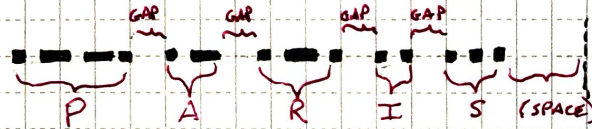


MEASURING "WORDS PER MINUTE" ON A FEW QRP RIG'S KEYS

W2AEN

①

THE STANDARD "WORD" IS PARIS ← (INCLUDING THE "SPACE" TO THE NEXT WORD)



"50" UNITS

I'M NOT USING THIS TO MEASURE WPM BECAUSE:

- THE INTER-CHARACTER GAP IS NOT CONTROLLED BY KEYS
- LONGER THAN IT NEEDS TO BE TO GET A GOOD MEASUREMENT

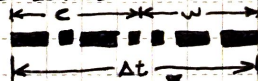
$$\text{UNIT LENGTH} = \frac{1.2}{\text{WPM}}$$

$$\text{WPM} = \frac{1.2}{\text{UNIT LENGTH}}$$

I WILL USE A PATTERN THAT CONTAINS

- ONLY KEYS CONTROLLED TIMING
(CHARACTERS RUN TOGETHER, SINGLE UNIT GAP)
- HAS ALL 4 SEQUENCES: $\square\square$, $\square\square$, $\square\square$, $\square\square$

THE LETTERS C W RUN TOGETHER MEET THIS CRITERIA:



21 UNITS - ALL TIMING CONTROLLED BY KEYS

- PROCESS:

- MEASURE Δt

- CALCULATE:

$$\text{WPM} = 21 \cdot \frac{1.2}{\Delta t}$$

WRAEW
②

TR-45L

KX2

KEYER ↓	$\Delta t = 1.579s$	$\Delta t = 1.624$
15 WPM	WPM = 16 wpm	WPM = 15.5
20 WPM	$\Delta t = 1.040s$ WPM = 22 wpm	$\Delta t = 1.212s$ WPM = 20.8