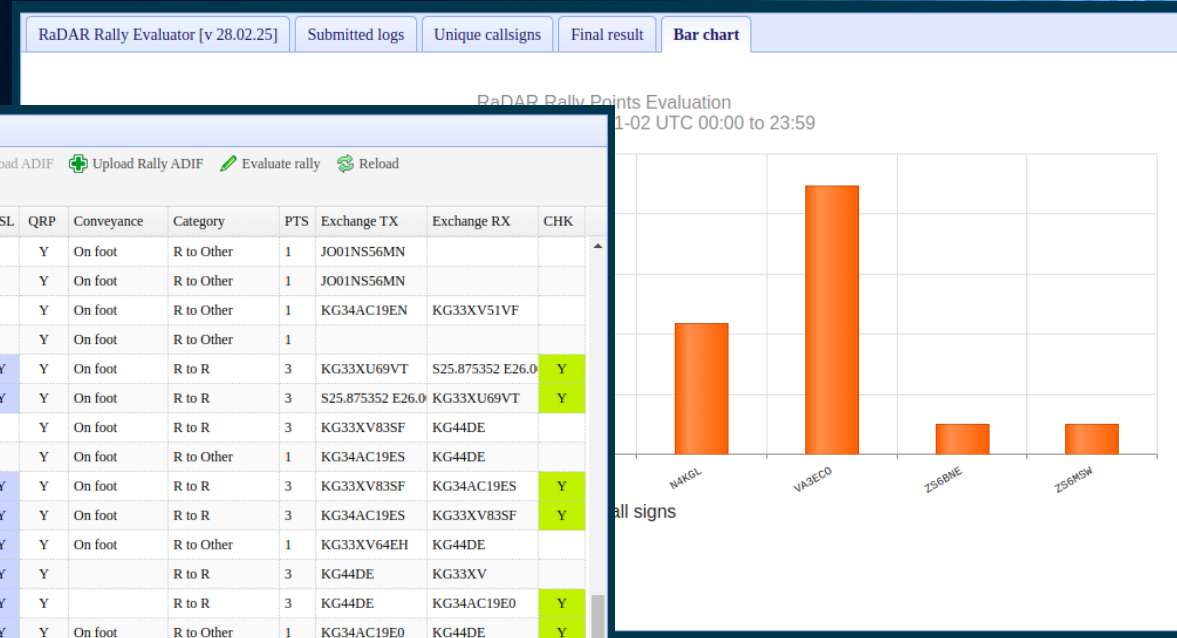
The "RaDAR Rally"

RaDAR Rally OPEN View (v 28.02.25) Double click to generate a QSL Image

Search callsign

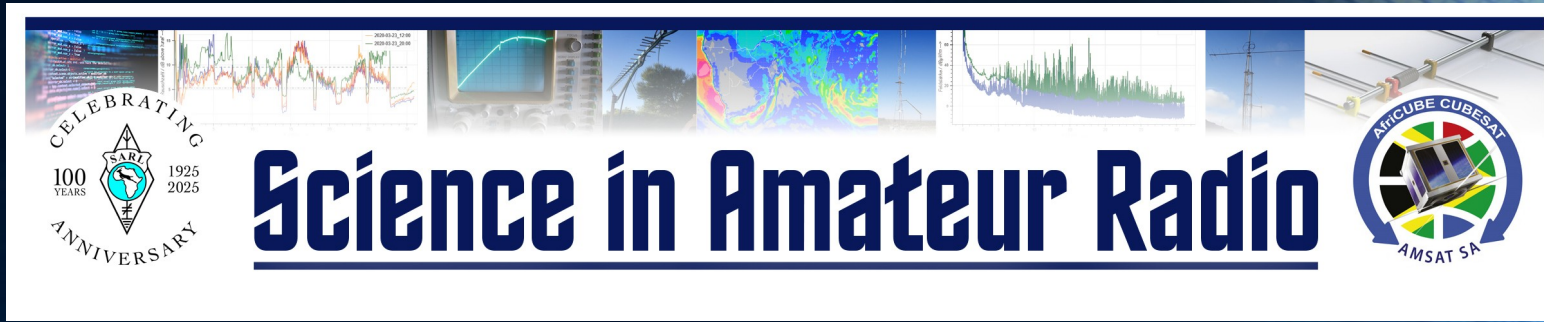
Dep	Callsign	Other	Mode	Date	Time	Frequency	QSL	QRP	Conveyance	Category	PTS	Exchange TX	Exchange RX	CHK
1	M6ECG	EI2JIB	SSB	2024-11-02	12:13:00	14.2620		Y	On foot	R to Other	1	JO01NS56MN		
1	M6ECG	G0PYM	SSB	2024-11-02	12:03:00	14.2040		Y	On foot	R to Other	1	JO01NS56MN		
5	ZS6BNE	ZS6MSW	CW	2024-10-16	14:07:00	7.0300		Y	On foot	R to Other	1	KG34AC19EN	KG33XV51VF	
4	ZS6BNE	ZS6MSW	CW	2024-10-14	14:48:00	7.0300		Y	On foot	R to Other	1			
3	ZS6MSW	ZS6BNE	CW	2024-10-11	12:21:00	7.0300	Y	Y	On foot	R to R	3	KG33XU69VT	S25.875352 E26.0	Y
3	ZS6BNE	ZS6MSW	CW	2024-10-11	12:18:00	7.0300	Y	Y	On foot	R to R	3	S25.875352 E26.0	KG33XU69VT	Y
2	ZS6MSW	ZS6UT	CW	2024-10-08	14:07:00	7.0300		Y	On foot	R to R	3	KG33XV83SF	KG44DE	
2	ZS6BNE	ZS6UT	CW	2024-10-08	13:58:00	7.0300		Y	On foot	R to Other	1	KG34AC19ES	KG44DE	
2	ZS6MSW	ZS6BNE	CW	2024-10-08	13:55:00	7.0300	Y	Y	On foot	R to R	3	KG33XV83SF	KG34AC19ES	Y
2	ZS6BNE	ZS6MSW	CW	2024-10-08	13:54:00	7.0300	Y	Y	On foot	R to R	3	KG34AC19ES	KG33XV83SF	Y
1	ZS6MSW	ZS6UT	CW	2024-10-07	14:19:00	7.0300	Y	Y	On foot	R to Other	1	KG33XV64EH	KG44DE	
CHASER	ZS6UT	ZS6MSW	CW	2024-10-07	14:18:00	7.0300	Y	Y		R to R	3	KG44DE	KG33XV	
CHASER	ZS6UT	ZS6BNE	CW	2024-10-07	14:16:00	7.0300	Y	Y		R to R	3	KG44DE	KG34AC19E0	Y
1	ZS6BNE	ZS6UT	CW	2024-10-07	14:15:00	7.0300	Y	Y	On foot	R to Other	1	KG34AC19E0	KG44DE	Y
1	ZS6MSW	ZS6BNE	CW	2024-10-07	14:14:00	7.0300	Y	Y	On foot	R to R	3	KG33XV64EH	KG34AC19E0	Y
1	ZS6BNE	ZS6MSW	CW	2024-10-07	14:13:00	7.0300	Y	Y	On foot	R to R	3	KG34AC19E0	KG33XV64EH	Y

100 ▼ Page 1 of 2 Displaying 1 to 100 of 182 items





Centenary Technical Symposium 2025



RaDAR Rally Evaluator [v 28.02.25] Submitted logs Unique callsigns Final result Bar chart

Date / Time window: (Please adjust for the RaDAR Rally (Four hour) time period being evaluated)

Dates	Select	Times
Start date:	2025-04-05	Time (UTC): 00:00
End date:	2025-04-05	Time (UTC): 23:59

RaDAR Rally Evaluation:

Option	Description	Start evaluation
RaDAR Rally points evaluation	(Points * Deployments) + Bonus points.	Refresh Submit

Bonus Points:

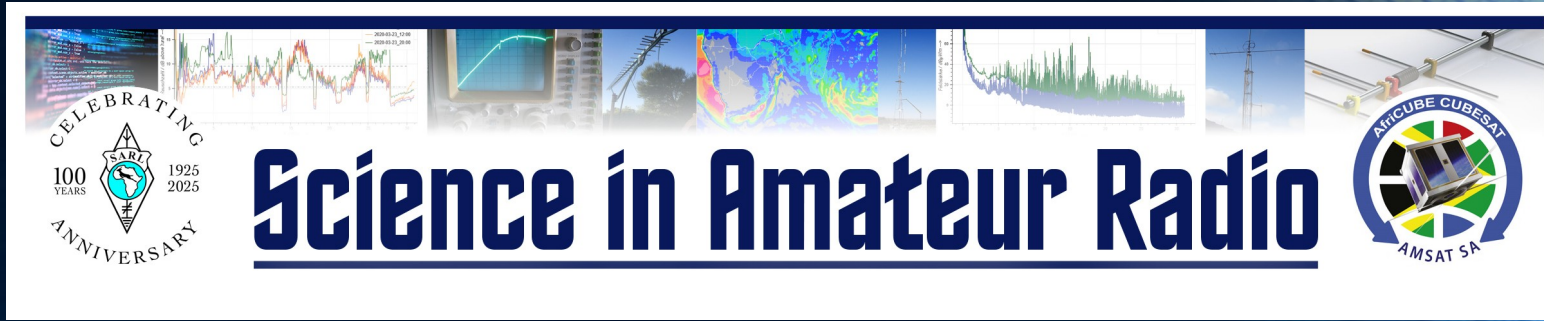
- A. One bonus point for RaDAR to RaDAR or Chaser to RaDAR contacts with a matching QSL (Y) on the online RaDAR Rally system.
- B. Two bonus points per deployment where one or more contacts are QRP (Y).
- C. Three bonus points for each non-motorized transition.
- D. Six bonus points for the first intercontinental RaDAR to RaDAR contact (Determined manually).

The American “RaDAR Rally”
Online Evaluator.

Instant results at the clicking
of the Submit button.....!



Centenary Technical Symposium 2025



"I don't want to see where my friends are logging. I don't want to know who they spoke to. I don't want to check on whether their QSL's are correct."

"I do paper logs."

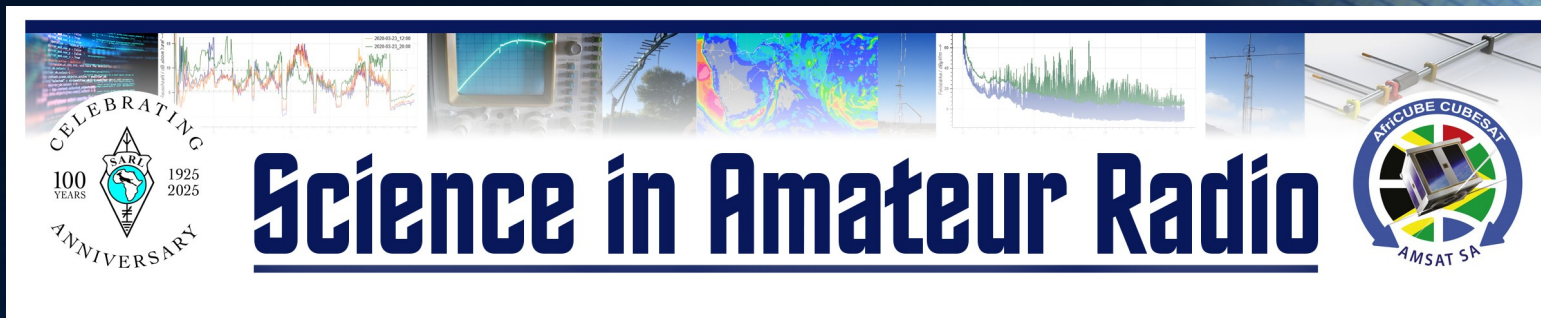
"I don't need to put my logbook out on social media for everyone to inspect. The contacts that I make are no one else's business."

Minimum support for the concept from the general South African amateur radio community.





Centenary Technical Symposium 2025



The COOL Main - The OPEN View [v 09.03.25] (Sorted by Date and Time) Note: [1] Double click on the log to generate a detailed QSL card. [2] Click on sortable column headers to sort asc. / desc.

[New Log](#)
[Edit Log](#)
[Delete log](#)
[Export page to Excel](#)
[Print screen](#)
[Mini WAZS Status](#)
[Mini WAZS Certificate](#)
[Mini WAZS Evaluator](#)
[Mini WAZS Browser](#)
[COOL Quiz](#)

[Search callsign](#)
[Search other](#)
[Prepare for selective download](#)
[Download ADIF](#)
[Download Cabrillo](#)
[Upload ADIF](#)
[COOL Evaluator](#)
[PDF QSL](#)
[Reload COOL](#)

***	Callsign	Other	Comments	Date	Time	Frequency	QSL	Mode	Watts	sRST	Own Exchange	rRST	Other's Exchange	CHK
	ZS6UT	A65V	VINCE ABU DHABI	2025-03-16	05:20:00	24.8980		CW	100	539	KG44DE	529		
	ZS6UT	A65V	VINCE ABU DHABI	2025-03-16	05:11:00	21.1240		CW	100	529	KG44DE	539		
	ZS6UT	A65V	VINCE ABU DHABI	2025-03-16	05:06:00	18.0810		CW	100	529	KG44DE	529		
	ZS1CF	K1LZ	CONTEST	2025-03-16	04:35:00	7.0030		CW			JF96AV			
	ZS6UT	KC1UML	MICHELLE MA	2025-03-15	18:19:00	28.0630		CW	100	529	KG44DE	539	NIL	
	ZS6UT	ZD7BG	GILBERT ST HELENA	2025-03-15	18:00:00	21.0353		CW	100	599	KG44DE	599		
	ZS6UT	DL202SS	EU CAPITAL	2025-03-15	17:46:00	14.0115		CW	100	599	KG44DE	599		
	ZS5CN	ZS5PG	MATT	2025-03-15	15:09:00	7.0200		CW	5	579	KG40TD	579		
	ZS6MSW	ZS5CN	LUDWIG QRS WEEK	2025-03-15	14:39:00	7.0300	Y	CW	100	599	KG33XV	599		
	ZS5CN	ZS6MSW	MIKE	2025-03-15	14:38:00	7.0300	Y	CW	100	599	KG40TD	599	NIL	
	ZS6MSW	ZS6DI	BRANDT QRS WEEK	2025-03-15	14:16:53	7.0300		CW	100	599	KG33XV	599	KG43WU	
	ZS1CF	LU8QT	CONTEST ARGENTINA	2025-03-15	14:10:00	28.0100		CW			JF96AV			
	ZS1CF	AA2A	CONTEST USA	2025-03-15	14:02:00	28.0120		CW			JF96AV			
	ZS1CF	LU7QT	CONTEST ARGENTINA	2025-03-15	13:54:00	28.0100		CW			JF96AV			
	ZS6UT	ZS0AWA	ANDY AWA NET	2025-03-15	12:37:00	7.0250		CW	100	599	KG44DE	599		
	ZS6UT	ZS6OMT	TOM AWA NET	2025-03-15	12:35:00	7.0250		CW	100	589	KG44DE	599		

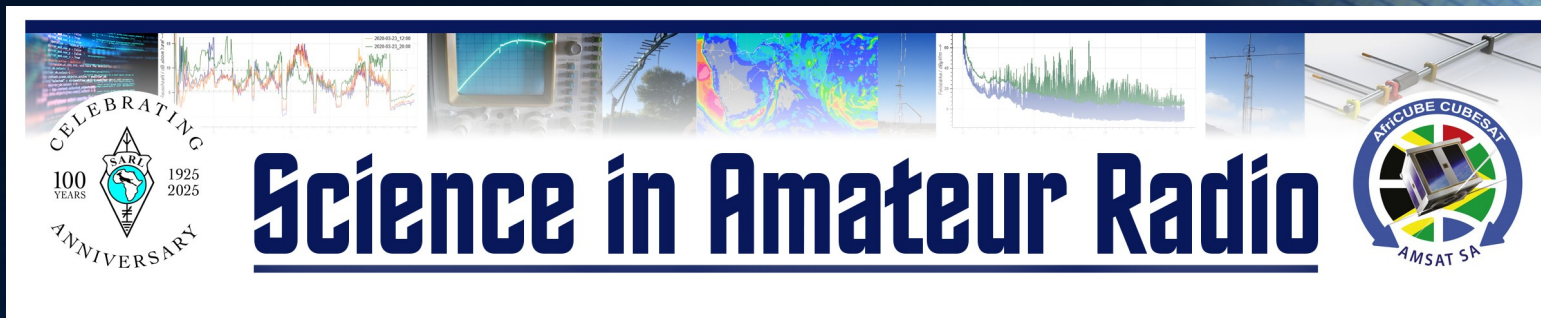
100 Page 1 of 76

Displaying 1 to 100 of 7558 items

Bringing ham radio communities together in support of one another.



Centenary Technical Symposium 2025

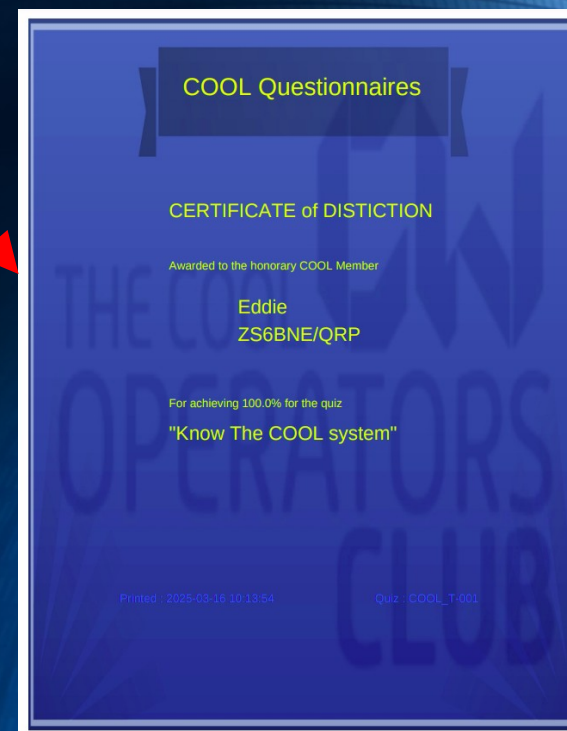


Name: Callsign: COOL PIN: [2] [3]

[1] DOUBLE CLICK on each row to reply to the question. Scroll down for further questions. [2] Click Submit when complete.

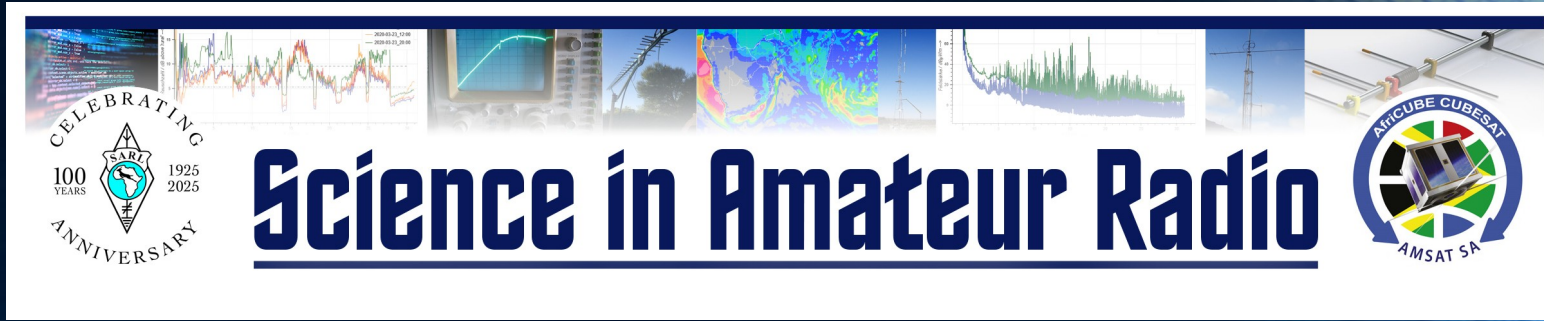
Test	COOL Questions
1 T-001	What does "The COOL" stand for?
2 T-001	What is the purpose of "The COOL" ?
3 T-001	Can "The COOL" be used as a master log?
4 T-001	Can "The COOL" be used on a mobile device.
5 T-001	Can "The COOL" export data to Excel?
6 T-001	Can I or want to edit my logs?
7 T-001	Can anyone delete my logs on The COOL?
8 T-001	Can "The COOL" export ADIF data?
9 T-001	Can my COOL logs be shared with other systems?
10 T-001	Can I import my FT8 QSO's from WSJT-X to The COOL?
11 T-001	Can I log any Mode on The COOL?
12 T-001	What exchange information can I share?
13 T-001	Are COOL exchange entries checked for accuracy.
14 T-001	Are all log entries used towards the min WAZS award.
15 T-001	What QSL facilities are available?
16 T-001	Why would I want others to see my logs?
17 T-001	Is "The COOL" safe to use?

The COOL Marker	
Answered	
14	Yes
15	Yes
16	Yes
17	Yes
18	Yes
19	Yes
20	Yes
21	Yes
22	Yes
23	Yes
24	Yes
25	Yes
26	Yes
27	Yes
28	Yes
29	Yes
30	Yes





Centenary Technical Symposium 2025



The aim of participating in a RaDAR event.

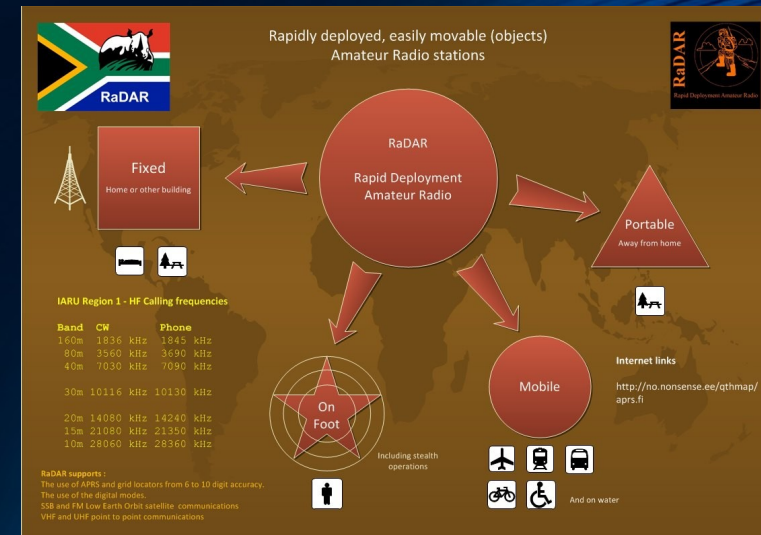
Practical training in construction and testing of electronics and antennas.

Propagation evaluation.

Strategic planning for best outcomes.

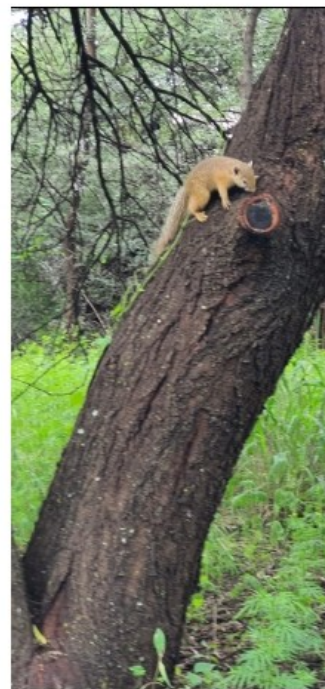
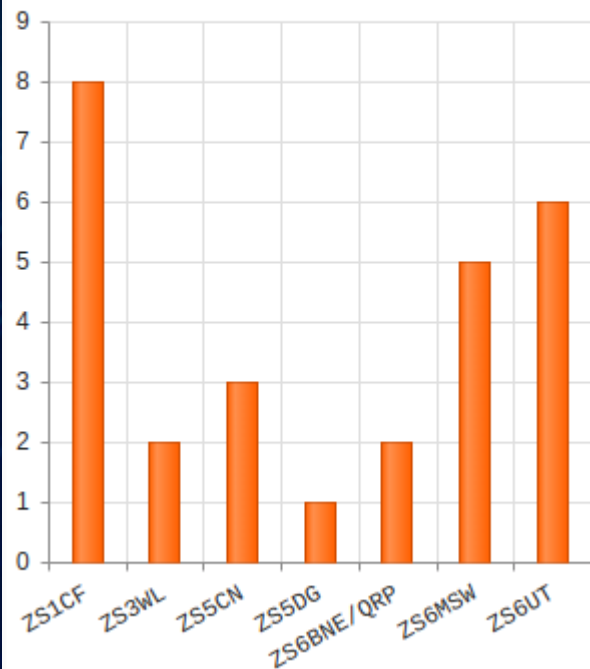
Put yourself and equipment to the test.

Evaluate your readiness and progress.





Logs submitted to The COOL on
Date 2025-03-21 UTC 00:00 to 23:59

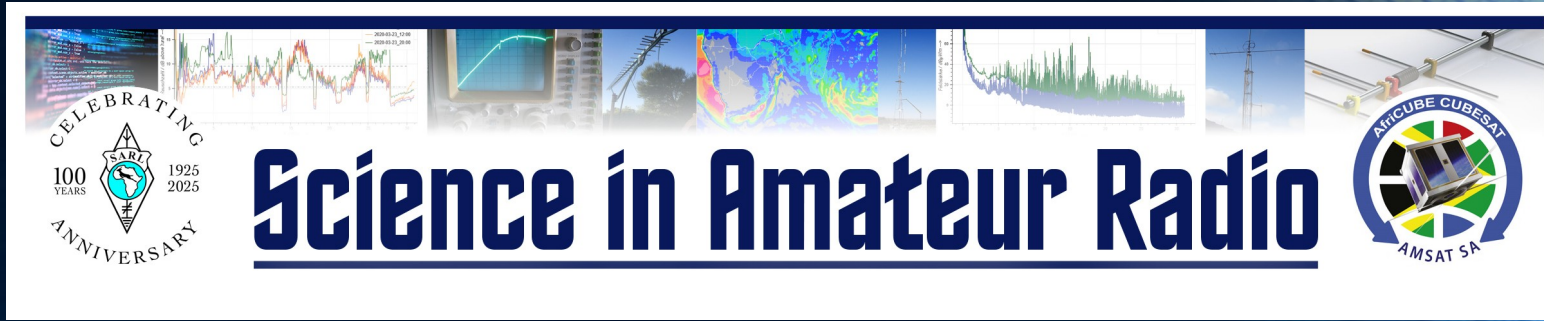


The goal of RaDAR
Regular practice!

New Log Edit Log Delete log Export page to Excel Print screen Mini WAZS Status Mini WAZS Certificate Mini WAZS Evaluator Mini WAZS Browser COOL Quiz															
Search callsign Search other Prepare for selective download Download ADIF Download Cabrillo Upload ADIF COOL Evaluator PDF QSL Relo COOL															
***	Callsign	Other	Comments	Date	Time	Frequency	QSL	Mode	Watts	sRST	Own Exchange	rRST	Other's Exchange	CHK	
	ZS6UT	ZS6BNE/QRP	EDDIE QCX MINNIE	2025-03-21	11:44:00	7.0300	Y	CW	5	579	KG44DE	599	NIL		
	ZS6BNE/QRP	ZS6UT	BOTH QRP MOSSIES	2025-03-21	11:42:00	7.0300	Y	CW	5	599	KG34AC19ES	579			
	ZS6MSW	ZS6BNE/QRP	GREAT CHAT	2025-03-21	11:30:00	7.0300	Y	CW	100	529	KG33XV64EH	599	KG34AC19ES	Y	
	ZS6BNE/QRP	ZS6MSW	WX CLOUDY ES WARM	2025-03-21	11:29:00	7.0300	Y	CW	5	599	KG34AC19ES	529	KG33XV64EH	Y	
	ZS5DG	ZS6MSW	FB QSO MIKE	2025-03-21	10:53:00	7.0300	Y	CW			KG50LD				



Centenary Technical Symposium 2025



The rather controversial COOL has its roots within Rapid Deployment Amateur Radio.

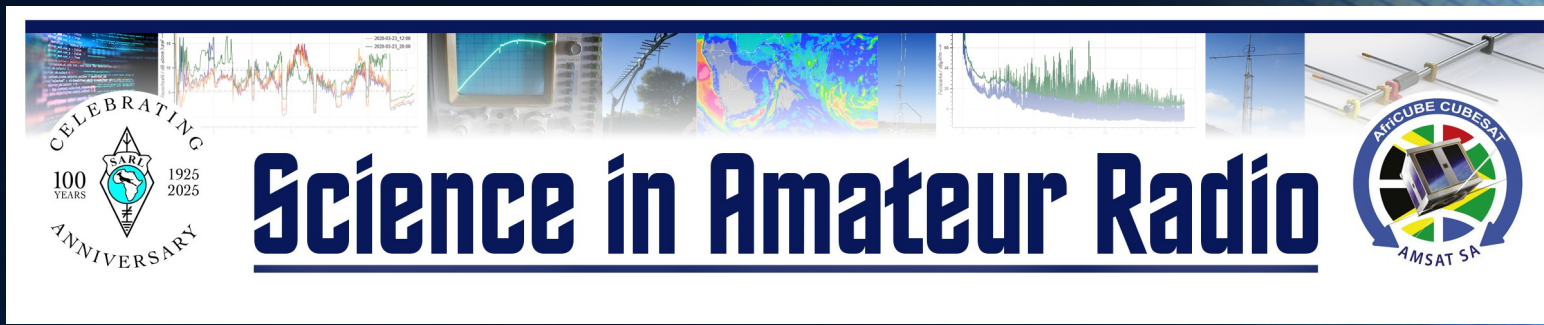
It is important to recognise the purpose and design of The COOL.

The COOL stands for Community Online OPEN Logbook. The idea originated from a presentation done at the “QSO Today” Virtual Hamfest in 2021 where online evaluations of the RaDAR Challenges were proposed.





Centenary Technical Symposium 2025



Thank you!

73

