CC User (aka VE7CC)

By Gary Swartout K7GS & Mel Ming N7GCO

Features:

- ✓ **Free, Stand Alone spotting program** created by one man, VE7CC.
- ✓ **User support group -** https://groups.io/g/CC-User
- ✓ **DX and/or Stateside** very selective
- ✓ **All Bands** 2 meter through 160 meter, all or any
- ✓ **All Modes** Skimmers if you want (currently CW and RTTY). They have *"#"* tacked on the END of the skimmers callsign
- ✓ **You Select the Spots you want --** by spotter's country or state and/or by the DX country and/or band
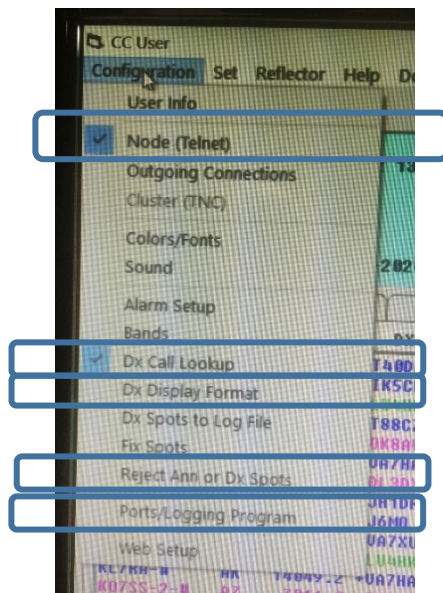
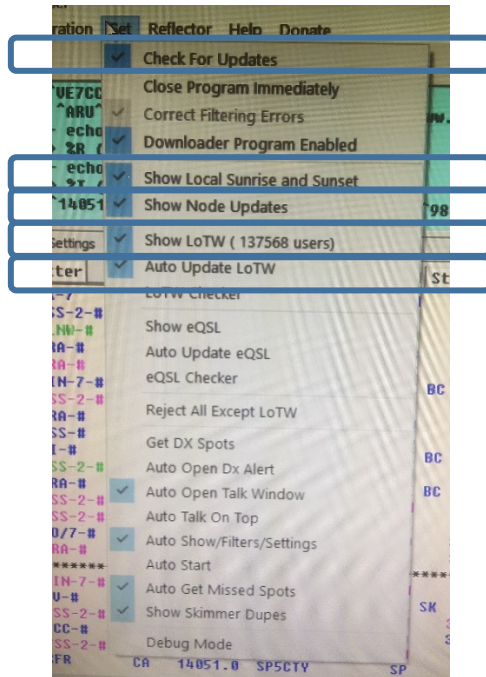## Screen Shots:

1. Configuration User Screen:

2. Configuration Menu

3. Set Menu

4. Settings Screen:

Configuration Set Reflector Help Donate

WS7I-1

```
   -> %T (WS7I-1)
CC11^14008.1^VA7XU^20-Jan-2020^2153Z^CW 23 dB 19 WPM CQ^N00I-#^1^^RBN^2^3^6^3^BC^CA
CC11^21013.9^LU4HK^20-Jan-2020^2153Z^CW  6 dB 24 WPM CQ^K07SS-2-#^1^^RBN^14^13^6^3^
CC11^14049.2^VA7HA^20-Jan-2020^2153Z^CW 16 dB 13 WPM CQ^KL7RA-#^1^^RBN^2^3^1^1^BC^A
   <- echo %T (WS7I-1)
   -> %T (WS7I-1)
   <- echo %R (WS7I-1)
```

Settings	Country	State	Bands	Users	DX

Settings @ WS7I-1

- ☑ DX Spots   ☑ 2 dig   ☑ Announce
- ☐ BoB=Ann   ☑ BoB   ☑ Wx Ann
- ☐ State   ☐ CQ   ☑ Talk
- ☐ Grid   ☐ ITU   ☐ Bell
- ☑ WWV   ☐ WCY   ☐ Logins
- ☐ Beacon   ☐ Self

☑ Skimmer   ☑ SkOwn   ☑ Sk Dupe

Ask Cluster   Tell Cluster

Display Options
- ⦿ All
- ○ Primary
- ○ DX Spots
- ○ Off

Help

Updater

Program Version	3.024
LoTW	137568
eQSL	
States + Provinces	65

Download Ver. 3 | Help | Ver 2 | Check

Technical Stuff

Skimmer Dupes

User Information @ WS7I-1

Name   Grid
gary   DN17GQ

QTH
Spokane WA

Usual DX Cluster
WS7I-1

Location
47 40 N 117 29 W

Ask Cluster

Keywords @ WS7I-1

Current Cluster Filter
OFF

Keyword List
[▼]

Add   Remove

○ Pass   ○ Reject
⦿ Off

Ask | Tell | Help

5. Country Screen:

6. State Screen:

7. Bands

Configuration Set Reflector Help Donate

WS7I-1

```
    <- echo %T (WS7I-1)
    -> %T (WS7I-1)
CC11^7011.0^ON4ATW^20-Jan-2020^2200Z^CW 10 dB 27 WPM CQ^KO7SS-2-#^1^^RBN^27^14^6^3^^AZ^ON^K^JO20^    ^
sh/filter DOC (WS7I-1)
DX Spot Orig Cty Filter/All set to Pass: K,KL,VE (WS7I-1)
K7GS-1 de WS7I-1 20-Jan-2020 2200Z    CCC > (WS7I-1)
CC11^7028^DL3DXX^20-Jan-2020^2201Z^CW 10 dB 29 WPM CQ^KO7SS-2-#^1^^RBN^28^14^6^3^^AZ^DL^K^JO61^    ^24
```

| Settings | Country | State | **Bands/Key** | Users | DX = 2 | WWV |

Live Spots

	Low	High		Low	High		Low	High
☐	1800	1850				☐	1850	2000
☐	3500	3580	☐	3580	3600	☐	3600	4000
☐	7000	7040	☐	7040	7100	☐	7100	7300
☐	10100	10130	☐	10130	10150			
☐	14000	14070	☐	14070	14150	☐	14150	14350
☐	18068	18100	☐	18100	18110	☐	18110	18168
☐	21000	21070	☐	21070	21200	☐	21200	21450
☐	24890	24920	☐	24920	24930	☐	24930	24990
☐	28000	28070	☐	28070	28300	☐	28300	29700
☐	50000	50080	☐	50080	50500	☐	50500	54000
☑	144000	144100	☑	144100	144500	☑	144500	148000

○ Pass ◉ Reject   Default   Ask Cluster   Tell Cluster   Help

Time Filter

Band
☐ 160
☐ 80
☐ 40
☐ 30
☐ 20
☐ 17
☐ 15
☐ 12
☐ 10
☐ 6
☐ 2

Ask
Tell

Missed Spots
☑ Enabled
Spots 100

Filter by
☑ My Filter
☐ Call

Time 0.09
Rx 43

Test

Keywords
Current Cluster Filter
OFF

Keyword List
[▼]

Add   Remove

Filter Status
○ Pass
○ Reject
◉ Off

Ask Tell Help

8. Login Screen

Configuration Set Reflector Help Donate

WS7I-1

Sunrise Sunset Sunset 20 Jan
15:29Z 00:31Z -2:27 22:04:26

```
K7GS-1 de WS7I-1 20-Jan-2020 2200Z    CCC > (WS7I-1)
CC11^7028^DL3DXX^20-Jan-2020^2201Z^CW 10 dB 29 WPM CQ^KO7SS-#^1^^RBN^28^14^6^3^^DL^K^JO61^    ^24^51.5/-13^ (WS7I-1)
CC11^14010.1^JH1DRF^20-Jan-2020^2202Z^CW 11 dB 22 WPM CQ^K2P0/7-#^1^^RBN^45^25^6^3^^OR^JA^K^^CN85^24^35.68/-139.68^ (WS7I-1)
    <- echo %T (WS7I-1)
    -> %T (WS7I-1)
CC11^7024.4^HL2BN^20-Jan-2020^2203Z^CW  5 dB 24 WPM CQ^KL7RA-#^1^^RBN^44^25^1^1^^AK^HL^KL^^BP40^24^36.23/-127.9^ (WS7I-1)
CC11^7011^ON4ATW^20-Jan-2020^2203Z^CW  8 dB 28 WPM CQ^N6WIN-7-#^1^^RBN^27^14^6^3^^CA^ON^K^JO20^DM14^24^50.5/-5^ (WS7I-1)
```

| Settings | Country | State | Bands/Key | Users | DX = 1 | WWV | Login | Ann = 2 | Wx Plus | Mail |

```
WS7I Cluster Spokane, WA

set/skimmer to enable skimmers both cw and RTTY; set/noskimmer to disable

FT4 or FT8 spots are off by default; SET/FT4 or SET/FT8 to turn them on.

SET/NOFT4 or UNSET/FT4 and SET/NOFT8 or UNSET/FT8 will turn them off.

SET/NOCW will turn CW Skimmer spots off.

Running CC Cluster software version 3.118


login:
 K7GS-1

Hello gary.

Cluster: 17 nodes  5 Locals  1215 Total users   Uptime  21 days  3:22
```

9. User Screen:

Configuration Set Reflector Help Donate

WS7I-1

```
<- echo %T (WS7I-1)
-> %T (WS7I-1)
CC11^7011.0^ON4ATW^20-Jan-2020^2200Z^CW 10 dB 27 WPM CQ^KO7SS-2-#^1^^RBN^27^14
sh/filter DOC (WS7I-1)
DX Spot Orig Cty Filter/All set to Pass: K,KL,VE (WS7I-1)
K7GS-1 de WS7I-1 20-Jan-2020 2200Z   CCC > (WS7I-1)
CC11^7028^DL3DXX^20-Jan-2020^2201Z^CW 10 dB 29 WPM CQ^KO7SS-2-#^1^^RBN^28^14^
```

| Settings | Country | State | Bands/Key | **Users** | D |

Local Users = 5   Peak = 5

Talk | Sysop | Skimmers | Nodes | All Users | Locals

Node	Connected Stations			
WS7I-1	AJ8B	K7GS-1	K7HRT-3	KL4C	KZ1W

10. DX Screen: (all selections made by you)

Configuration Set Reflector Help Donate

WS7I-1

Sunrise Sunset   Sunset 20 Jan
15:29Z 00:31Z   -2:28   22:03:22

```
-> %T (WS7I-1)
CC11^7011.0^ON4ATW^20-Jan-2020^2200Z^CW 10 dB 27 WPM CQ^KO7SS-2-#^1^^RBN^27^14^6^3^^AZ^ON^K^J020^     ^24^50.7/-4.85^ (WS7I-1)
sh/Filter DOC (WS7I-1)
DX Spot Orig Cty Filter/All set to Pass: K,KL,VE (WS7I-1)
K7GS-1 de WS7I-1 20-Jan-2020 2200Z   CCC > (WS7I-1)
CC11^7028^DL3DXX^20-Jan-2020^2201Z^CW 10 dB 29 WPM CQ^KO7SS-2-#^1^^RBN^28^14^6^3^^AZ^DL^K^J061^    ^24^51.5/-13^ (WS7I-1)
CC11^14010.1^JH1DRF^20-Jan-2020^2202Z^CW 11 dB 22 WPM CQ^K2PO/7-#^1^^RBN^45^25^6^3^^OR^JA^K^^CN85^24^35.68/-139.68^ (WS7I-1)
```

| Settings | Country | State | Bands/Key | Users | **DX** | WWV | Login | Ann = 2 | Wx Plus | Mail |

Spotter	St	Freq	DX	DxQTH	St	Deg	mile	Time	Day		Lock	☑ DX	☑ Skimmer
VE7CC-#	BC	10107.0	IK5ZWU		I	35	5403	2118Z	20 ITALY: CW 11 dB 19 WPM CQ				
VA7LNV-#	UT	14024.8	+VE3FAL	+VE	ON	77	1308	2119Z	20 CANADA: CW 7 dB 16 WPM CQ				
N6WIN-7-#	CA	7004.9	+4O4T	+4O		31	5673	2119Z	20 MONTENEGRO: CW 7 dB 30 WPM CQ				
KL7RA-#	AK	7026.1	+JH1DRF	+JA		304	4974	2121Z	20 JAPAN: CW 9 dB 22 WPM CQ				
KH3T-1-#	AZ	1816.0	IG9/S57DX	IG9		39	5910	2122Z	20 AFRICAN ITALY (WAE Country): CW 44 dB 35 WPM CQ				
N6WIN-7-#	CA	7002.7	+4O4T	+4O		31	5673	2124Z	20 MONTENEGRO: CW 5 dB 29 WPM CQ				
KO7SS-2-#	AZ	14090.2	IK5CKL		I	35	5393	2124Z	20 ITALY: RTTY 11 dB CQ				
K6YK-7	CA	14010.0	T40DXXE	CM		118	2751	2129Z	20 CUBA: I don't hear nothing				
KO7SS-2-#	AZ	14090.2	IK5CKL		I	35	5393	2138Z	20 ITALY: RTTY 10 dB CQ				
VA7LNV-#	UT	21013.9	+LU4HK	+LU		137	6365	2138Z	20 ARGENTINA: CW 6 dB 24 WPM CQ				
KL7RA-#	AK	14015.2	T88CZ	T8		288	6658	2139Z	20 PALAU: CW 2 dB 22 WPM CQ				
KL7RA-#	AK	7013.6	+OK8AV	+OK		30	5151	2143Z	20 CZECH REPUBLIC: CW 9 dB 23 WPM CQ				
N6WIN-7-#	CA	14050.0	+VA7HA	+VE	BC	331	308	2146Z	20 CANADA: CW 32 dB 13 WPM CQ				
KO7SS-2-#	AZ	7028.0	+DL3DXX	+DL		30	4987	2146Z	20 FED. REP. OF GERMANY: CW 13 dB 28 WPM CQ				
KL7RA-#	AK	14010.3	+JH1DRF	+JA		304	4974	2148Z	20 JAPAN: CW 3 dB 22 WPM CQ				
KO7SS-#	AZ	14019.0	J6MQ	J6		106	3969	2150Z	20 ST. LUCIA: CW 18 dB 12 WPM CQ				
N0OI-#	CA	14008.1	VA7XU	VE	BC	326	414	2153Z	20 CANADA: CW 23 dB 19 WPM CQ				
KO7SS-2-#	AZ	21013.9	+LU4HK	+LU		137	6365	2153Z	20 ARGENTINA: CW 6 dB 24 WPM CQ				
KL7RA-#	AK	14049.2	+VA7HA	+VE	BC	331	308	2153Z	20 CANADA: CW 16 dB 13 WPM CQ				
*********													
KO7SS-2-#	AZ	7011.0	+ON4ATW	+ON		35	4830	2200Z	20 BELGIUM: CW 10 dB 27 WPM CQ				
KO7SS-2-#	AZ	7028.0	+DL3DXX	+DL		30	4987	2201Z	20 FED. REP. OF GERMANY: CW 10 dB 29 WPM CQ				
K2PO/7-#	OR	14010.1	+JH1DRF	+JA		304	4974	2202Z	20 JAPAN: CW 11 dB 22 WPM CQ				

Band list:
ALL		122
160	2	2
80	2	2
40	25	25
30	9	9
20	77	77
17	4	4
15	2	2
12		
10	1	1
6		
2		
Alarm		

GMF: Quiet
SFI-71 A-3 K=0

Log | Alarm | Clear Sound | Ann | Spot | Clear ALL | Get ALL

- ✓ Spotter and his state
- ✓ Frequency of the spot
- ✓ Spot's call
- ✓ QTH
- ✓ Bearing
- ✓ Distance
- ✓ Time
- ✓ Day
- ✓ Spot's country
- ✓ Comments

11. WWV Screen
WWV reports, text, Grey Line

Configuration Set Reflector Help Donate

							Sunrise	Sunset	Sunset	20 Jan	
	WS7I-1						15:29Z	00:31Z	-2:28	22:03:51	

```
DX Spot Orig Cty Filter/All set to Pass: K,KL,VE (WS7I-1)
K7GS-1 de WS7I-1 20-Jan-2020 2200Z   CCC > (WS7I-1)
CC11^7028^DL3DXX^20-Jan-2020^2201Z^CW 10 dB 29 WPM CQ^KO7SS-2-#^1^^RBN^28^14^6^3^^AZ^DL^K^JO61^   ^24^51.5/-13^ (WS7I-1)
CC11^14010.1^JH1DRF^20-Jan-2020^2202Z^CW 11 dB 22 WPM CQ^K2PO/7-#^1^^RBN^45^25^6^3^^OR^JA^K^^CN85^24^35.68/-139.68^ (WS7I-1)
   <- echo %T (WS7I-1)
   -> %T (WS7I-1)
CC11^7024.4^HL2BW^20-Jan-2020^2203Z^CW  5 dB 24 WPM CQ^KL7RA-#^1^^RBN^44^25^1^1^^AK^HL^KL^BP40^24^36.23/-127.9^ (WS7I-1)
```

Settings	Country	State	Bands/Key	Users	DX	**WWV**	Login	Ann = 2	Wx Plus	Mail

▲ Date	Hour	SFI	A	K	Forecast		
20-Jan-2020	21	71	3	0	No Storms -> No Storms	<W0MU>	
20-Jan-2020	18	72	3	0	No Storms -> No Storms	<W0MU>	
20-Jan-2020	15	72	3	0	No Storms -> No Storms	<VA6AAA>	
20-Jan-2020	12	72	3	0	No Storms -> No Storms	<VA6AAA>	
20-Jan-2020	9	72	3	0	No Storms -> No Storms	<VE7CC>	
20-Jan-2020	6	72	3	1	No Storms -> No Storms	<W0MU>	

Sunrise
15:29Z
Sunset
00:31Z

Get Sun
5 Spots
25 Spots
100 Spots
ClearWWV
WWV Text
WWV Help
Grey Line

● WWV
○ WCY

🛋 CC User   — ▢ ✕

Configuration Set Reflector Help Donate

				Sunrise	Sunset	Sunrise	10 Nov	
WS7I-1				14:48Z	00:19Z	+4:32	19:20:41	

```
CC11^14032.1^EA8DIG^10-Nov-2019^1917^CW 11 dB 24 WPM CQ^N7TR-#^^RBN^SK1MMR^36^33^6^3^^NU^EA8^K^^DM09^28.32/15.85^ (WS7I-1)
   <- echo %T (WS7I-1)
   -> %T (WS7I-1)
CC11^14098.6^YV5AAX^10-Nov-2019^1917^RTTY   19 dB CQ^N7TR-#^^RBN^SK1MMR^12^09^6^3^^NU^YV^K^FK60^DM09^10.5/67^ (WS7I-1)
CC11^21103.0^2X2V^10-Nov-2019^1917^RTTY  10 dB CQ^N7TR-#^^RBN^SK1MMR^15^11^6^3^^NU^PY^K^^DM09^-10/53^ (WS7I-1)
CC11^14090.9^PT2AW^10-Nov-2019^1919^RTTY  13 dB CQ^VE7CC-#^^RBN^SK1MMR^13^11^2^3^^BC^PY^VE^GH64^CN89^-15.5/47^ (WS7I-1)
CC11^21110.7^PP1CZ^10-Nov-2019^1920^RTTY  11 dB CQ^N7TR-#^^RBN^SK1MMR^15^11^6^3^^NU^PY^K^GG99^DM09^-20.5/41^ (WS7I-1)
CC11^21102.1^PY2UZ^10-Nov-2019^1920^RTTY  11 dB CQ^N7TR-#^^RBN^SK1MMR^15^11^6^3^^NU^PY^K^GG58^DM09^-21.5/49^ (WS7I-1)
```

Settings	Country	State	Bands	Users	DX = 1	**WWV**	Login	Ann = 35	Wx Plus	Mail

Date	Hour	SFI	A	K	Forecast		

This map will automatically refresh every 5 minutes.

The current time is: 19:18 UTC on Sunday, November 10, 2019

Sunrise
14:48Z
Sunset
00:19Z

Get Sun
5 Spots
25 Spots
100 Spots
ClearWWV
WWV Text
WWV Help
Grey Line

● WWV
○ WCY

12. Announcements Screen

```
CC User N7GCO @ VE7CC-1 (CC Cluster)                                    —    □    ×
Configuration  Set  Reflector  Help  Donate
                        ***Connected to: VE7CC-1        Disconnect        17 Jan
                                                                        00:28:57  □

15-Jan 0727Z ALL     IK7JTF:     ALL ON REMOTE RX AT THIS TIME
15-Jan 1230Z ALL     IW1QLH:     CLUSTER: cluster.hrdlog.net on port 7300
15-Jan 1600Z ALL     I2UUA:      sry prova
15-Jan 1601Z ALL     IK1RGK:     prova prova
16-Jan 0042Z ALL     VK3UY:      QSL from OC-111 received today  YJ0RRC Tks Serge
16-Jan 1800Z ALL     SV5BYR:     SV5FRI-1 DXCluster: telnet dxc.sv5fri.eu 7300
16-Jan 2333Z ALL     F6ARC:      I would say 404T, not VO4T  ;-)
N7GCO de VE7CC-1 17-Jan-2020 0028Z    CCC >

 Settings    Country    State    Bands/Key   Users     DX     WWV    Login Msg    Ann     Wx Plus        Mail

14-Jan 0659Z ALL     IK5ZUK:     DxSpider Node IK5ZUK-6 Telnet ik5zuk.ddns.net port 8000 14-Jan-2020 0700Z    ^    Get Ann
14-Jan 0759Z ALL     IK5ZUK:     DxSpider Node IK5ZUK-6 Telnet ik5zuk.ddns.net port 8000 14-Jan-2020 0800Z
14-Jan 0859Z ALL     IK5ZUK:     DxSpider Node IK5ZUK-6 Telnet ik5zuk.ddns.net port 8000 14-Jan-2020 0900Z        Get MyAnn
14-Jan 0959Z ALL     IK5ZUK:     DxSpider Node IK5ZUK-6 Telnet ik5zuk.ddns.net port 8000 14-Jan-2020 1000Z
14-Jan 1200Z ALL     SR2PUT:     DXSpider Cluster + RBN/Skimmer: http://klub.sp2put.pl / telnet klub.sp2put.pl 7300   Announce
14-Jan 1324Z ALL     I2YBC:      telefonato ad ari x una info ...chiusa la segreteria solo di mattina  78 euro schifo
14-Jan 1659Z ALL     ON0LLU:     Dxcluster: ON0LLU-5  Telnet: on0llu.ddns.net:7300                                 Clear
14-Jan 1733Z ALL     SM5LNE:     To ON3MK : Should be K3Y/1  73 de Jan
14-Jan 1906Z ALL     I2YBC:      molti si collegano al cluster ..per farsi pubblicita'? e poi non ci sono.
14-Jan 2119Z ALL     R3THJ:      ????? ????? ????? ?? 80 ?.
15-Jan 0727Z ALL     IK7JTF:     ALL ON REMOTE RX AT THIS TIME
15-Jan 1230Z ALL     IW1QLH:     CLUSTER: cluster.hrdlog.net on port 7300
15-Jan 1600Z ALL     I2UUA:      sry prova
15-Jan 1601Z ALL     IK1RGK:     prova prova
16-Jan 0042Z ALL     VK3UY:      QSL from OC-111 received today  YJ0RRC Tks Serge
16-Jan 1800Z ALL     SV5BYR:     SV5FRI-1 DXCluster: telnet dxc.sv5fri.eu 7300
16-Jan 2333Z ALL     F6ARC:      I would say 404T, not VO4T  ;-)                                              v
 <                                                                                                      >
```
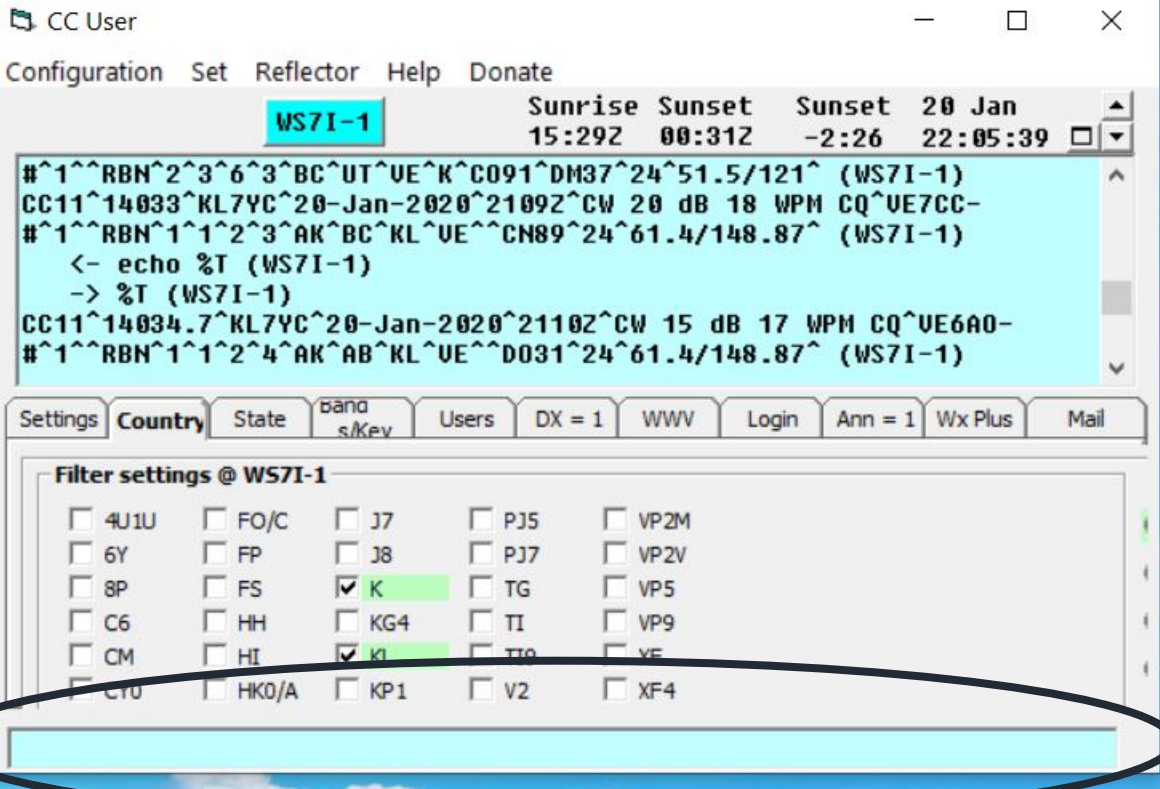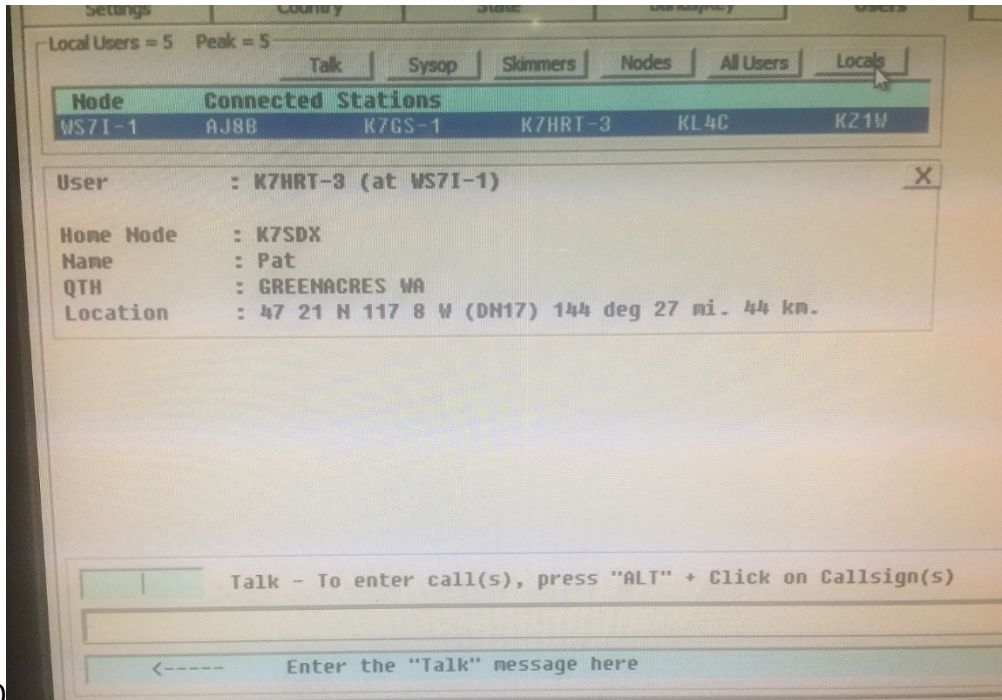
13. Mail (between users)

OTHER FEATURES:

1. Command Bar – Commands ie. "Show/dx P5, DX 14200 P5AA up 15,...." (See list of commands in Appendix)

2. Chat/Talk

O

3. My sun rise/set

4. QRZ pages of any callsign. Just click.

5. LOTW Participants (Shown with + sign ahead of spot's callsign)

6. Logging Program Interface with most contest and logging programs

7. Telnet or RF Connection (Thousands of nodes to connect with worldwide. VHF/UHF Packet too)

8. Setup Customized by you on each node. Varied filtering on each for different purposes.

9. FT4, FT8m PSK Spots on some Cluster Nodes – Can be filtered in/out with keyword filter

Program Download and Installation Instructions:
"www.BCdxc.org/ve7cc"
Free but donations gladly accepted

LOCAL NODES
WS7I-1   WS7I.ewarg.org Port 7300

A Couple of Command Shared by Jay (WS7I)

FOR FT8/FT4 (These are turned off by default)
To turn on FT8 or FT4 – On the command line type SET/FT4 or SET/FT8
To turn off FT8 or FT4 – On the command line type Set/NOFT4 or SET/NOFT8 or UNSET/FT4 or UNSET/FT8

FOR CW
To turn on CW Skimmer Spots – SET/CW
To turn off CW Skimmer Spots – SET/NOCW

Example: You are wanting to see spots for a State you need. It is a three step process.

Step #1 On the Country Tab: (You are setting where the Spot is coming from)
- Set you want only spots from US (K) and Canada (VE)
- Set NA (North America)
- Set Filter type – Spotter City
- Set Bands you want
- Check Tell Cluster

Step 2 Also on the Country Tab
- Set you want only spots from US
- Set NA (North America)
- Set Filter type – DX Country
- Set Bands you want
- Check Tell Cluster

Step #3 On the STATE tab
- Set you want only spots for the States you are looking for
- Set Filter type – DX State
- Set Bands you want
- Check Tell Cluster

CC Cluster Commands

Announce	**Send an announcement to local USERs. (AN <Text Message>)**
ANnounce/Full	**Send an announcement to all nodes and USERs. (AN/F <Text Message>)**
BYE	**Disconnect from the node. (BYE) or (B)**
DX	**Send a DX spot. (DX <Callsign> <Frequency> or DX <Frequency> <Callsign>)**
DXTest	**Returns to USER only. (DXT P5NOW 14006.06) Good for testing RES 1 & RES 2**
DIR	**Shows mail messages on the node**
DIR/BULLETIN	**Shows mail messages to ALL, BULLETIN and anything not to a call**
DIR/NEW	**Shows only mail messages you haven't seen since your last DIR**
DIR/OWN	**Shows only mail messages to you including messages to ALL & ones you sent**
DIR/SUBJECT	**Shows mail messages with subject you enter. (DIR/SUBJECT ARL)**
DELete	**Delete mail messages. (DEL (Msg #) (DEL 1-99) Deletes your messages from 1 to 99**
Kill	**Delete mail messages. (K (Msg #) (K 1-99) Deletes your messages from 1 to 99**
List	**Shows mail messages on the node**
List/NEW	**Shows only mail messages you haven't seen since your last DIR or L**
List/OWN	**Shows only mail messages to you including messages to ALL & ones you sent**
QUIT	**Disconnect from the node**
READ	**Read cluster mail. (READ <Message #>) See Mail Send/Receive below**
REply	**REply without a number following replies to the last mail message you read. REply <#> replies to the message with that number given. REply/DELete replies to message and delets it. REply/DELete/RR replies to message, deletes message and gets a return receipt. REply/RR replies to message and gets a return receipt.**
SEND	**(SEND <Callsign>) Sends mail to that callsign. SEND <LOCAL> to just send a message to local node USERs. SEND <ALL>, SEND <FORSALE> and SEND <DXNEWS> will be passed to all nodes for all USERs.**
SET/ANN	**Turn on announcements**
SET/BEACON	**Turn on beacon spots. These are spots ending in "/B" or "BCN"**
SET/BEEP	**Turn on a beep for DX and Announcement spots**
SET/BOB	**Turn on bottom of band DX spots**
SET/DX	**Turn on DX spot announcements**
SET/DXCQ	**Turn on CQ Zone in DX info for DX spots**
SET/DXITU	**Turn on ITU Zone in DX info for DX spots**
SET/DXS	**Turn on US state/province or country in DX info for DX spots**
SET/USSTATE	**Turn on US state or Canadian province spotter in DX info for DX spots**

SET/FILTER	See Band & Mode Filtering Below
SET/GRID	Turns on DX Grid, toggles CQ Zone, ITU Zone, & US State to off
SET/HOME	Tell cluster your home node. (SET/HOME <Node Call>) If you normally connect to K8SMC then it would be (SET/HOME K8SMC)
SET/LOCATION	Set your location (lat/lon) of your station. (SET/LOCATION 42 17 N 84 21 W)

SET/LOGIN	Tells cluster to send USER connects and disconnects.
SET/NAME	Set your name (SET/NAME <First Name>)
SET/NOANN	Turn off announcements.
SET/NOBEACON	Turn off beacon spots. These are spots ending in "/B" or "BCN"
SET/NOBEEP	Turn off a beep for DX and Announcement spots .
SET/NOBOB	Turn off bottom of band DX spots.
SET/NOCQ	Turn off CQ Zone in spot announcements.
SET/NODX	Turn off DX spot announcements.
SET/NODXCQ	Turn off CQ Zone in DX info for DX spots
SET/NODXITU	Turn off ITU Zone in DX info for DX spots
SET/NODXS	Turn off US state/province or country in DX info for DX spots
SET/NOUSSTATE	Turn off US state or Canadian province spotter in DX info for DX spots
SET/NOGRID	Turn off DX Grids in spot announcements
SET/NOITU	Turn off ITU Zone in spot announcements
SET/NOLOGIN	Stops cluster from sending USER connects and disconnects
SET/NOOWN	Turn off skimmer spots for your own call
SET/NOSELF	Turn off self spots by other users
SET/NOSKIMMER	Turn off Skimmer spots
SET/NOTALK	Turn off the display of talk messages
SET/NOWCY	Turn off the display of WCY spots
SET/NOWWV	Turn off the display of WWV spots
SET/NOWX	Turn off the display of weather announcements
SET/OWN	Turn on Skimmer spots for own call
SET/NOLOGIN	Stops cluster from sending USER connects and disconnects
SET/QRA	Input your Grid Square. (SET/QRA EN72)

SET/QTH	Set your city and state. (SET/QTH <City, State>) DX <City, Country>
SET/RES 1	Tells CC-Cluster to give you 1 decimal point rounding in DX spots
SET/RES 2	Tells CC-Cluster to give you 2 decimal point rounding in DX spots
SET/SELF	Turn on self spots by other users
SET/SKIMMER	Turn on Skimmer spots
SET/TALK	Turn on the display of talk messages
SET/USSTATE	Turns on US State, toggles CQ Zone, DX Grid, & ITU Zone to off
SET/WCY	Turn on the display of WCY spots
SET/WIDTH	Sets the line width for DX spots, normally this has been 80 characters. Depending on your logging program you can use anything between 45 to 130 characters, SET/WIDTH XX where XX is the number of charac-ters
SET/WWV	Turn on the display of WWV spots

SET/WX	Turn on the display of weather announcements
SHow/CL	Node Info and CCC Uptime See SH/VERSION
SHow/CONF	Shows nodes and callsigns of USERs, only nodes called LOCAL by Sysop.
SHow/DX	Shows last 30 spots
SHow/DX <Call>	Shows last 30 spots for that call
SHow/DX/<number>	Shows that number of spots. SH/DX/100
SHow/DX <Band>	Shows spots on that band. SH/DX 20 for 20 meters
SHow/DX/ <Freq>	Shows spots by frequency range. Syntax = SH/DX 7020-7130
SHow/DX <prefix*>	Shows all spots for a country, standard prefix not necessary, asterisk needed
SHow/DX 'rtty'	Shows spots where the comment field contains (rtty)
SHow/DXBY <call>	Shows spots where spotter = Call
SHow/FDX	Shows real time formatted dx spots.
SHow/FILTER	Shows how you have your filters set.
SHow/HEAD <Call>	Shows heading - distance and bearing for the call.
SHow/MYANN	Shows last 5 announcements allowed by your filter settings.
SHow/MYDX	Shows last 30 spots allowed by your filter settings
SHow/MYDX <Call>	Shows last 30 spots for the call allowed by your filter settings.
SHow/MYDX/<num-ber>	Shows that number of spots allowed by your filter. SH/MYDX/100
SHow/MYDX <Band>	Shows spots on that band allowed by your filter settings. SH/MYDX 20 for 20 meters

SHow/MYFDX	**Shows last 30 spots allowed by your filter settings.**
SHow/MYWX	**Shows last 5 weather announcements allowed by your filter settings.**
SHow/RES	**Shows the number of digits after the decimal point for frequencies**
SHow/SETTINGS	**Shows information on the node for your call and how you are setup.**
SHow/STATION	**Shows information on the node for a station. (SH/STA <Callsign>)**
SHow/SUN	**Shows local sunrise and sunset times. (SH/SUN <Prefix.) for that country**
SHow/TIME	**Shows GMT time.**
SHow/TIME <Call>	**Shows local time for the call.**
SHow/USDB	**Shows State/Province for US/VE calls. (SH/USDB <Callsign>)**
SHow/USERS	**Shows callsigns of everyone connected to the local node.**
SHow/VERSION	**Shows the CCC and Winsock Versions and Winsock Uptime for connections.**
SHow/WIDTH	**Shows the length of a DX Spot. Normally 80 characters.**
SHow/WWV	**Shows WWV info, (SH/WWV) gives last 5 (SH/WWV/99) gives last 99**
SHow/WCY	**Shows last 5 DK0WCY, similar to WWV**
Talk	**Send a talk message to someone on the node. (T <Callsign> <Message>)**

UNSET/	**This command can be used instead of SET/NO, Compatibility for DX-Spider USERs**
WHO	**This command will return a list of connections in alphabetical order. Items are: Call User/Node Name IP/AGW**
WX	**The command "WX" will send a local weather announcement. (WX Sunny and Warm)**

Most Common Used Filter Commands

Filter Settings:	Filter settings manually can be time consuming and sometimes hard to comprehend. I truly believe the best way is to download VE7CC's CC-USER FREE program at: **http://ve7cc.net** and use it to do your settings. Filters are mostly default to off, but one simple setting for say someone in the US or Canada that is happy seeing spots from just the US and Canada can do a quick setting for this: SET/FILTER K,VE/PASS
SH/FILTER	Shows all of your USER filter settings
SH/FILTER <aaa>	Show setting for specific filter, <aaa> = filter name. SH/FILTER DOC = DX Origination Country SH/FILTER DOS = DX Origination State SH/FILTER AOC = Announce Origination Country SH/FILTER AOS = Announce Origination State SH/FILTER WOC = Weather Origination Country SH/FILTER WOS = Weather Origination State SH/FILTER DXCTY = DX spot CounTrY SH/FILTER DXSTATE = DX spot STATE
SET/NOFILTER	Resets all filters to default. If you suspect you have entered invalid filter command or commands, reset and start over.
SET/FILTER <aaa>/OFF	Turn off specific filter. <aaa> = filter name (see SH/FILTER <aaa>)
SET/FILTER K,VE/PASS	This would be the most common filter setting for say someone in the United States or Canada to set so as to only see spots that originated in the US or Canada.
SET/FILTER <aaa>/<p/r> <bbb>	Set specific filter. <aaa> = filter name (see SH/FILTER <aaa> <p/r> = PASS or REJECT <bbb> = Country or State Example #1: SET/FILTER DOC/PASS EA,OH,G This would set your filter to pass originated spots from Spain, Finland and England only. Example #2: SET/FILTER DXCTY/PASS F,OH This would set your filter to pass spots for France and Finland only.
DX Band Mode Filtering	The DXBM filter has many variations for your settings, it is defaulted to receive all DX spots for all modes from 160 to 10 meters, (see Band & Mode Filtering below).

Band and Mode

You can tailor the DX spots from CC Cluster to only the bands and modes that interest you. The default setting for new users is to receive all DX spots from 160 to 10 meters, all modes. To reset the band/mode filter to pass everything, enter "SET/FILTER DXBM/OFF". To display your current settings, enter "SH/FILTER DXBM". You can change any band or band/mode
You can set the band or band/mode to either pass or reject. You can add items one at a time, or all at once.

For example:
To add 6 meters, you enter "SET/FILTER DXBM/PASS 6".
To delete 80 meter and 40 meter CW, enter "SET/FILTER DXBM/REJECT 80-CW,40-CW"

Although the band/mode has a "mode" name, it does not mean that when you select 40-RTTY that you are selecting only RTTY spots. What it really means is that you are selecting the frequency range in the following table that corresponds to this name. In this case 7040-7100. The actual mode may be anything. The only thing you have selected is a frequency range.

DX FREQUENCIES

Band Mode	Low	High	Band Mode	Low	High	Band Mode	Low	High
160-CW	1800	1850				160-SSB	1850	2000
80-CW	3500	3580	80-RTTY	3580	3700	80-SSB	3700	4000
						60-SSB	5260	5405
40-CW	7000	7040	40-RTTY	7040	7100	40-SSB	7100	7300
30-CW	10100	10130	30-RTTY	10130	10150			
20-CW	14000	14070	20-RTTY	14070	14150	20-SSB	14150	14350
17-CW	18068	18100	17-RTTY	18100	18110	17-SSB	18110	18168
15-CW	21000	21070	15-RTTY	21070	21200	15-SSB	21200	21450
12-CW	24890	24920	12-RTTY	24920	24930	12-SSB	24930	24990
10-CW	28000	28070	10-RTTY	28070	28300	10-SSB	28300	29700
6-CW	50000	50080	6-SSB	50080	50500	6-FM	50500	54000
						4-MTR	70000	70650
2-CW	144000	144100	2-SSB	144100	144500	2-FM	144500	148000
1-CW	220000	221000	1-SSB	222000	224000	1-FM	221000	222000
						MW-MW	500000	47000000