Usage of MixW 3.2.105 in the Makrothen RTTY Contest

1. Download http://mixw.net/index.php?j=downloads

2. Install the software.

3. Download the contest definition from www.digitalrus.ru
   Deep link: http://www.digitalrus.ru/Files/StatsMakrothen.zip

4. Unpack the contest definition, it contains two files:
   StatsMakrothen.dll and makrothen.mc.

5. Copy StatsCQWWRTTY.dll to the MixW plugin directory.
   This is the directory C:\Users\<USERNAME>\AppData\Roaming\MixW3\Plugins
   For example: C:\Users\michael\AppData\Roaming\MixW3\Plugins

6. Copy makrothen.mc to the MixW macro directory.
   This is the directory C:\Users\<USERNAME>\AppData\Roaming\MixW3\ MixMacros
   For example: C:\Users\michael\AppData\Roaming\MixW3\ MixMacros

7. Go to C:\Users\<USERNAME>\AppData\Roaming\MixW3\Logs\ (for example
   C:\Users\michael\AppData\Roaming\MixW3\Logs) and create an empty file named
   "Makrothen-2021.log".

8. Start MixW and Configure menu Layout 2:
   View -> Menu -> Layout 2

9. Configure user:
   Logging -> Personal Data:

At „Log file", select the file created in step 7 (CSV format):
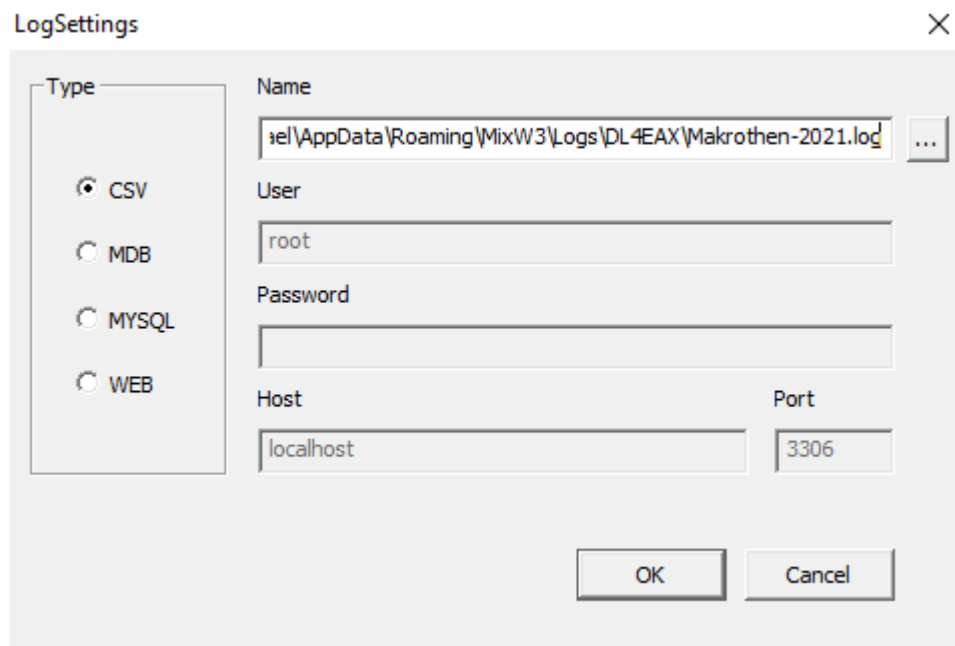
10. Configure hardware (varies depending on circumstances):
    Hardware > Sound Device Settings
    Hardware > CAT Settings
    Hardware > PTT Port Settings
    After that, a trial QSO is recommended. PSK31 on 20m is still active…

11. Set up the contest:
    Logging -> Contest Mode
    A window appears, on the right side click "Add new ...".

12. The following shall be set here (example):

Name: Freely selectable
Your call: Call sign used in the contest
NR Sent: The first 4 characters of your "Maidenhead Grid Square Locator"
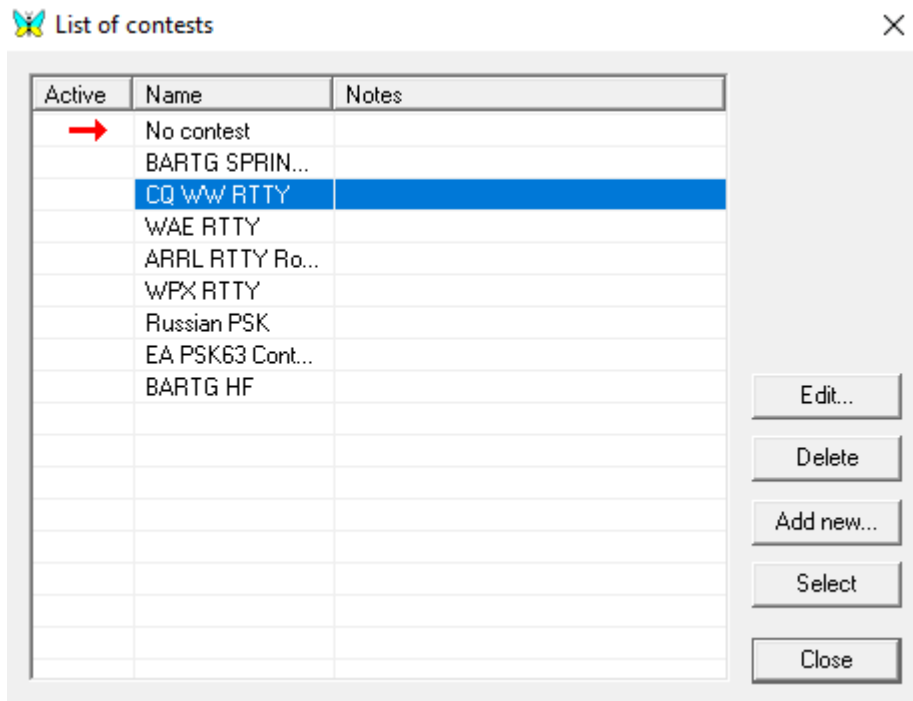Start: Start date and time
End: End date and time
Take "Auto grab" and "Suggest" from the picture
Statistics: Select the Makrothen here
Macros: Enter the macro file defined in point 6 here
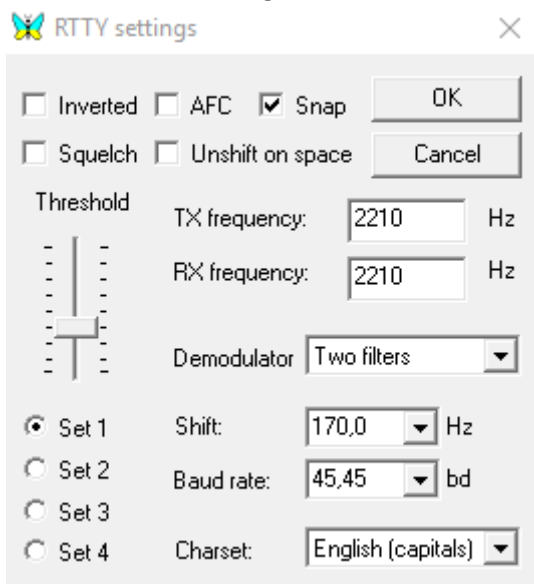**Click OK**

13. Click "Select" and then "Close":

14. We are now in contest mode, you can see that at the top of the program:

DL4EAX - Contest: Makrothen RTTY - Current log: C:\Users\michael\AppData\Roaming\MixW3\Logs\DL4EAX\Makrothen-2021.log(CSV)

15. Under Mode, set RTTY and check the options again for safety:
Mode -> Mode Settings …

Important here: Shift 170 Hz and baud rate 45.45 bd

16. Explanation of macros:

The first 4 macros are to call CQ yourself.
Macros 5 to 8 are used if you want to respond to a CQ call.
Macros 9 to 11 for inquiries.

CQ: Calling CQ
Hello: QSO Part 1 (DL1ABC JO31 ...)
Long Nr: Repetition QSO Part 1 (in case of queries by the QSO partner)
VIN: Final, i.e. termination of the QSO, automatic saving and QRZ

CALL: Respond to a CQ call
Answer: QSO Part 1 (DL1ABC JO31 ...) and automatic saving
Long Nr: Repetition of QSO Part 1 in case of queries. The data from the previously
automatically saved QSO is automatically taken.
QSO B4: Note to the QSO partner about a previous QSO.
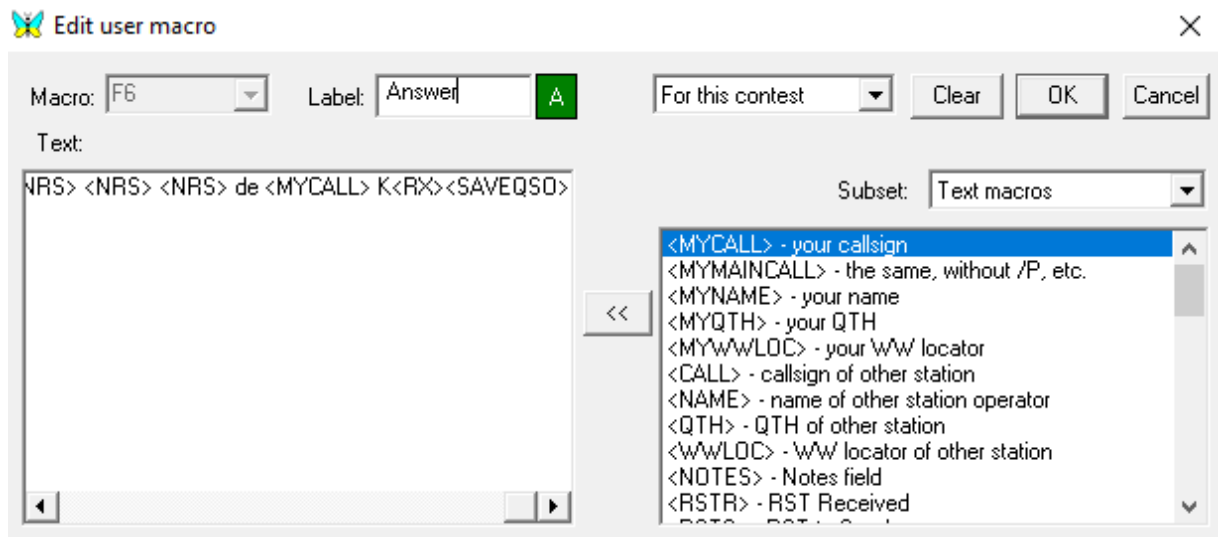
MYCALL: Send your call three times.
Agn NR: Request to the QSO partner to repeat the report.
Agn ...: Request to the QSO partner to repeat his call sign.

Note: Exchange of a report is not required, just your 4 digit locator.

How to edit a macro?

Right clicking to a macro will open a dialogue that allows to change it:

Here is an example of the content of the "Answer" macro:
<TX><CURSOR:TX><CRLF><CALL> <GA> <NAME> QSL UR <RSTS> <NRS> <NRS> <NRS> de
<MYCALL> K<RX><SAVEQSO>
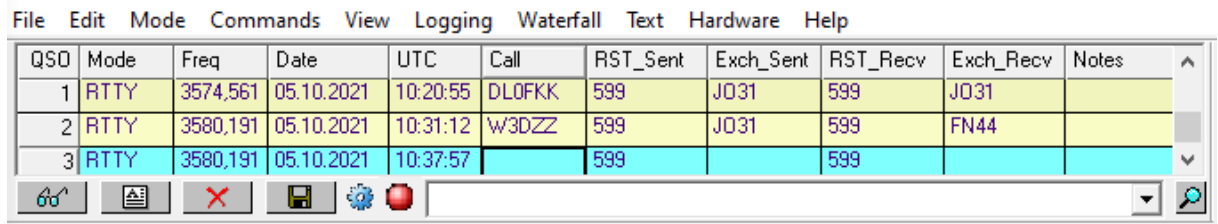
I have changed it because I do not like to send the name and a report is not required anyway.
This is the way it looks now:

<TX><CURSOR:TX><CRLF><CALL> <GA> <NRS> <NRS> <NRS> de <MYCALL>
K<RX><SAVEQSO>

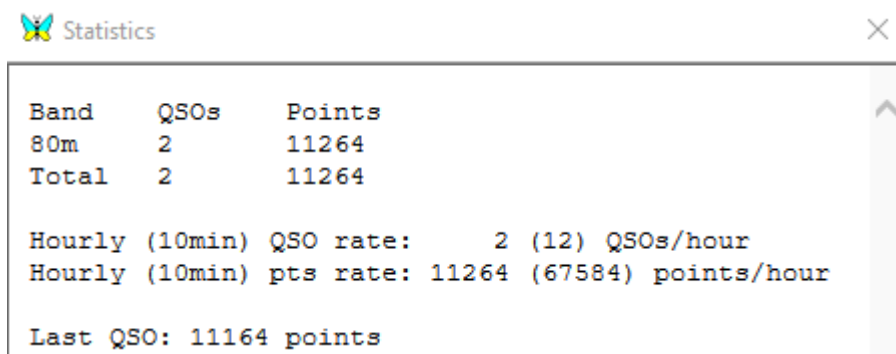Based on this, "Answer" will send the following text (example):
W3DZZ GM JO31 JO31 JO31 de DL4EAX K

If you like, manually add a few QSOs to get a bit of a feeling how it works:

QSO	Mode	Freq	Date	UTC	Call	RST_Sent	Exch_Sent	RST_Recv	Exch_Recv	Notes
1	RTTY	3574,561	05.10.2021	10:20:55	DL0FKK	599	JO31	599	JO31	
2	RTTY	3580,191	05.10.2021	10:31:12	W3DZZ	599	JO31	599	FN44	
3	RTTY	3580,191	05.10.2021	10:37:57		599		599		

The Statistics will show your points:
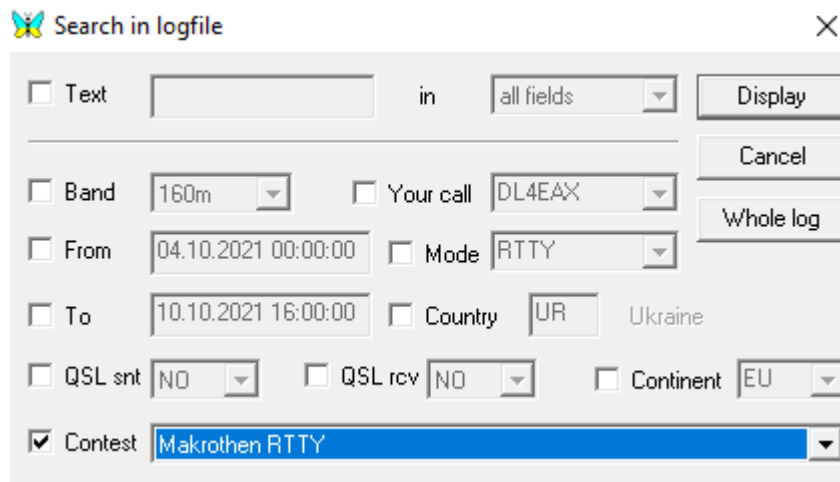
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Band     QSOs      Points
80m      2         11264
Total    2         11264

Hourly (10min) QSO rate:      2 (12) QSOs/hour
Hourly (10min) pts rate: 11264 (67584) points/hour

Last QSO: 11164 points
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17. Creation of a log:

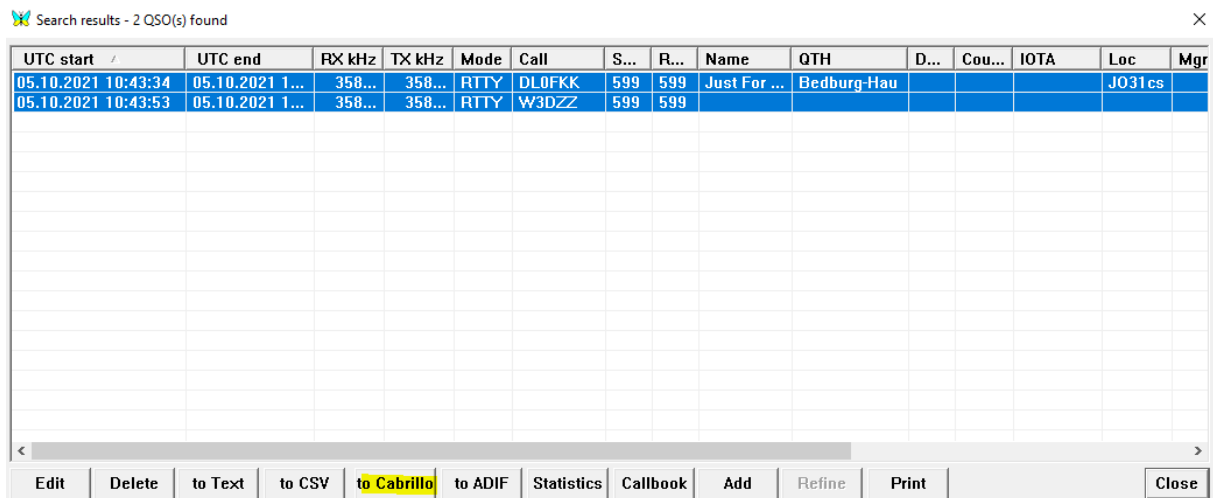   For evaluation click on: [66] (ALT-R), there you select the contest:

    Then click on "Display".

18. Select all QSOs and click "to Cabrillo":

19. Here are a few things to enter or change:

CATEGORY: Depending on your output power.
Name, address, etc.
OPERATORS: Own call sign
CLUB: Just for Fun Contest Club
E-MAIL: Own e-mail address

20. Logging -> Contest Mode -> No Contest -> Select -> Close

21. The log can be found in this configuration directory:
    C:\Users\<USERNAME>\AppData\Roaming\MixW3
    For example, C:\Users\michael\AppData\Roaming\MixW3
    For example, the file name is: DL4EAX.cbr

22. Upload to the organizer:

    https://www.pl259.org/makrothen/log-submission/

Annex: Example log

START-OF-LOG: 2.0

CONTEST: MINITEST (to be replaced with MAKROTHEN-RTTY)

CALLSIGN: DL4EAX

CATEGORY: LOW

CATEGORY-MODE: RTTY

CREATED-BY: MixW

NAME: Michael Funke

ADDRESS: Markusstr. 22

47551 Bedburg-Hau

OPERATORS: DL4EAX

EMAIL: dl4eax@darc.de

SOAPBOX:

QSO: 3580 RY 2021-10-05 1043 DL4EAX   599 JO31   DL0FKK   599 JO31

QSO: 3580 RY 2021-10-05 1043 DL4EAX   599 JO31   W3DZZ   599 FN44

END-OF-LOG:

Cabrillo Reference for this contest:
https://www.pl259.org/makrothen/log-template/