CW-SCHULE GRAZ
CW School Graz

„Software für Telegrafisten"

„Software for Telegraphists"

Vortrag HamRadio 2019, Friedrichshafen, 12 UHR,

Raum Liechtenstein, Samstag, 22. Juni 2019

OE6RDD, HSC 1940,VHSC 423, MMag. Gerhard Ranftl (Deutsch)

OE6FEG, HSC 1954, Matthew Pullan (Englisch)

**Wie finden sich Telegrafisten
Mit moderner Technik auf
dem Band?**

*How do telegraphists
use modern technology
to find each other on
the band?*

- **Das RBN ist ein weltweites automatisch arbeitendes Netzwerk**
- *The RBN is a worldwide automatic network*

- **Es besteht aus SDR-Empfänger und dem Programm „Skimmer"**
- *It is made up of SDR receivers and the "Skimmer" program*

- **Die Empfangsdaten werden gesammelt im Internet ausgegeben und sind für jeden zugänglich.**
- *The data received is collated and distributed on the internet and available to everyone*

Landesverband OE6
Steiermark

welcome | main | dx spots | nodes | downloads | about | contact us

Map | Satellite

NORTH AMERICA
Atlantic Ocean
ASIA
EUROPE
AFRICA
SOUTH AMERICA
Pacific Ocean
Indian Ocean
OCEANIA

Google — Map data ©2017 | Terms of Use

/ 160m / 80m / 40m / 30m / 20m / 17m / 15m / 12m / 10m / 6m / 2m
world wide / zoom to US / zoom to Europe / zoom to North Atlantic

show/hide my last filters

showing spots for DX call: OE6RDD

search spot by callsign

rows to show: 30 ▼

de	dx	freq	cq/dx	snr	speed	time
HB9BXE	OE6RDD	14022.0	CW CQ [LoTW]	5 dB	26 wpm	0609z 21 Oct
UA4M	OE6RDD	14022.1	CW CQ [LoTW]	5 dB	25 wpm	0609z 21 Oct
RV3DBW	OE6RDD	14022.2	CW CQ [LoTW]	15 dB	25 wpm	0609z 21 Oct
VK4CT	OE6RDD	14022.0	CW CQ [LoTW]	14 dB	25 wpm	0609z 21 Oct
LA6TPA	OE6RDD	14022.0	CW CQ [LoTW]	17 dB	26 wpm	0609z 21 Oct
SE0X	OE6RDD	14022.0	CW CQ [LoTW]	45 dB	26 wpm	0609z 21 Oct
R6YY	OE6RDD	14022.0	CW CQ [LoTW]	21 dB	25 wpm	0608z 21 Oct
SK3W	OE6RDD	14022.0	CW CQ [LoTW]	56 dB	27 wpm	0608z 21 Oct
SE5E	OE6RDD	14022.0	CW CQ [LoTW]	48 dB	26 wpm	0608z 21 Oct
5B4AGN	OE6RDD	14022.0	CW CQ [LoTW]	7 dB	25 wpm	0608z 21 Oct
UD4FD	OE6RDD	14022.0	CW CQ [LoTW]	18 dB	25 wpm	0608z 21 Oct
ES5PC	OE6RDD	14021.9	CW CQ [LoTW]	39 dB	27 wpm	0608z 21 Oct

options:
show/hide

Do you enjoy the RBN?
Please consider supporting us!

Donate

OE6RDD frequencies on last 15 minutes:

20m: 14022 - 12 spots

we have 153 skimmers online

skimmers online:
3B8CW - 12m
5B4AGN - 40m, 30m, 20m
7L4IOU - 40m, 20m
9A1CIG - 80m, 40m, 30m, 20m
9M2CNC - no spot last 15min
9V1RM - 15m
AA4VV - 80m, 40m
AC0C - no spot last 15min
AC0G - no spot last 15min
BD4WN - no spot last 15min
BD7IS - 40m, 20m
BD7LLL - 20m, 15m
BG4GOV - 40m
BG4WOM - 20m, 15m
BG8NUD - 20m, 17m, 15m
CX7ACH - 40m
DB0MMO - no spot last 15min
DF4XX - 40m, 30m, 20m
DJ2BC - 40m, 30m, 20m
DJ3AK - 40m, 30m, 20m
DJ6HP - 30m
DJ9IE - 160m, 80m, 40m, 30m, 20m, 17m, 15m
DK0TE - 80m, 40m, 30m, 20m
DK3UA - 80m, 40m, 30m
DK8NE - no spot last 15min
DK9IP - 80m, 40m, 30m, 20m, 17m

N7TR - 160m, 80m, 40m
N7TUG - no spot last 15min
N9YKE - 160m, 80m, 40m
NC7J - 160m, 40m, 30m
ND0B - 6m
NH6HI - no spot last 15min
NN3RP - no spot last 15min
OE6TZE - 80m, 40m, 30m
OL7M - 80m, 40m, 30m, 20m
ON6ZQ - 40m, 30m, 20m
OZ5W - no spot last 15min
PA0MBO - 40m
PJ2A - 40m, 30m, 20m
PR1T - no spot last 15min
PY1FR - 40m
PY1KN - no spot last 15min
R0BB - 20m
R6YY - 40m, 30m, 20m
RV3DBW - 40m, 30m, 20m, 17m
S50ARX - 160m, 80m, 40m, 30m, 20m, 15m
SE0X - 160m, 80m, 40m, 20m
SE5E - 80m, 40m, 20m
SK3W - 20m, 17m, 15m
SM2IUF - no spot last 15min
SM6FMB - 160m, 80m, 40m, 30m, 20m, 17m, 15m
SV1CDN - 40m, 20m
SV1DPJ - 40m, 30m
SV3EXP - 40m, 30m, 20m

RBN Test 40 mtr, ant Delta Loop

RBN Test 80 mtr, ant Delta Loop

80 mtr Delta Loop

Elektrischer Weidezaun

Electric fence

DxMaps, 40 mtr RBN Test

CC User

Configuration   Set   Reflector   Help   Donate

VE7CC-1

Sunrise 03:58Z   Sunset 17:52Z   Sunrise +0:17   21 Apr   04:16:04

```
#^15^11^18^14^^^PY^SM^GH90^JO89^24^-19.5/41 (VE7CC-1)
CC11^3540.7^YU8NU^21-Apr-2019^0415Z^CW 13 dB 26 WPM CQ^ES5PC-#^1^VE7CC-1^SK1MMR-1-
#^28^15^29^15^^^YU^ES^KN03^KO38^24^43.5/-21 (VE7CC-1)
CC11^3537.4^VA3RAC^21-Apr-2019^0415Z^CW 24 dB 29 WPM CQ^ON5KQ-#^1^VE7CC-1^SK1MMR-1-
#^4^4^27^14^ON^^VE^ON^^JO10^24^43.7/79.4 (VE7CC-1)
CC11^7004.5^UX3HX^21-Apr-2019^0415Z^CW 20 dB 26 WPM CQ^HA1VHF-#^1^VE7CC-1^SK1MMR-1-
#^29^16^28^15^^^UR^HA^KN79^JN87^24^49.5/-35 (VE7CC-1)
CC11^14013.9^BH8ASZ^21-Apr-2019^0415Z^CW 8 dB 24 WPM CQ^UD4FD-#^1^VE7CC-1^SK1MMR-1-
#^43^24^29^16^^^BY^UA^OM89^LO23^24^39.5/-117 (VE7CC-1)
```

| Settings | Country | State | Bands | Users | DX | WWV | Login | Ann | Wx Plus | Mail |

Spotter	Freq	DX	Time	☑ DX	☑ Skimmer

				ALL	1357
PA0MBO-#	3522.0 +HG4W	0415Z 21 CW 5 dB 30 WPM CQ	160	43	43
G0LUJ-#	7033.2 LZ7DX	0415Z 21 CW 12 dB 25 WPM CQ	80	497	497
DL9GTB-#	7017.0 +TI3ATS	0415Z 21 CW 4 dB 17 WPM CQ	40	684	684
S50ARX-#	7026.0 +YT1T	0415Z 21 CW 2 dB 33 WPM CQ	30	38	38
DK9IP-#	7022.4 +AA3B	0415Z 21 CW 17 dB 31 WPM CQ	20	95	95
F5RRS-#	7014.6 YO9AGI	0415Z 21 CW 27 dB 26 WPM CQ	17		
IT9GSF-#	3511.3 9A7R	0415Z 21 CW 4 dB 26 WPM CQ	15		
HB9JCB-#	7025.5 +K5UV	0415Z 21 CW 4 dB 25 WPM CQ	12		
G4HSO-#	3523.7 YO4TL	0415Z 21 CW 5 dB 29 WPM CQ	10		
HA6PX-#	7027.0 SV1BJW	0415Z 21 CW 64 dB 27 WPM CQ	4		
UD4FD-#	14018.4 BG3JNM	0415Z 21 CW 9 dB 27 WPM CQ	Alarm	5	5
YU7AF	7012.9 YT0CW	0415Z 21 CW			
SM7IUN-#	7012.9 YT0CW	0415Z 21 CW 19 dB 35 WPM CQ	SFI=70 A=4 K=2		
SE5E-#	7025.0 +PY4VG	0415Z 21 CW 18 dB 24 WPM CQ			
ES5PC-#	3540.7 +YU8NU	0415Z 21 CW 13 dB 26 WPM CQ			
ON5KQ-#	3537.4 +VA3RAC	0415Z 21 CW 24 dB 29 WPM CQ			
HA1VHF-#	7004.5 +UX3HX	0415Z 21 CW 20 dB 26 WPM CQ			
UD4FD-#	14013.9 +BH8ASZ	0415Z 21 CW 8 dB 24 WPM CQ			

Lock

Log   Alarm   Clear Sound   Ann   Spot   Clear ALL   Get ALL

CC User

Configuration   Set   Reflector   Help   Donate

VE7CC-1

| | Sunrise | Sunset | Sunrise | 21 Apr |
| | 03:58Z | 17:52Z | +0:30 | 04:29:20 |

```
#^28^15^29^16^^^OK^UA^JN89^LO23^24^49.5/-17 (VE7CC-1)
CC11^14054.9^UA0YDB^21-Apr-2019^0429Z^CW 26 dB 16 WPM CQ^UD4FD-#^1^VE7CC-1^SK1MMR-1-
#^32^23^29^16^^^UA9^UA^^LO23^24^51.78/-94.75 (VE7CC-1)
CC11^10111.1^UT7LW^21-Apr-2019^0429Z^CW 10 dB 28 WPM CQ^LZ4AE-#^1^VE7CC-1^SK1MMR-1-
#^29^16^28^20^^^UR^LZ^KN88^KN13^24^48.5/-37 (VE7CC-1)
CC11^7014.9^IT9CKA^21-Apr-2019^0429Z^CW 17 dB 22 WPM CQ^DL8TG-#^1^VE7CC-1^SK1MMR-1-
#^28^15^28^14^^^IT9^DL^JM68^JO52^24^38.5/-13 (VE7CC-1)
CC11^7019.8^UA6AK^21-Apr-2019^0429Z^CW 42 dB 32 WPM CQ^9A1CIG-#^1^VE7CC-1^SK1MMR-1-
#^29^16^28^15^^^UA^9A^^JN83^24^45.37/-39.43 (VE7CC-1)
```
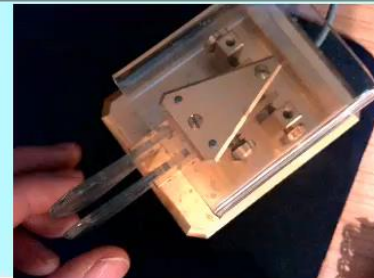
| Settings | Country | State | Bands | Users | DX | WWV | Login | Ann | Wx Plus | Mail |

Spotter	Freq	DX	Time				
SZ1A-#	7029.7	9A7R	0428Z 21 CW 17 dB 24 WPM CQ
HB9BXE-#	3534.4	OM3CDN	0428Z 21 CW 21 dB 19 WPM CQ
UD4FD-#	14026.9	BH1DYK	0428Z 21 CW 21 dB 27 WPM CQ
9A1CIG-#	7008.3	+HC2AO	0428Z 21 CW 28 dB 28 WPM CQ
SM4EMO	7005.3	+VE5MX	0428Z 21 MM
ES5PC-#	7016.0	YU1ED	0428Z 21 CW 25 dB 28 WPM CQ
EA5WU-#	3532.0	OK2BFN	0428Z 21 CW 9 dB 25 WPM CQ
UD4FD-#	14011.9	BY6LY	0428Z 21 CW 8 dB 19 WPM CQ
S50U-#	3529.3	ON5WL	0428Z 21 CW 13 dB 22 WPM CQ
F6IIT-#	3521.0	+K5UV	0428Z 21 CW 6 dB 25 WPM CQ
HA1VHF-#	14017.5	UN7ID	0428Z 21 CW 11 dB 26 WPM CQ
HB9BXE-#	3508.3	+IK2CAW	0428Z 21 CW 16 dB 20 WPM CQ
ON7MV	3790.0	+YY2WTF	0429Z 21
UD4FD-#	10107.0	OK2EQ	0429Z 21 CW 37 dB 25 WPM CQ
UD4FD-#	14054.9	UA0YDB	0429Z 21 CW 26 dB 16 WPM CQ
LZ4AE-#	10111.1	+UT7LW	0429Z 21 CW 10 dB 28 WPM CQ
DL8TG-#	7014.9	+IT9CKA	0429Z 21 CW 17 dB 22 WPM CQ
9A1CIG-#	7019.8	UA6AK	0429Z 21 CW 42 dB 32 WPM CQ

KPA500 Remote by Elecraft®

Host | Connect Disconnect | Mini Mode   About

Power | Operate   ○ Operate ● **Standby**   Band 80m ⌄

Power: 0 W

SWR: NO RF

Current: PTT OFF

Voltage: 76.7 V

Temp: 27 C

Fan Speed: Auto

Speaker Alarm   **AMP ON**   Clear Fault

Log   Alarm   Clear Sound   Ann   Spot   Clear ALL   Get ALL

CW Club RBN Spotter

The table shows recent RBN spots of CW club members in a dynamically updated bandmap table. See here for more info.

hide filter

Members of	all	nil	✔ CWops	✔ FISTS	✔ FOC	✔ HSC	✔ VHSC	✔ SHSC	✔ EHSC	✔ SKCC				
Bands	all	nil	✔ 160	✔ 80	✔ 60	✔ 40	✔ 30	✔ 20	✔ 17	✔ 15	✔ 12	✔ 10	✔ 6	
Speeds	all	nil	✔ <20	✔ 20-24	✔ 25-29	✔ 30-34	✔ 35-39	✔ >39						
Call filter	*													
Own call	OE6RDD		☐ Include self-spots											
Skimmers from	all	nil	✔ EU	✔ NA	✔ AS	✔ SA	✔ AF	✔ OC						
Max spot age	○ 5	○ 10	○ 15	● 20	○ 25	○ 30	○ 35	○ 40	○ 45	○ 50	○ 55	○ 60		
Sort by	● Freq	○ Call	○ Age	○ Club	○ Speed	○ Spotter								

Frequency	Call	Age	Member of	WPM	Spotted by
3519.0	W7SW	3	CWops	28-30	N7TR WB6BEE KO7SS NC7J K3PA VE6WZ N6WIN W7HR VE7CC VE6JY N6TV VK4CT N
3525.4	K5SBR	11	SKCC	22	K3PA KO7SS
3525.7	G7VJR	18	CWops FOC	27	DJ9IE G0LUJ
3539.0	G4RMV	19	CWops FOC SKCC	30-31	G0LUJ M0VSE DJ9IE
3541.0	DK5JPL	4	HSC	28-29	DJ9IE DL9GTB DL1RNN DJ2BC
3550.0	K6PB	1	SKCC	13	N7TR KO7SS VE7CC WB6BEE
3556.0	IU0HMB	6	FISTS	22	OE6TZE
5355.1	G4RMV	20	CWops FOC SKCC	31	DL9GTB

13

CW Clubs RBN

SOTAwatch2

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This page refreshes every 1 minute. Last updated 07:58:47 UTC.

Latest Spots

>> more spots | Go to Alerts | new spot

Fri 07:58	DL/ON6UU/P on DM/RP-003 (Posted by ON6UU)		10.113 cw
Fri 07:51	DL/ON6UU/P on DM/RP-003 (Posted by ON6UU)		7.112 ssb
Fri 07:44	DL/OT6V/P on DM/RP-003 (Posted by ON6UU)		7.112 ssb
Fri 07:42	HB9CMC/P on HB/AI-008 *[Outd Log] (Posted by HB9CMC)		3.559 cw
Fri 07:41	S50AAA/P on S5/PK-005 CQ sota (Posted by S59WT)		14.273 ssb
Fri 07:39	DK7FH/P on DM/RP-456 *[RBNHole] at DK0TE 18 WPM 29 dB SNR (Posted by RBNHOLE)		7.03 cw

Upcoming Activations

>> more alerts | new alert

Fri 07:00	DK7FH/P on DM/RP-456 time +/- KX-3 20m efhw (Posted by DK7FH)		7.03-cw,10.116-cw
Fri 07:15	ON6UU/P on ON/ON-009 together with OT6V/p (Posted by ON6UU)	3.560-cw,3.650-ssb,7.093-ssb,10.118-cw	
Fri 07:30	F4IFK on F/AM-614 (Posted by F4IFK)		7-ssb,14-ssb,50-ssb
Fri 07:30	VK1IRC on VK1/AC-043 2M Voice Activation (Posted by VK1IRC)		146.500-fm
Fri 08:30	DL/ON6UU/P on DM/RP-003 together with OT6V/p + other freq\'s (Posted by ON6UU)	3.560-cw,3.650-ssb,7.093-ssb,10.118-cw	
Fri 08:30	S50AAA/P on S5/PK-005 -/+ 1/ 10 anniversary for club/ opr,S59WT/ Igor (Posted by S59WT)		145-fm,7-ssb,14-ssb

Reflector Latest

SOTA Awards March and April 2
by GM4TOE, **#2** by GM4TOE, 31days ago

vhf beam
by 2E0FGX, **#25** by 2E0FGX, 31mins ago

webSDR / remote receiver: Ple
by G0RQL, **#92** by OE5AKM, 3hrs ago

M1EYP SOTA Website Update
by M1EYP, **#17** by M1EYP, 7hrs ago

FR/RE-004 and FR/RE-005
by F4HPX, **#6** by DD5LP, 13hrs ago

Visiting Bavarian Forest
by HB9DIZ, **#6** by HB9DIZ, 14hrs ago

SQ9NOT/p & SQ9MDF/p Cyprus
by SQ9MDF, **#10** by SQ9MDF, 16hrs ago

SMP patching
by VK3ARR, **#30** by HB9DIZ, 17hrs ago

Ideal Pen for SOTA
by DK3IT, **#58** by G4OBK, 22hrs ago

Mapping list issue
by F6HBI, **#5** by F6HBI, 27hrs ago

ON7DQ EA7 Tour
by ON7DQ, **#10** by ON4FI, 34hrs ago

Failed activation of Caer Carad
by M7JPM, **#8** by M7JPM, 38hrs ago

Modding the QCX
by PG8M, **#6** by PG8M, 39hrs ago

>> more topics…

SOTAwatch2

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Video | Photos | Shop | Mapping | Facebook | Contact SOTA

Add New SOTA Activation Alert

Callsign: oe6rdd/p

Full summit reference: oe / st-320 **(e.g. GM/WS-001)**

Date of activation: 31/05/2019 **(dd/mm/yyyy)**

ETA (in UTC): 0800 **(eg. 1215) MUST BE UTC**

Freq(s)/mode(s): 3.5-cw, 7-cw

(Format: [Freq-mode, freq2-mode2, ...] See examples below, max 40 characters)

Comments: Test **(max 60 characters)**

Posted by: OE6RDD/P

Add Alert

Examples for Band(s)/mode(s):
 145-fm
 145.500-fm, 144.300-ssb
 5-ssb, 7-ssb, 145-fm
 1.843-cw, 3.560-cw, 7.030-cw, 14.060-cw, 145-fm

16

SOTAwatch2

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This page refreshes every 1 minute. Last updated 08:11:13 UTC.

Latest Spots

>> more spots | Go to Alerts | new spot

Fri 08:09	DL/ON6UU/P on DM/RP-003	14.063 cw
	(Posted by ON6UU)	
Fri 08:09	DL/ON6UU/P on DM/RP-003	14.063 cw
	*[RBNHole] at OH6BG 22 WPM 8 dB SNR (Posted by RBNHOLE)	
Fri 08:09	DK7FH/P on DM/RP-456	10.116 cw
	*[RBNHole] at EA5WU 17 WPM 16 dB SNR (Posted by RBNHOLE)	
Fri 08:08	ON6UU/P on ON/ON-009	10.1129 cw
	*[RBNHole] at S50ARX 21 WPM 9 dB SNR (Posted by RBNHOLE)	
Fri 07:59	HB9CMC/P on HB/AI-008	5.352 cw
	*[Outd Log] (Posted by HB9CMC)	
Fri 07:59	F4IFK on F/AM-614	14.175 ssb
	* [SOTA Spotter] (Posted by F4IFK)	

Upcoming Activations

>> more alerts | new alert

Fri 07:15	ON6UU/P on ON/ON-009	3.560-cw,3.650-ssb,7.093-ssb,10.118-cw
	together with OT6V/p (Posted by ON6UU)	
Fri 07:30	F4IFK on F/AM-614	7-ssb,14-ssb,50-ssb
	(Posted by F4IFK)	
Fri 07:30	VK1IRC on VK1/AC-043	146.500-fm
	2M Voice Activation (Posted by VK1IRC)	
Fri 08:00	OE6RDD/P on OE/ST-320 - [edit]	3.5-cw,7-cw
	Test (Posted by OE6RDD/P)	
Fri 08:30	DL/ON6UU/P on DM/RP-003	3.560-cw,3.650-ssb,7.093-ssb,10.118-cw
	together with OT6V/p + other freq\'s (Posted by ON6UU)	
Fri 08:30	S50AAA/P on S5/PK-005	145-fm,7-ssb,14-ssb

Reflector Latest

SOTA Awards March and April 2
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vhf beam
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webSDR / remote receiver: Ple
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M1EYP SOTA Website Update
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Modding the QCX
by PG8M, #6 by PG8M, 39hrs ago

>> more topics...

Ötzialarm

Contest

- **N1MM+**

- **CwGet**

Contest with Keyboard

FRAGEN?

QUESTION?

OE6RDD, HSC 1940, VHSC 423, MMAG. GERHARD RANFTL (DEUTSCH)

OE6FEG, HSC 1954, MATTHEW PULLAN (ENGLISCH)