EME STORY and EVOLUTION
Since 1944 till 2014

In tribute to **Franck Tonna F5SE (SK)**
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with the kind help from Peter G3LTF , Al K2UYH , Matej OK1TEH
Al W5LUA , Barry VE4MA , Luis CT1DMK

STORY

- ***some importants dates*** :
- ***1944*** : First echoes received from Moon on 514MHz by the German Würzmann Radar
- ***1946*** : US Army Signal Corps Lt Colonel John De Witt Jr , W4ERI , tried to receive his own echos from the Moon using a 8kw Radar modified transmitter on 111,5 MHz.
- ***1950*** :W4AO and W3GKP try to make the first EME qos on 144MHz using the USAF Diana Project 1kW transmitter
- ***April 1953*** : W3GKP and W3LZD receive the first echoes from W4AO on 144MHz
- ***September 1953*** : Herbert Johnson , W3QKI (W6QKI) receive his own echoes using 700 watts transmitter and a 104 éléments Yagi
- ***Some months before*** : Collins Radio Company made a contact via the Moon between Iowa and Washington DC on 418 MHz using a 20 Kw transmitter .
- ***1960 May 20th :*** first EME contact on 420 MHz between KP4BPZ and W1BU
- ***1960 July 21th*** : W1BU and W6HB make the first bilateral contact via the Moon on 1296 MHz
- ***1964 April 11th*** : W6DNG and OH1NL make the first ever EME contact on 144MHz between USA and Europe
- ***1964 June 13th*** : First EME contact on 432MHz between KP4BPZ and HB9RG
- ***1964 september 27th*** : first EME contact on 1296 MHz between USA and Europe by W1BU
- and HB9RF
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- ***1967 january 27th: F8DO and W6DNG made the first ever contact via the Moon on 144MHz between France/Europe and USA (see spezial paper)***

- ***1970 october 19th :*** first EME contact on 2304MHz between W4HHK and W3GKP
- ***1972 july 30th*** : first EME contact on 50MHz between W5SXD , WA5HNK and K5WAX
- ***1984 may 5th :*** first EME contact on 2320 MHz between OK1KIR and OE9XXI
- ***1987 April 7th:*** first EME contact on 3,4GHz between KD5RO and W7CNK
- ***1987 April 24th :*** first EME contact on 5,7 GHz between WA5TNY and W7CNK
- ***1988 january 22 :*** first EME contact on 902 MHz beween K5JL and WA5ETV
- ***1988 august 27th :*** first EME contact on 10GHz between WA7CJO and WA5VJB
- ***1994 december 11th :*** first NA to EU EME contact on 5760MHz between VE4MA and OE9PMJ
- ***1995 may 2nd :*** first NA to EU EME contact on 3400MHz between VE4MA and DL9EBL
- ***2001 august 18th :*** first EME contact on 24 GHz between Barry VE4MA and Al W5LUA
- ***2003 :*** **JT digital modes created by Joe Taylor K1JT making easier contacts via Moon !**
- ***2005 january 23th :*** first EME contact on 47GHz between AD6FP and Sergueï RW3BP
- ***2005 april 16th :*** 47 GHz EME contacts between AD6FP , W5LUA , VE4MA and RW3BP
- ***2013 february 25th :*** Sergueï RW3BP received his own echoes from the Moon on 77,5GHz

All these informations came from :

- « VHF handbook » 1956 first publication, writed by the wellknown W. I.. ORR W6SAI and H.G. Johnson W6QKI and in the second publication in 1972 by ARRL writed by Ed Tilton W1HDQ (QST VHF editor) .
- QST magazine
- 432 and above newsletter (Al K2UYH)
- 144 MHz EME newsletter (Rolf DK2ZF)
- Dubus magazine
- OK2KKW website
- W7GJ website
- F1EHN website

EVOLUTION : 144/432/1296 MHz

About ARRL EME contest results by Luis CT1DMK

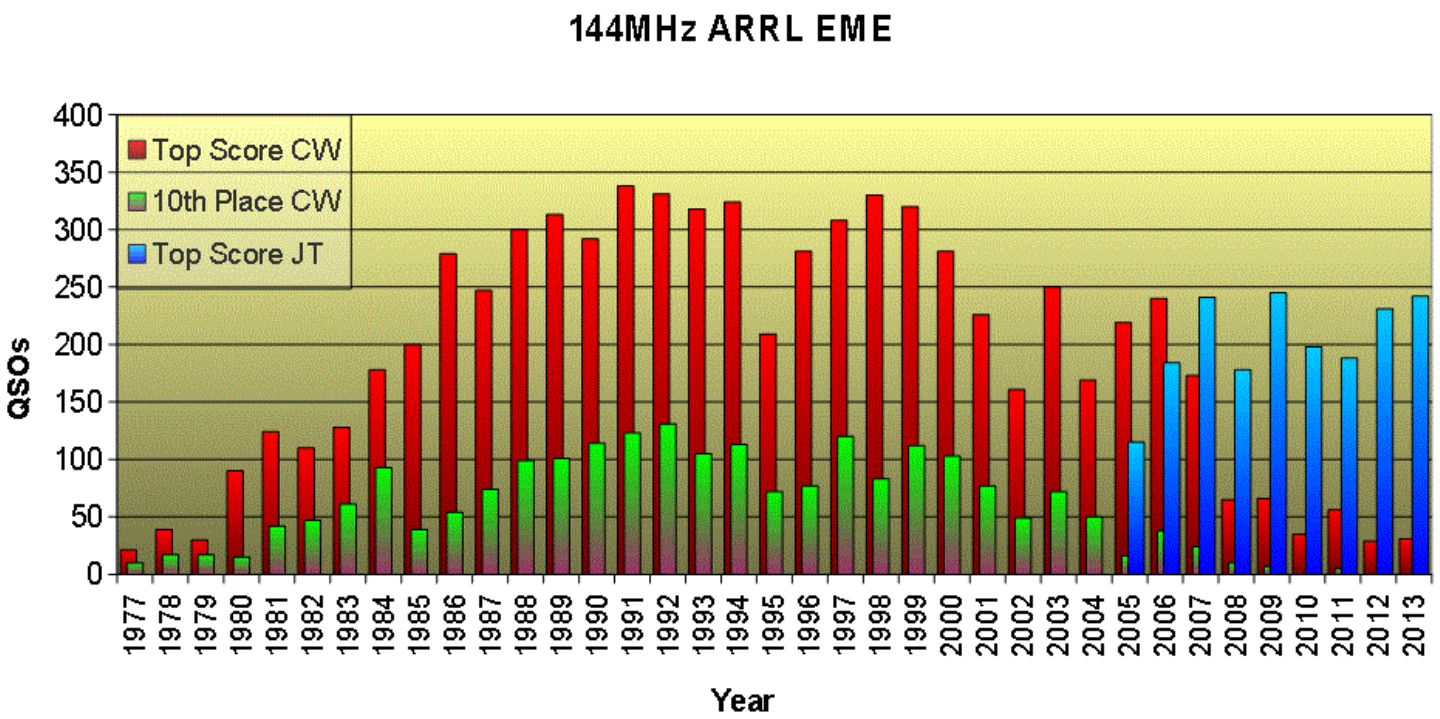
The top score does reflect nearly the total active stations while the the performance of the 10th place gives an indication for how a medium station would have felt the activity.

- **Monoband top score station was considered. In the case of a multiband stations scored higher the way**
- **ARRL presented the results (without per band breakdown after 2003) I may have listed lower nr of QSO's. If you are a Top score and info differs or know better than what is on the ARRL score sheet please drop me an email**

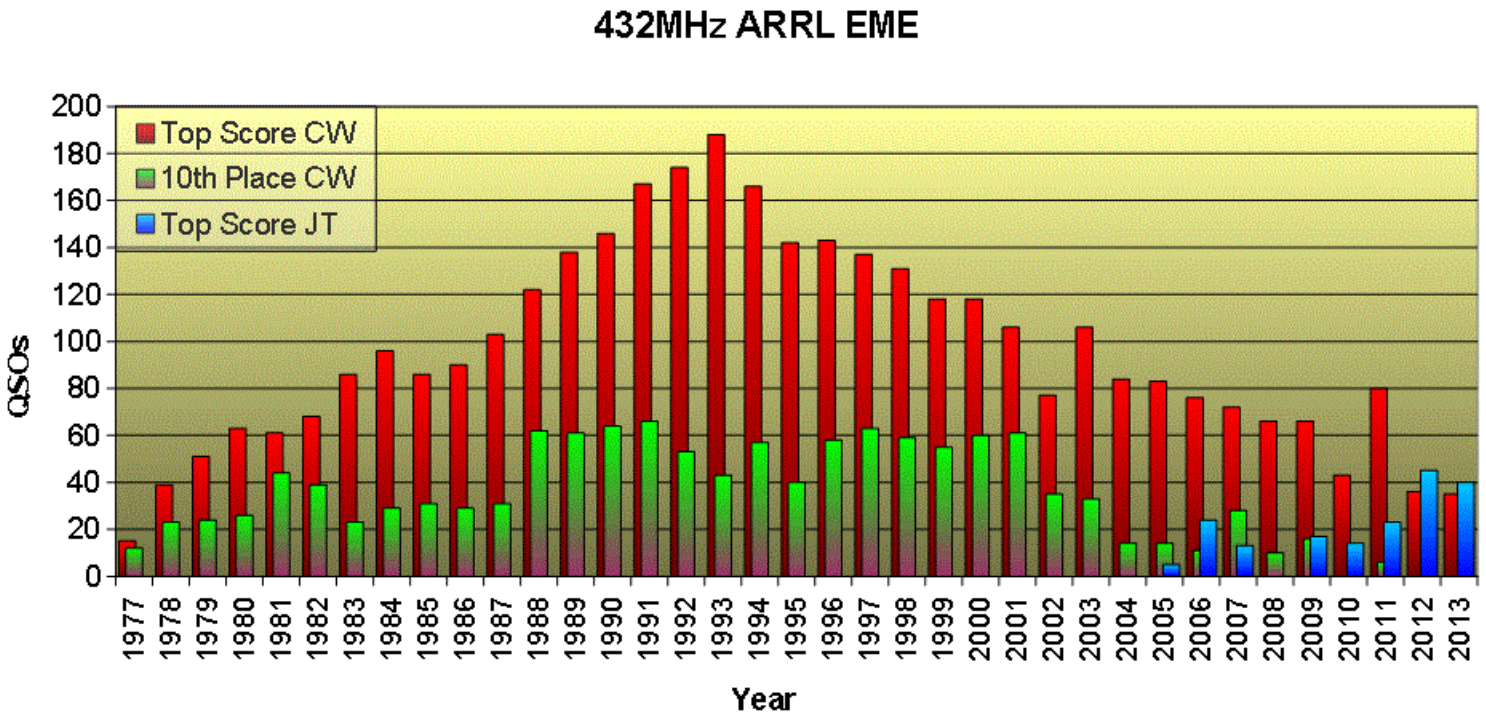
- In the recent years where Assisted and Unassisted categories existed the Unassisted category was considered. It would make little sense to have 30+ Years of unassisted EME compared with anything else.

- Year 2003 CW score on 2m is probably wrong since there was no distinct digital and CW categories. It is likely that it is however correct on 70cm and 23cm since not many digital QSO's hapenned and certainly not by the top score stations.

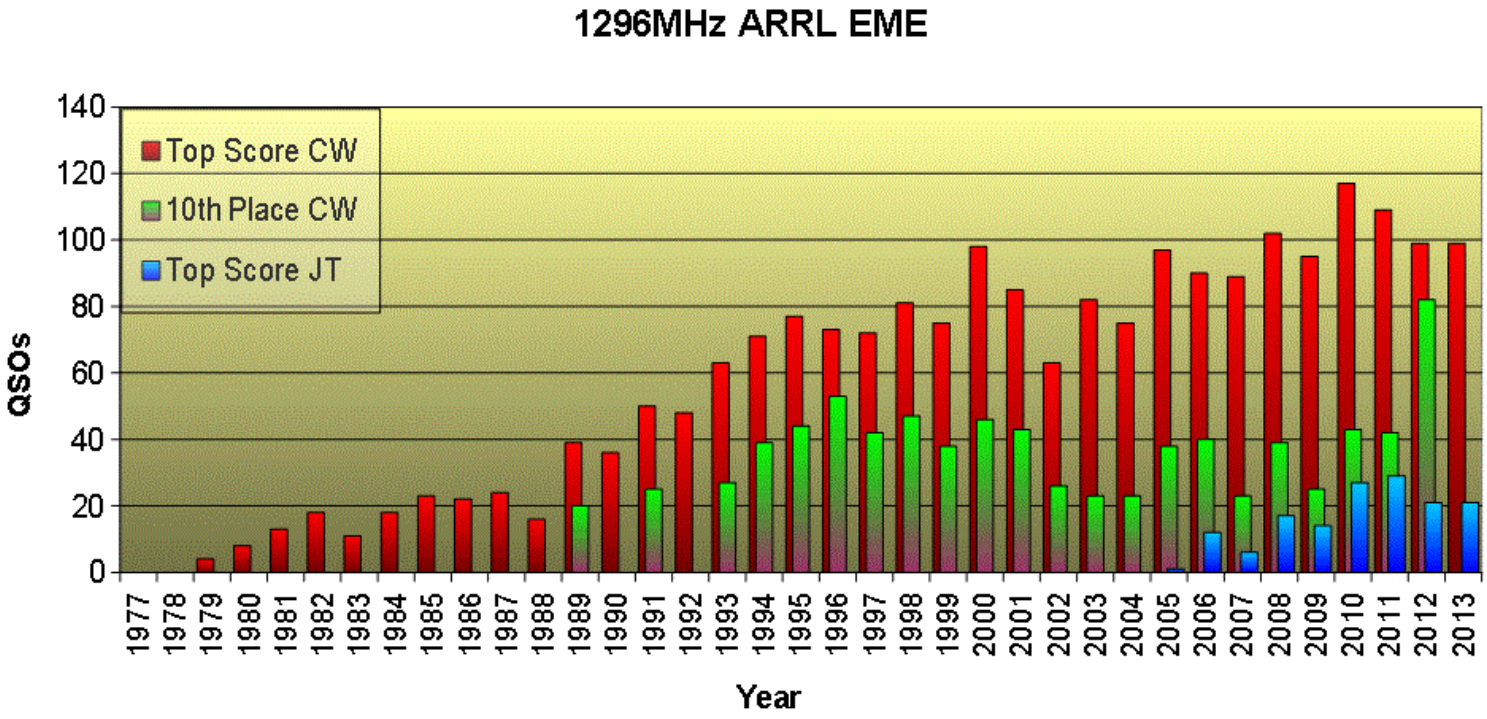
- After year 2011 10th place values are estimates. I will update if I gather more information.



Year 2003 CW score is probably innacurate since there was no distinct digital and CW categories.



Year 2008 digital score is probably burried in a multiband station score. Impossible to tell from the listing scheme ARRL used that year.



2000-2003 CW scores here at 23cm is probably correct albeit no distinct digital and CW categories I do believe that all QSO's were CW.