

# Logging Software Workshop: Logger von N1MM

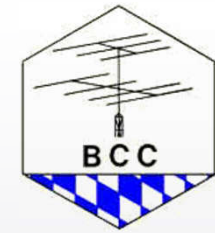
---

BCC HL3K Treffen 2003

Anders Larsson, DF3IAL SM4CNN

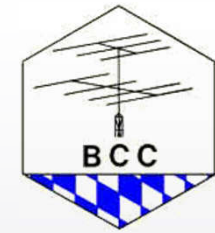
# Inhalt

- Einleitung
- OS und Hardware Anforderungen
- Bedienung / Ergonomie
- Einrichten
- Vernetzung / Multi OP
- RTTY / PSK31
- Unterstützte Wettbewerbe
- Daten, Export/Import



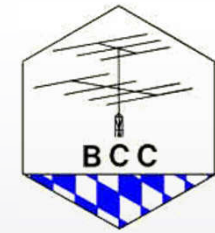
# N1MM Logger

- Ein Contest-only Logging Programm
- Noch in Entwicklung
- Exzellente Dokumentation
- Ständige Updates und Erweiterungen durch Benutzermeldungen
- Aktuelle Version ist 2.1.40
- Sehr aktiver Internetreflektor mit 1661 Mitgliedern
- Kostenlos



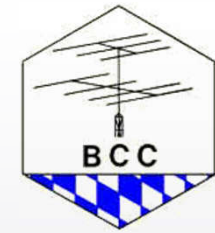
# Arbeitsgruppe

- Idea & overall design: Tom Wagner N1MM
- Overall programming: Tom Wagner N1MM
- Programming: Terry Gerdes AB5K  
Rick Ellison N2AMG
- Documentation/Help: Thomas Tinge PA3CEF
- Bugs/Requests/Features: Bob Harrison G4UJS
- Testing and proposals: Members Yahoo Group



# OS / Hardware Anforderungen

- MS Windows (95, 98, ME, NT, 2000, XP)
- Minimum CPU 233 MHz
- 266 MHz, 32MB RAM, nur ohne Vernetzung
- 667 MHz, 128MB RAM, läuft sehr gut



FT-1000MP

21013.26 SH/DX Wide

0.00 RIT XIT CW

Telnet Window - Disconnected

Packet Telnet Command:

```

DX de UR6LGR: 7090.2 JA2BR
DX de M3WVR: 144310.0 M0IBR
DX de DF3VM-1: 14007.9 3B8/G
DX de UR6LGR: 1829.0 UN7RB
DX de F5IDJ: 10108.7 IU5ON
DX de N7HLY: 21010.8 F5IN
DX de DK1MAX-10: 7002.0 JW0HU
DX de KF7E: 24902.0 G4BUE
DX de DK1MAX-10: 7005.5 JA5PL
DX de UR6LGR: 7027.2 IU5ON
DX de K1TTT-6: 28533.7 WD5ED
DX de ON6NL: 10122.1 OY3QN
DX de T94B: 7002.0 JW0HU
DX de UR6LGR: 7016.0 Z32LM
DX de W6LJS: 14200.0 5W0FT
DX de IK0VRA: 50000.0 J3/W6
DX de K1TTT-6: 28144.0 WD5ED
DX de CU3RD: 14200.0 CN2MK
DX de WB7RHT: 21010.8 F5IN
DX de IK1XPP: 14007.0 KC4/N
DX de ER5RN: 7090.0 JA2BR
DX de F5QF: 14008.0 3B8/G
DX de IZ0COI: 14200.0 CN2MK
DX de DL9RNO: 10101.7 3C5KA
DX de OE1SOW: 50000.0 TELBII
DX de F5IN: 21010.0 WB7RHT
DF3IAL de AB5K 09-Jan 1801Z arc >
BYE
BYE de AB5K
          
```

109 worked of 340 possible countries.

tax qso bruce 73

Info - DF3IAL - Exch: 599 006

5W0FT - 14200 [DF3IAL @ 0 min] - Self Spotted

5W - Western Samoa, Zone 32, OC, Bearing = 5°, 9941 mi.

Sunrise: 17:08Z Sunset: 06:00Z [Sunrise was 60 minutes]

WV: SFI=174 A=6 K=2 MINOR W/R1 ; MINOR W/R1

Rates: 1 mult = 2.4 Q's

Last	Last	Since	Since
10	100	17:07	18:00
32	32	3	3

Goal = 250

WPX CW - 09-Jan-03 18:08:00Z [19:00...]

File Edit View Tools Config Window Help

5W0FT Snt Rcv Snt NR Rcv NR

5W0FT 599 599 6

Wipe Log It Edit Mark Store Spot It

Esc: Stop F1 DF3IAL F2 Exch F3 TU F4 DF3IAL

F5 his call F6 F7 F8

Running 30 Record

Bearing = 5°, 9941 mi, 15998 km, LP = 185°

5W - Western Samoa, Zone 32, OC 1752/732 2977776

Multipliers by Band

Band	160	80	40	30	20	17	15	12	10	All Bands
1A	4U1I 7Q	A3 CE9 EA9	FO/c H4 IG9	KH1 OA	PY0T T32 TY	VK9L VU7 Z2				
1S	4U1U 7X	A4 CM EI	FO/m H40 IS	KH2 OD	PZ T33 TZ	VK9M XE Z3				
3A	4U1V 8P	A5 CN EK	FP HA IT9	KH3 OE	R1FJ T5 UA	VK9N XF4 ZB				
3B6	4W 8Q	A6 CP EL	FR HB J2 KH4	OH R1MV T7	UA2 VK9WXT ZA					
3B8	4X 8R	A7 CT EP	FR/g HB0 J3	KH5 OH0	S0 T8 UA9	VK9X XU ZC4				
3B9	5A 9A	A8 CT3 ER	FR/J HC J5	KH5K OJ0	S2 T9 UK	VP2E XV ZD7				
3C	5B 9G	AP CU ES	FR/t HC8 J6	KH6 OK	S5 TA UN	VP2M XX9 ZD8				
3C0	5H 9H	BS7 CX ET	FT8W HH J7	KH7K OM	S7 TA1 UR	VP2V XZ ZD9				
3D2	5N 9J	BV CY0 EU	FT8X HI J8	KH8 ON	S9 TF V2	VP5 YA ZF				
3D2/c	5R 9K	BV9P CY9	EX FT8Z HK JA	KH9 OX	SM TG V3	VP6 YB ZK1/m				
3D2/f	5T 9L	BY D2 EY	FW HK0/aJDM	KL OY	SP TI V4	VP8 YI ZK1/s				
3DA	5U 9M2	C2 D4 EZ	FY HK0/mJDo	KP1 OZ	ST T19 V5	VP8g YJ ZK2				
3V	5V 9M6	C3 D6 F	G HL JT	KP2 P2	SU TJ V6	VP8h YK ZK3				
3W	5W 9N	C5 DL FG	GD HM JW	KP4 P4	SV TK V7	VP8i YL ZL				
3X	5X 9Q	C6 DU FH	GI HP JW/b	KP5 PA	SWa TL V8	VP8s YN ZL7				
3Y/b	5Z 9U	C9 E3 FJ	GJ HR JX LA	PJ2 SV5	TN VE VP9	YO ZL8				
3Y/p	6W 9V	CE E4 FK	GM HS JY LU	PJ7 SV9	TR VK VQ9	YS ZL9				
4J	6Y 9X	CE0A EA	FM GM/s HV K	LX PY T2	TT VK0H VR	YU ZP				
4L	7O 9Y	CE0X EA6	FO GU HZ	KG4 LY	PY0F T30	TU VK0M VU	YV ZS			
4S	7P A2	CE0Z EA8	FO/a GW I	KH0 LZ	PY0S T31	TX0 VK9C VU4	YV0 ZS8			

109 worked of 340 possible countries.

WPX CW - C:\Programme\N1MMLogger\DEMO.MDB

TS	Call	Freq	Sent	NR	Prefix	Mult	Points
01-09-03 15:32:43	PY2CC	14083.18	2	21	PY2	No	3
01-09-03 18:02:19	WP2Z	28447.00	3	12	WP2	No	3
01-09-03 18:04:02	K5ZG	21013.26	4	12	K5	No	3
01-09-03 18:04:54	TG9/NOAT	21010.00	5	12	TG9	Yes	3

Check Unique

Available

Mult's	Q's
10	23
5	18
40	26
31	20
20	52
13	15
15	19
5	10

Score Summary

Band	Q	Mult	Total
3.5	108	20	5000
7	353	185	210160
14	464	188	179352
21	662	275	380600
28	165	64	22016
Total	1752	732	2977776

7027.2 IU5ONU  
28512.0 GI??  
21355.0 AH8A  
21070.0 HP1AC  
3511.0 JW0HU  
28495.0 GD4PTV  
28447.0 GI0TIC  
21090.0 A45WD  
21070.0 VD2NS  
21020.2 HC5AI  
7008.4 6K2BTX  
28411.9 5R8FU  
21025.0 EW3AA  
14031.0 3A2MD  
28477.0 KP4DKE  
28473.0 T77C  
21277.0 ER1QQ

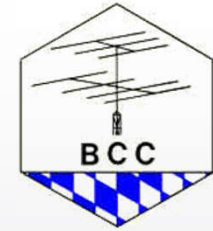
IC-751

14200.00 SH/DX Wide

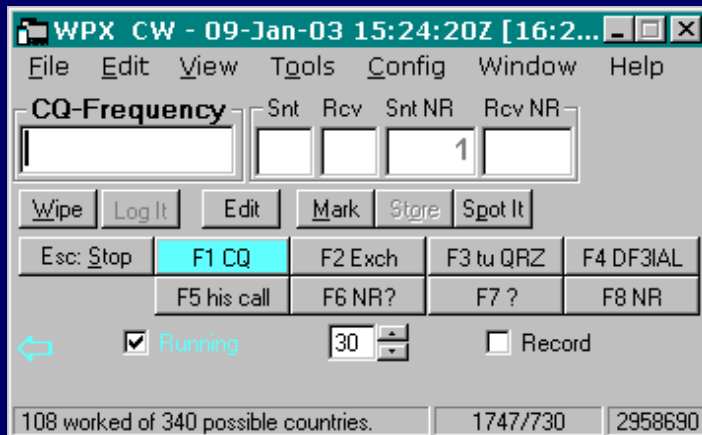
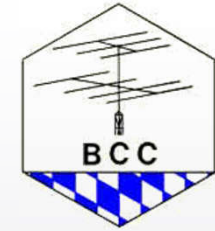
CW

# Bedienung / Ergonomie

- CT Kompatibel
- Keine Maus nötig.....
- Variable Anordnung der Fenster
- Darstellung auf 2 Monitoren möglich
- Einbindung von Windows Software (zB Makroprogrammen)
- Online Hilfe verfügbar



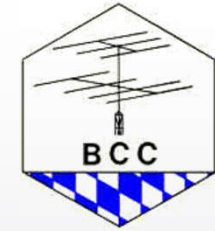
# Entry



- Enter Sends Message
- Run und S&P Mode
- Leertaste überspringt vorhandene Daten
- TAB führt zum nächsten Eingabefeld
- Nur ein Eingabefeld auch für 2 Radio



# Entry RUN



WPX CW - 09-Jan-03 15:39:14Z [16:3...

File Edit View Tools Config Window Help

CQ-Frequency Snt Rcv Snt NR Rcv NR

ZS6BNF [ ] [ ] [ 3 ] [ ]

Wipe Log It Edit Mark Store Spot It

Esc: Stop F1 CQ F2 Exch F3 tu QRZ F4 DF3IAL

F5 his call F6 NR? F7 ? F8 NR

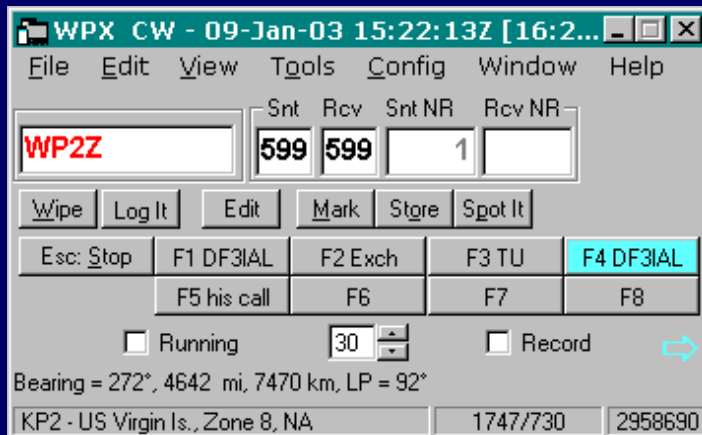
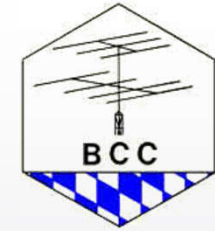
Running 30  Record

Bearing = 165°, 5327 mi, 8572 km, LP = 345°

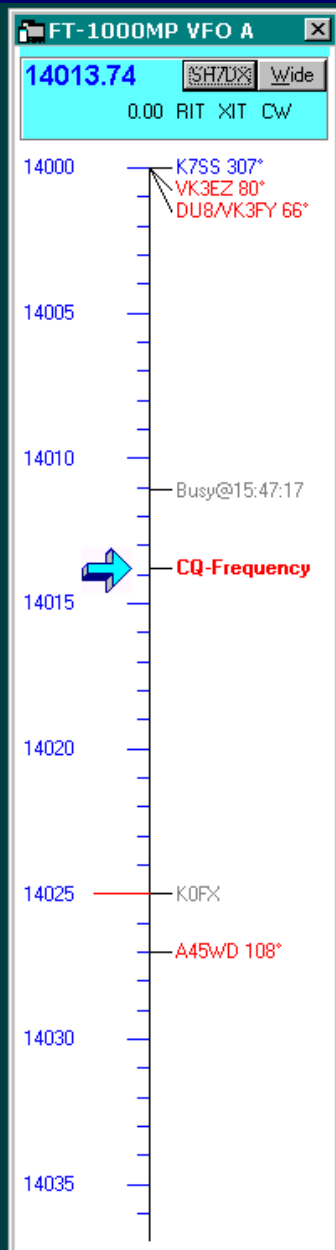
ZS - South Africa, Zone 38, AF 1749/731 2967129

- Erstes "Enter" = F1
- Zweites "Enter" = F5+F2
- Drittes "Enter" = F3 und speichern
- CQ Wiederholungsfunktion

# Entry S&P

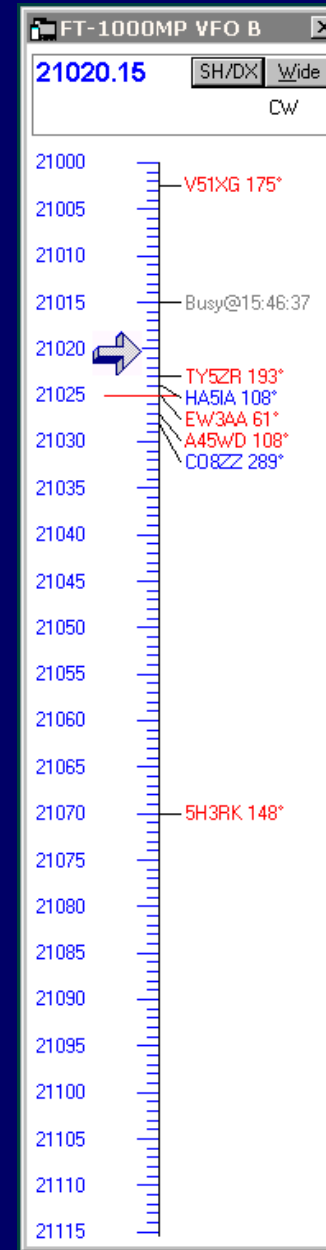


- Rechtes Radio oder VFO B aktiv
- Erstes “Enter” = F4
- Zweites “Enter” = F2
- Drittes “Enter” = speichern



## Bandmaps

- Rot : neuer Multiplier
- Blau : neuer Call
- Grau : gearbeitet
- Cluster, Netzwerk, Eigener lokaler Spot, S&P Auto, CQ, Busy
- + und - ändert die Auflösung
- Tune, Call, Leertaste, weiter Tune, Call ist im Bandmap



# Log

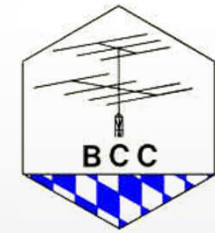


WPX CW - C:\Programme\N1MM Logger\DEMO.MDB

TS	Call	Freq	Sent	NR	Prefix	Mult	Points
05-26-02 18:41:03	OM7CA	14000.00	0	696	OM7	No	1
05-26-02 18:42:00	DL1NEO	14000.00	0	159	DL1	No	1
05-26-02 18:42:03	DM4DB	14000.00	0	135	DM4	Yes	1
05-26-02 18:43:00	OK1MKI	14000.00	0	85	OK1	No	1
05-25-02 01:29:03	SM3C	7000.00	0	61	SM3	Yes	2
05-26-02 18:44:00	SM3C	14000.00	0	977	SM3	No	1
05-26-02 07:50:00	SM3C	21000.00	0	764	SM3	No	1

- Beim Eintippen erscheinen unten die vorherigen QSOs
- Quick Edit Funktion

# Packet



```
Telnet Window - Host: dxc.ab5k.net
Packet  Telnet  Command: | AB5K | Close Port
DX de DJ3LE: 144130.0 S52LM HNY Milos! I try to catch you 1909Z
DX de KP4SQ: 14085.3 KP4SQ RTTY call cq KP4 1910Z
DX de UA0SC: 1872.0 UA0SPX z18 cq UA9 1910Z
DX de UA6LGR: 10106.7 LY2PX Willy CQ LY 1911Z
BYE  CONN TELNET DI/N SH/DX USERS WWW 10M 15M 20M 40M 80M DF3IAL
```

- TNC oder Internet
- Linke Maustaste  
> Aktives Radio/VFO
- Shift+Linke Maustaste  
> Inaktives Radio/VFO



# Available Mults

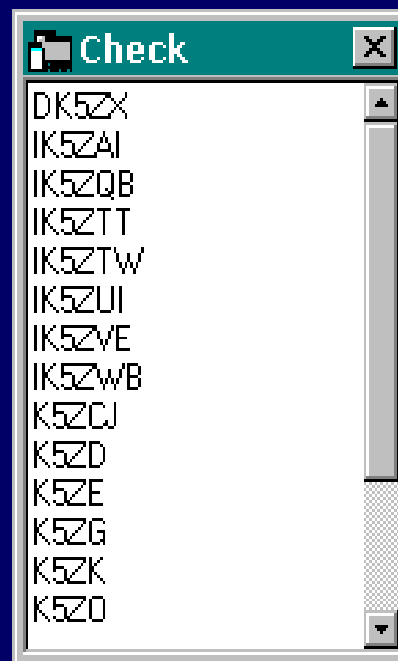
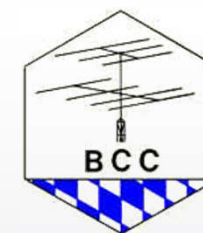
Mult's	Q's
11	160
5	80
10	40
32	20
13	15
5	10

14200.0	5W0FT
3511.0	JW0HU
28512.0	GI??
21070.0	HP1AC
21355.0	V21DM
21070.0	VO2NS
21009.9	TG9/NQAT
14007.9	3B8/G4FKH
28495.0	GD4PTV
28447.0	GI0TIC
21090.0	A45WD
21020.2	HC5AI
7008.4	6K2BTX

- Neue Stationen und neue Mults von Cluster
- Mults für aktives Radio/VFO, beide Radios/VFOs oder alle Bänder
- Bandfarben zeigen den Status von Call in Entry Fenster

# Check



- Übliche master.dta Datei
- Wildcards (?) erlaubt

# Multipliers

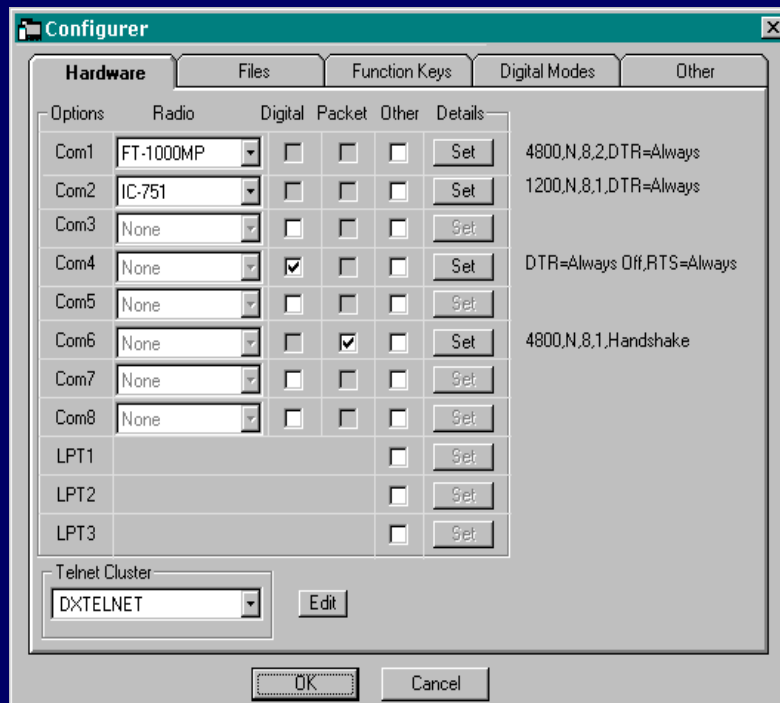


Multipliers by Band - CW																
160	80	40	30	20	17	15	12	10	All Bands							
1A	4U1I	7X	A4	CM	EI	FO/m	HA	J3	KH5K	OJ0	S2	T9	UN	VP2M	XX9	ZD8
1S	4U1U	8P	A5	CN	EK	FP	HB	J5	KH6	OK	S5	TA	UR	VP2V	XZ	ZD9
3A	4W	8Q	A6	CP	EL	FR	HB0	J6	KH7K	OM	S7	TF	V2	VP5	YA	ZF
3B6	4X	8R	A7	CT	EP	FR/g	HC	J7	KH8	ON	S9	TG	V3	VP6	YB	ZK1/m
3B8	5A	9A	A9	CT3	ER	FR/j	HC8	J8	KH9	OX	SM	TI	V4	VP8	YI	ZK1/s
3B9	5B	9G	AP	CU	ES	FR/t	HH	JA	KL	OY	SP	TI9	V5	VP8/g	YJ	ZK2
3C	5H	9H	BS7	CX	ET	FT8W	HI	JD/m	KP1	OZ	ST	TJ	V6	VP8/h	YK	ZK3
3C0	5N	9J	BV	CY0	EU	FT8X	HK	JD/o	KP2	P2	SU	TK	V7	VP8/o	YL	ZL
3D2	5R	9K	BV9P	CY9	EX	FT8Z	HK0/a	JT	KP4	P4	SV	TL	V8	VP8/s	YN	ZL7
3D2/c	5T	9L	BY	D2	EY	FW	HK0/m	JW	KP5	PA	SV/a	TN	VE	VP9	YO	ZL8
3D2/r	5U	9M2	C2	D4	EZ	FY	HL	JX	LA	PJ2	SV5	TR	VK	VQ9	YS	ZL9
3DA	5V	9M6	C3	D6	F	G	HM	JY	LU	PJ7	SV9	TT	VK0H	VR	YU	ZP
3V	5W	9N	C5	DL	FG	GD	HP	K	LX	PY	T2	TU	VK0M	VU	YV	ZS
3W	5X	9Q	C6	DU	FH	GI	HR	KG4	LY	PY0F	T30	TX0	VK9C	VU4	YV0	ZS8
3X	5Z	9U	C9	E3	FJ	GJ	HS	KH0	LZ	PY0S	T31	TY	VK9L	VU7	Z2	
3Y/b	6W	9V	CE	E4	FK	GM	HV	KH1	OA	PY0T	T32	TZ	VK9M	XE	Z3	
3Y/p	6Y	9X	CE0A	EA	FM	GU	HZ	KH2	OD	PZ	T33	UA	VK9N	XF4	ZA	
4J	7O	9Y	CE0X	EA6	FO	GW	I	KH3	OE	R1FJ	T5	UA2	VK9W	XT	ZB	
4L	7P	A2	CE0Z	EA8	FO/a	H4	IS	KH4	OH	R1MV	T7	UA9	VK9X	XU	ZC4	
4S	7Q	A3	CE9	EA9	FO/c	H40	J2	KH5	OH0	S0	T8	UK	VP2E	XW	ZD7	

285 worked of 334 possible countries.  Countries  Zones  Sections  Other  Rev Mode



# Einrichten



- 1 oder 2 Radios
- CW/PTT an COM oder LPT
- PTT Verzögerung
- Band Data und A/B an LPT
- Kein DVK aber Soundkarte für SSB
- Recording möglich
- MMTTY für RTTY

# Vernetzung



Info - DF3IAL - Exch: 599 001

Rates - 1 mult = 2.4 Q's

Last	Last	Since	Since
10	100	15:14	16:00
0	0	0	0

**ANDERS**

Band Chgs: 0

Import Goals: 0  
Goal = 250

Station	Pass	Run	Operator	Last 10	100
0	14012	<input checked="" type="checkbox"/>	ANDERS	0	0
1	28039.57	<input checked="" type="checkbox"/>	ANDY	0	0

16:06:56 - Connected to 0 (192.168.55.1)

```
DB0BQ>DH7NBO-1:DX de yl2ka: 24900.7 9J2CA 1603Z
DB0BQ>DH7NBO-1:DX de s52lm: 144144.0 DL7FF tnx Ben fb EME JT44 qso, best -1607Z
DB0BQ>DH7NBO-1:DX de iz5ekv: 14197.0 EA9HA 1612Z
```

- Max 15 PCs
- IP, IPX, NETBEUI
- S&P Spots werden verteilt
- Nichts für müde PC's

FT-1000MP VFO A

14096.52

0.00 RIT XIT RTTY

Digital Interface RTTY Mode - Other

Setup Mode Open 2nd Rtty Window Help

J21)

CQ CQ DE G4CDZ G4CDZ G4CDZ PSE K

VJFARIFZMJMN

CQ CQ DE G4CDZ G4CDZ G4CDZ PSE K

SEERC

CQ CQ DE G4CDZ G4CDZ G4CDZ PSE K

JLDV

CQ CQ DE G4CDZ G4CDZ G4CDZ PSE K

SKNIT

ABORT

CQ

G4CDZ  
DH0GSU  
N9SF  
WA1EHK  
DL6JZ

Clx RX TX RX NOTCH Grab

1 2 3 4 5 D IIR 2125 170 AFC NET BPF REV SOL ATC

Multipliers by Band


160	80	40	30	20	17	15	12	10	All Bands							
1A	4U1	7X	A4	CM	EI	FO/m	HA	J3	KH5K	OJ0	S2	T9	UN	VP2M	XX9	ZD8
1S	4U1U	8P	A5	CN	EK	FP	HB	J5	KH6	OK	S5	TA	UR	VP2V	XZ	ZD9
3A	4W	8Q	A6	CP	EL	FR	H80	J6	KH7K	OM	S7	TF	V2	VP5	YA	ZF
3B6	4X	8R	A7	CT	EP	FR/g	HC	J7	KH8	ON	S9	T6	V3	VP6	YB	ZK1/h
3B8	5A	9A	A8	CT3	ER	FR/j	HC8	J8	KH8	OX	SM	TI	V4	VP8	YI	ZK1/s
3B9	5B	9G	AP	CU	ES	FR/r	HH	JA	KL	OY	SP	TI9	V5	VP8/g	YJ	ZK2
3C	5H	9H	BS7	CX	ET	FT8W	HI	JD/m	KP1	OZ	ST	TJ	V6	VP8/h	YK	ZK3
3C0	5N	9J	BV	CY0	EU	FT8X	HK	JD/c	KP2	P2	SU	TK	V7	VP8/o	YL	ZL
3D2	5R	9K	BV9P	CY9	EX	FT8Z	HK0/a	JT	KP4	P4	SV	TL	V8	VP8/s	YN	ZL7
3D2/c	5T	9L	BY	D2	EY	FW	HK0/m	JW	KP5	PA	SV/a	TN	VE	VP9	YO	ZL8
3D2/r	5U	9M2	C2	D4	EZ	FY	HL	JX	LA	PJ2	SV5	TR	VK	VP9	YS	ZL9
3DA	5V	9M6	C3	D6	F	G	HM	JY	LU	PJ7	SV9	TT	VK0H	VR	YU	ZP
3V	5W	9N	C5	DL	FG	GD	HP	K	LX	PY	T2	TU	VK0M	VU	YV	ZS
3W	5X	9Q	C6	DU	FH	GI	HR	KG4	LY	PY0F	T30	TX0	VK9C	VU4	YV0	ZS8
3X	5Z	9U	C9	E3	FJ	GJ	HS	KH0	LZ	PY0S	T31	TY	VK9L	VU7	Z2	
3Y/b	6W	9V	CE	E4	FK	GM	HV	KH1	OA	PY0T	T32	TZ	VK9M	XE	Z3	
3Y/p	6Y	9X	CE0A	EA	FM	GU	HZ	KH2	OD	PZ	T33	UA	VK9N	XF4	ZA	
4J	7O	9Y	CE0X	EA8	FO	GW	I	KH3	OE	R1FJ	T5	UA2	VK9W	XT	ZB	
4L	7P	A2	CE0Z	EA8	FO/a	H4	IS	KH4	OH	R1MV	T7	UA9	VK9X	XU	ZC4	
4S	7Q	A3	CE9	EA8	FO/c	H40	J2	KH5	OH0	S0	T8	UK	VP2E	XW	ZD7	

0 worked of 334 possible countries. Countries Zones Sections Other

FT-1000MP VFO B

14083.12

RTTY



MW2I 289° NEW

RK3MWI 59°

G4CDZ 291°

MW2I 289° NI

RK3MWI 59°

G4CDZ 291°

RX1/RX3AJL 59°

ARRL RTTY Roundup - 05-Jan-03 13:59:...

Snt Rcv Exch

MW2I 599 599

Wipe Log It Edit Mark Store Spot It

Esc: Stop de DF3IAL exchange

TU RY QSO

Running Record

Bearing = 289°, 646 mi, 1040 km, LP = 109°

GW - Wales, Zone 14, EU 0/0 0

Check

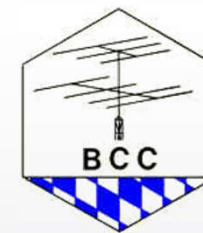
MW2I

Score Summary

Band	Q	Mul	Total
MW2I			

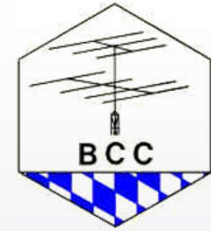
## Contests CW/SSB

- All Asian DX contest CW/SSB
- ARRL 10 Meter contest
- ARRL Field Day contest
- ARRL International DX contest CW/SSB
- ARRL November Sweep Stakes CW/SSB
- CQ World-Wide 160 Meter DX Contest
- CQ World Wide WPX contest CW/SSB
- CQ World Wide DX contest CW/SSB
- IARU Radiosporting contest
- North American QSO Parties (NAQP) CW/SSB
- PACC contest



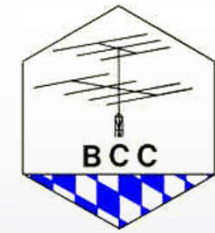
# Contests CW/SSB

- Asia Pacific Sprint
- EU Sprint CW/SSB
- Stew Perry Top Band
- REF CW/SSB
- UBA CW/SSB
- WAG
  
- DX (General mode)



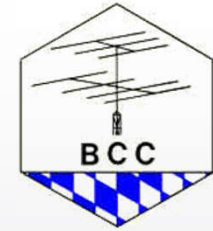
# Contests RTTY/PSK31

- ARRL RTTY Roundup
- BARTG RTTY Sprint contest
- CQ World Wide DX contest RTTY
- CQ World Wide WPX contest RTTY
- TARA PSK Rumble
- JARTS RTTY
- NAQP RTTY



# Log Export/Import

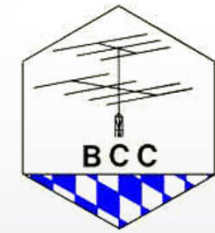
- Microsoft Access Datenbank
- Keine neue Datei für jeden Wettbewerb
- ADIF
- Cabrillo (Export)
- Kein QSL-Druck





## Weitere Informationen

- Web page: [www.N1MM.com](http://www.N1MM.com)
- Email: [tom@n1mm.com](mailto:tom@n1mm.com)  
[tfwagner@snet.net](mailto:tfwagner@snet.net)
- Yahoo: <http://groups.yahoo.com/group/N1MMLogger>
- DF3IAL: [df3ial@t-online.de](mailto:df3ial@t-online.de)





## Kostenlos und gut !?

- Kostenlos: ja
- Gut: ja, für Single Radio, dual VFO

