SPEED OF THOUGHT

120m/s
SPEED OF THOUGHT

COMMUNICATIVE

words per minute (WPM)
LISTENING + SPEAKING
LISTENING + SPEAKING

audiobook: 150 WPM
LISTENING + SPEAKING

audiobook: 150 WPM
conversation: 180 WPM
LISTENING + SPEAKING

audiobook: 150 WPM
conversation: 180 WPM
auctioneer: 250 WPM
LISTENING + SPEAKING

audiobook: 150 WPM
conversation: 180 WPM
auctioneer: 250 WPM
THIS GUY: ‘600’ WPM

John Moschitta: https://youtu.be/NeK5ZjtpO-M
average: 250 WPM
speed reader: 700 WPM
attested: 1000+ WPM
RECORDING: WRITING IT DOWN
SPECIAL STUDIES OF THE CAPITALS, SMALL LETTERS, AND FIGURES

A B C D E E F G H I J K L M
N O O L R S T U V W X Y Z
a b c d e f g h i j k l m n o p
q r s t u v w x y z 1 2 3 4 5 6 7 8 9 0

Pupils who have studied and followed the explanations, suggestions, and instructions so far, will have sufficient control of the muscular movement to master easily the letters on this page.

Those who have not been thorough in studying the instruction and practicing the drills should review. Nothing less than failure can follow superficial study.

The capitals, small letters, and figures are given at this point for convenient reference, and an effort should be made hereafter to employ these forms in all the written work.

One lesson each week should be devoted to special study and practice of the capitals until they are mastered.

Capitals, small letters, and figures will all be taught thoroughly in the following lessons.

A few minutes in the right way are worth more than hours of practice in the wrong way.
MORSE CODE

https://youtu.be/q_ZEwZzuqW0
Dictaphone (1907)
as fast as speech: 250 WPM
as fast as speech: 250 WPM

but that means we can only receive at 250 WPM!

Dictaphone (1907)
but that means we can only receive at 250 WPM!

writing (text) exploits:
• fast reading
• fast seek times
• aggregation, search, analytics
as early as 1837
as early as 1837
as early as 1837

SHORTHAND

requires decoding...

Teeline (1968)
TYPEWRITER

Sholes and Glidden (1874)

hunt and peck
TOUCH TYPING

~1880
# Alternate Layouts

<table>
<thead>
<tr>
<th>Q</th>
<th>J</th>
<th>K</th>
<th>X</th>
<th>B</th>
<th>M</th>
<th>W</th>
<th>V</th>
<th>Z</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Shift</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Z</th>
<th>X</th>
<th>C</th>
<th>V</th>
<th>B</th>
<th>K</th>
<th>M</th>
<th>&lt;</th>
<th>&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Shift</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tab</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>0</th>
<th>-</th>
<th>+</th>
<th>Backspace</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Tab</td>
<td></td>
</tr>
</tbody>
</table>

| Tab | Q | W | F | P | G | J | L | U | Y | { | } | 
|-----|---|---|---|---|---|---|---|---|---|---|---|----------|
|     |   |   |   |   |   |   |   |   |   |   |   | Tab |

<table>
<thead>
<tr>
<th>Shift</th>
<th>Ctrl</th>
<th>Win Key</th>
<th>Alt</th>
<th>Win Key</th>
<th>Menu</th>
<th>Ctrl</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ALTERNATE LAYOUTS

DVORAK (1936)

COLEMAK (2006)
# Alternate Layouts

<table>
<thead>
<tr>
<th></th>
<th>Tab</th>
<th>Caps Lock</th>
<th>Shift</th>
<th>Ctrl</th>
<th>Win Key</th>
<th>Alt</th>
<th>Alt Gr</th>
<th>Win Key</th>
<th>Menu</th>
<th>Ctrl</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVORAK (1936)</td>
<td><img src="image1.png" alt="DVORAK Keyboard" /></td>
<td><img src="image2.png" alt="DVORAK Keyboard" /></td>
<td><img src="image3.png" alt="DVORAK Keyboard" /></td>
<td><img src="image4.png" alt="DVORAK Keyboard" /></td>
<td><img src="image5.png" alt="DVORAK Keyboard" /></td>
<td><img src="image6.png" alt="DVORAK Keyboard" /></td>
<td><img src="image7.png" alt="DVORAK Keyboard" /></td>
<td><img src="image8.png" alt="DVORAK Keyboard" /></td>
<td><img src="image9.png" alt="DVORAK Keyboard" /></td>
<td><img src="image10.png" alt="DVORAK Keyboard" /></td>
</tr>
<tr>
<td>COLEMAK (2006)</td>
<td><img src="image11.png" alt="COLEMAK Keyboard" /></td>
<td><img src="image12.png" alt="COLEMAK Keyboard" /></td>
<td><img src="image13.png" alt="COLEMAK Keyboard" /></td>
<td><img src="image14.png" alt="COLEMAK Keyboard" /></td>
<td><img src="image15.png" alt="COLEMAK Keyboard" /></td>
<td><img src="image16.png" alt="COLEMAK Keyboard" /></td>
<td><img src="image17.png" alt="COLEMAK Keyboard" /></td>
<td><img src="image18.png" alt="COLEMAK Keyboard" /></td>
<td><img src="image19.png" alt="COLEMAK Keyboard" /></td>
<td><img src="image20.png" alt="COLEMAK Keyboard" /></td>
</tr>
</tbody>
</table>

**ASETNIOP (2012)**
STENOTYPE

THE DYING ART OF

STENOGRAPHY

1913

240-360 WPM
THE DYING ART OF

STENOGRAPHY

στενός (narrow) γράφω (write)
THE DYING ART OF

STENOGRAPHY

STEGANOGRAPHY
WHY CARE?

to type fast!

QWERTY: 120 WPM
DVORAK: 140 WPM
STENO: 240 WPM

Steno Hero: https://youtu.be/UtQzTUEuPWo
CAREER
STENO SCHOOL

2-6 years to reach 225 WPM
STENO SCHOOL

2-6 years to reach 225 WPM
85% women

statistic from Gender and Jobs: Sex Segregation of Occupations in the World
STENO KEYBOARD

22 keys

INITIAL CONSONANTS

VOWELS

FINAL CONSONANTS
STENO KEYBOARD
PHONETIC

KOF cough
SYLLABIC + CHORDED

KOF

cough
SYLLABIC + CHORDED

TKPHRORBL
DPLORBL
deplorable
STENO ORDER
MORE CHORDS

STENO ALPHABET

Ending | Steno | Example
-------|-------|--------
st     | FT    | Fast (FAFT)
th     | *T    | Bath (PWA*T)
mp     | *PL   | Lamp (HRA*PL)
jk     | *LG   | Milk (PH*EULG)
ch / tch | FP | Catch, Scream
sh     | RB    | Cash
'shun' (tion / slon etc..) | RBS | Precious
'kshun' (ction) | BGS | Function, Auction (AUBGS)
rch / nch | FRPB | Perch, Bench
dge    | PBLG  | Edge
ds     | DZ    | Friends

Plover
http://plovermemo.org
4.2 million possible chords!
DICTIONARIES

QWERTY

b: go Back one word
q: reQord maQro?!

STENO

GLERCH: Launch browser and perform Google search on text in clipboard
QUARN: Cut highlighted text and append to prespecified bug-tracking document
Phoenix Theory

Conventional theories conform steno strokes to vowel spelling e.g., TERS, WORS, HERS, KURS, F*IRS, FRONT, SHUNT; KA/NAL, KOM/PLAIN; KAUL, KOLUM; TAIR, TEREUHIL, PAOER, PER/YID; HOLOE, SWAULOE.

Phoenix Theory writes vowels by sound, regardless of spelling: TURS, WURS, HURS, KURS, FRUNT, SHUNT; KU/NAL, KUM/PLAIN; KAUL, KAUL/M; TAIR, TAIRIL, PAOER, PAERO/Y-D; HAULOE, SWAULOE. (Note: Phoenix Theory uses AU for both the “au” and “aw” sounds. If you’d like to understand why, go to www.phoenixtheory.com, home page, Site News, and click “AU vs. O”.)

The most frequently occurring vowel sound in spoken English is the schwa vowel sound (the soft, unstressed “uh” sound heard in banana [bænəNA/nə], canal [kæn/NA/l], promise [prə/məs], collapse [kəl/ə/səp], etc.) Per Funk & Wagnall, the vast majority of all ending vowel-consonant syllables are correctly pronounced with a schwa vowel sound (e.g., tarance [tɑr/ɑns], villain [ˈvɪl/ɪn], wallet [ˈwɔl/ɪt], private [ˈprɪv/ɪt], saudar [ˈsɔd/ər], etc.).

Every English syllable includes a vowel sound. With very few exceptions, with conventional theories each steno stroke includes a vowel key or combination of vowel keys representing the spelling of the vowel, including the schwa vowel sound. However, the schwa vowel sound can be spelled 43 different ways! With conventional theories, unless the steno writer knows – and can recall at “on-the-job” speeds – the correct vowel spelling, their steno strokes will not match/translate against a spelling-dependent dictionary entry. Consequently, a dictionary entry for an unfamiliar word, or any word where the steno writer can’t recall with certainty at realtime speeds which of the 43 ways a schwa vowel sound is spelled, is useless.

Phoenix Theory eliminates this sound/spelling dilemma by: (1) Stroking all schwa vowel sounds as U. Consequently, writers can write all words they can hear (not just those they can spell) with steno which will match/translate realtime against a pro-programmed dictionary entry. (2) Applying a patented vowel-omission principle eliminating the schwa vowel preceding final-sound consonants from all but the first syllable/sound of a word, further reducing spelling dependency and appreciably “shortening” shorthand. (Every English syllable includes a vowel sound. When reading Phoenix Theory steno, when the vowel has been omitted from a stroke, verbalize the omitted vowel as “uh.”)
HARDWARE
HARDWARE

STENOGRAPH™ DIAMANTE™ PRO WRITER REFURBISHED IN BLUE ICE

Brand: Stenograph

STENOGRAPH™ DIAMANTE™ PRO WRITER REFURBISHED IN BLUE ICE

€$4,328.63  C$3,818.63
(You save C$510.00)

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SKU: 1047B

Condition: Refurbished

Availability: We do our best to ship as fast as possible. Shipping normally is 24-48 hours. Please call us if you need it faster.

Shipping: Calculated at Checkout

Please Select Your Customized Keypad Configuration Free of Cost...
Mirabai Knight
PLOVER

(NKRO) keyboard: $50
(3D printed) keycaps: $20
my book stated cleavage come from a faraway land
THANKS!

http://www.openstenoproject.org/demo/

Coding with steno: https://youtu.be/RBBiri3CD6w