Learning Morse Code - The Right Way!
Lesson - 17

27 Sep 2020

by

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‘Sending is as Important as Receiving’

Today's Coverage

- Magazine QST Feb 2020 - an interesting Double Key
- Revision of last class : CT and CL
- Sending Morse - learning the Right Way!
- Tracking JLM / LCWO results with Students' List individually using shared Google Sheet
- The Way Ahead - add characters/numbers one by one daily
- Questions

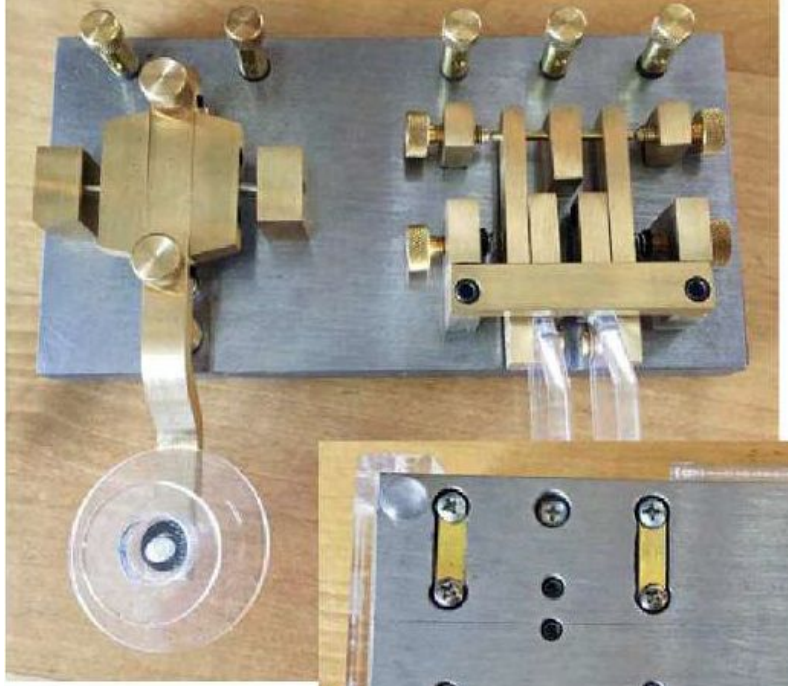
QST

DIGITAL EDITION

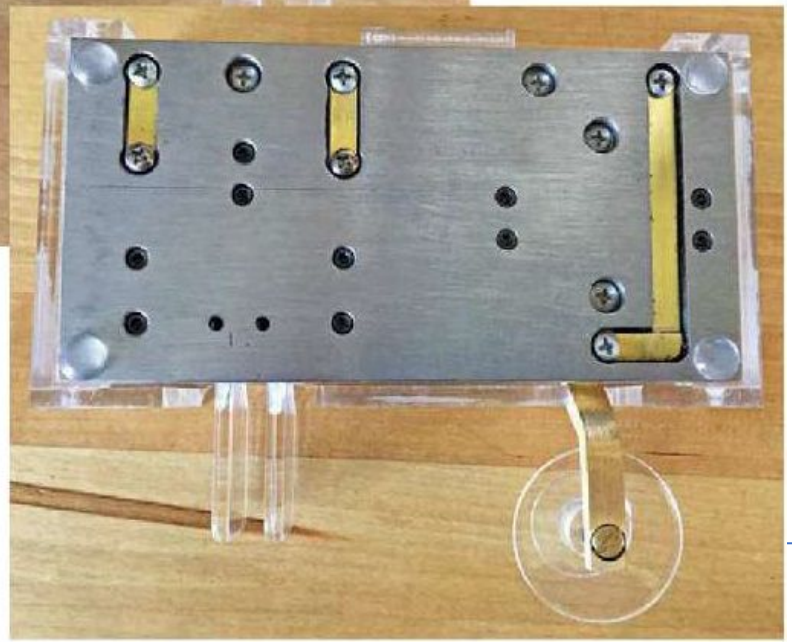
ARRL The national association for AMATEUR RADIO®
February 2020 www.arrl.org
DEVOTED ENTIRELY TO AMATEUR RADIO

Meet the Combo Key!

Compact, stable, and beautiful.



▲**Figure 5** — The top view of the key before final finish.



▶**Figure 6** — The bottom of the key before final finish.

Marc Alan Winzenried, WA9ZCO, was first licensed in 1968 and now holds an Amateur Advanced-class license. He retired from a career in industrial machine control design, writing control system software and managing projects. Marc graduated with an associate's degree in electronics. He has designed and home-built most of his equipment, including QRP transceivers, panels, antennas, Arduino projects, and solar systems. A recent project includes an NEC-compliant amateur radio station off-grid solar backup power system. You can reach Marc at **wa9zco@bayland.net**.

Some Important Concepts

Concept 3

Start of a session : CT

End of a session : CL

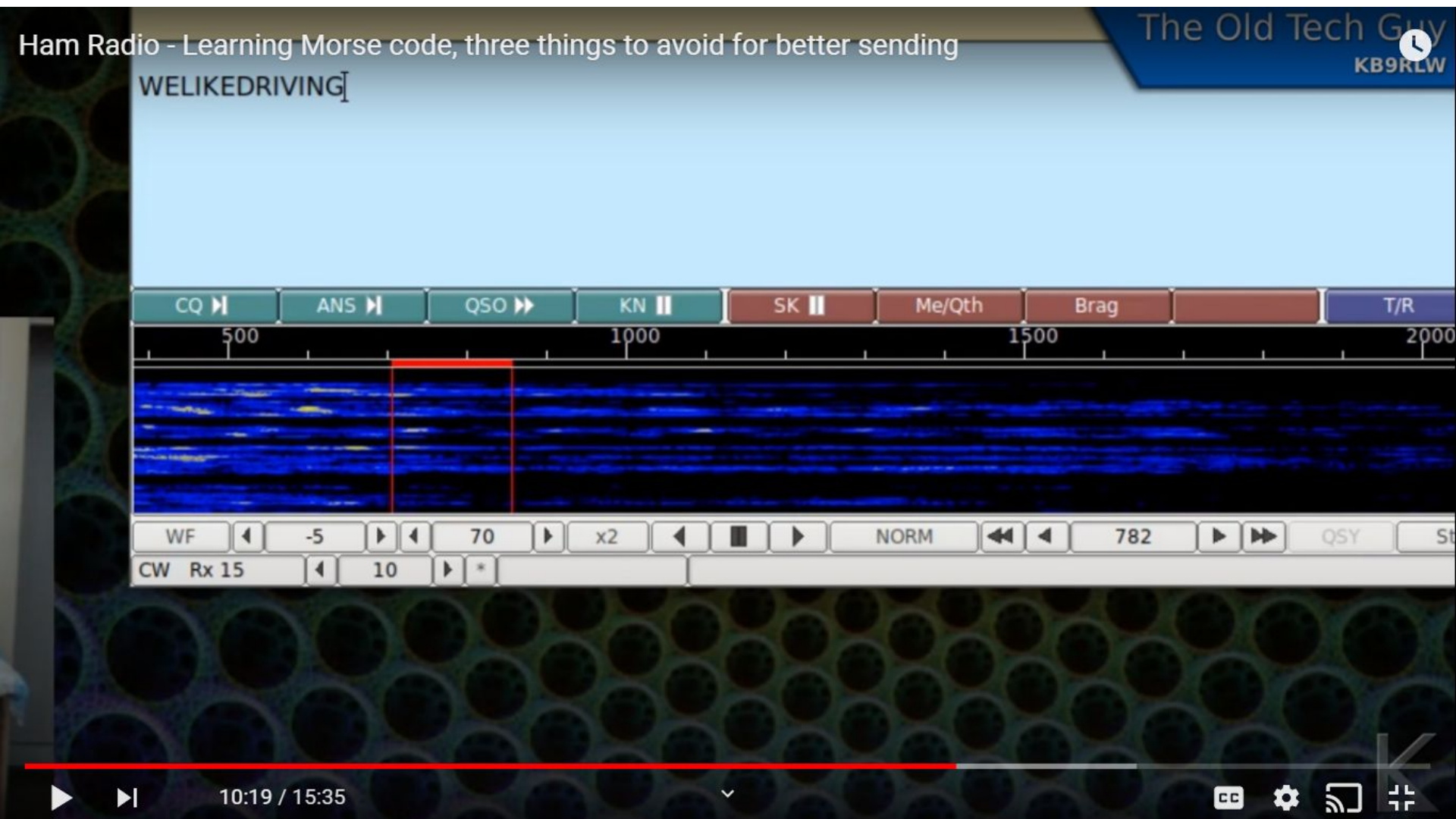
Sending Morse : Do’s

- Adjust Key
- Develop Technique
- Practice

Sending Morse : Do's

- Dot : Dash Ratio = 1 : 3
- Spacing between Letters = 3 dits
- Spacing between words = 7 dits

  = 2 Dahs with a dit space in-between


Ham Radio - Learning Morse code, three things to avoid for better sending
The Old Tech Guy
KB9RLW
WELIKEDRIVING
CQ
ANS
QSO
KN
SK
Me/Qth
Brag
T/R
500
1000
1500
2000
WF
-5
70
x2
NORM
782
QSY
CW Rx 15
10
10:19 / 15:35

Sending Morse : Dont's

- Wrong Learning : Difficult to Undo & Re-learn
- Bad Code sending is painful - 'Rythm' is the key!!
- May not convey the intended message
- Do not send faster than you can receive

Sending Morse : Tips

- Take feedback to improve - listen to your own recording
- Use Technology to Improve Sending with Perfect Timings (Next Class)

Sending Morse :Training Film - Youtube

Learn to Send Perfect Morse Code by Hand - Vintage Training Film (Ham Radio / CW)
https://youtu.be/qmg1MlstxWM

Ham Radio - Learning Morse code, three things to avoid for better sending
https://youtu.be/3sqiyJi6YM8

Learn to Send Perfect Morse Code by Hand - Vintage Training Film (Ham Radio / CW)
NW7US
18:17 / 19:47
http://NW7US.us ~ https://YouTube.com/NW7US

Learn to Send Perfect Morse Code by Hand - Vintage Training Film (Ham Radio / CW)
Play (k)
16:57 / 19:47
NW7US
http://NW7US.us ~ https://YouTube.com/NW7US

Exploring LCWO.net

Speed Practice

- Code Groups (Including 'How to downlaod MP3 Files)
- Plain Text Training
- Word training

Miscellaneous

- Convert text to CW
- MP3 practice files

Tracking JLM / LCWO results with Students' List

Individuals' Progress Review

Today’s Lesson

Learnig to Receive ‘Words’

Practical Demo of ‘and’ & ‘the’ words as one sound!!

Today’s Lesson

Learnig to Receive ‘CT’ & ‘CL’

Practical Demo of ‘and’ & ‘the’ words as one sound!!

Today’s Lesson

Learnig to Send Rythmically!
Practical Demo of sending
A - Z @12 WPM

The Way Ahead - Zoom On @15/8 speed!

‘E T K I N A M S O D R’ + ‘H U C L’ : DONE SO FAR

Add ‘ P F W Y G B’ one at a time and practice till you get above 90% accuracy

P : Di-dah-dah-dit

F : Di-dit-dah-dit

W : Di-dah-dah

Y : Dah-di-dah-dah

G : Dah-dah-dit

B : Dah-di-di-dit

Last Week new additions : J Q X Z V

This week new additions : CT CL AND THE

? : Di-dit-dah-dah-di-dit

Q : Dah-dah-di-dah

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Dah-dah-di-di-dit Di-di-dit-dah-dah