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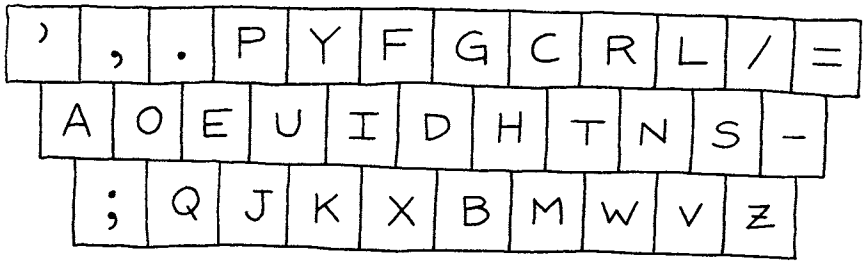
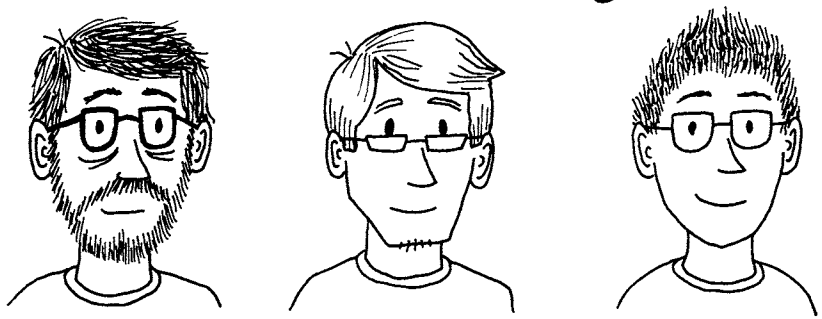
The DVORAK Zine

"CHANGING THE WORLD...
ONE KEYBOARD AT A TIME!"



Narrated by



ALEC, FRUNCH & GCB

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STREET TEAM EDITION

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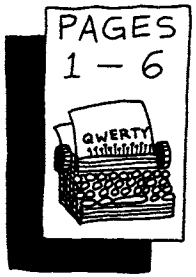
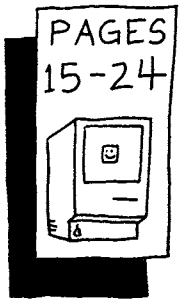


I'LL START BY TALKING ABOUT THE HISTORY OF THE **TYPEWRITER** AND HOW THE FIRST **KEYBOARD** WAS DEVELOPED.

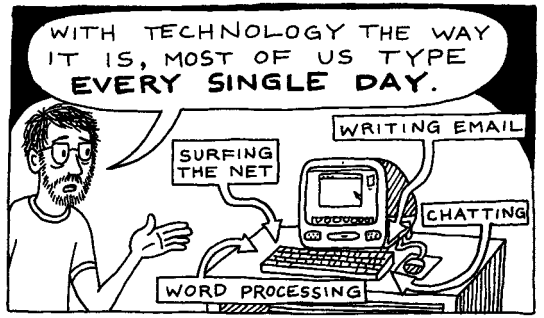
NEXT, I'LL EXPLAIN THE **DVORAK SIMPLIFIED KEYBOARD LAYOUT** AND SOME OF ITS BENEFITS!

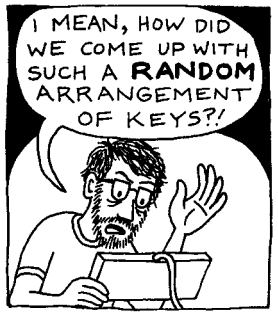


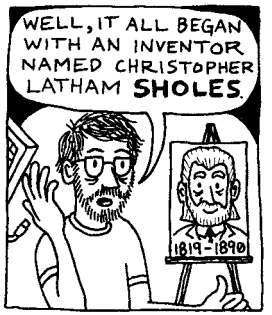
THEN I'LL GIVE YOU ALL THE INFORMATION YOU'LL NEED TO START TYPING DVORAK **TODAY!**

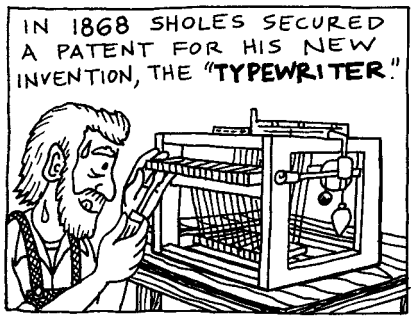
DVzine.org TYPING TUTORS, HELP FILES, FAQS, TUTORIALS AND MUCH MUCH MORE!!!

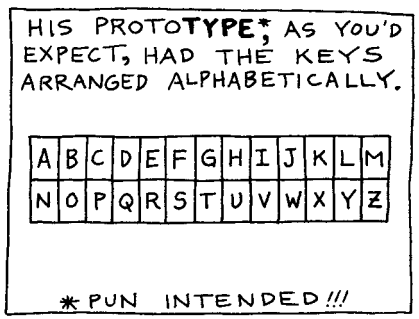
"THE DVORAK ZINE" 2005 ALEC LONGSTRETH, FRUNCH (AKA MICHAEL CARDIFF) AND GABE CARLETON-BARNES. PLEASE READ, LEARN AND REDISTRIBUTE THIS ZINE! QUESTIONS/COMMENTS: DVzine@gmail.com

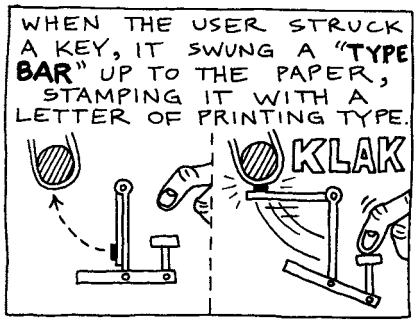


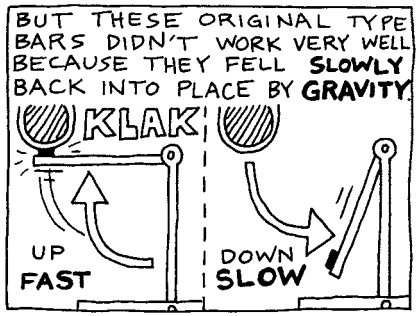


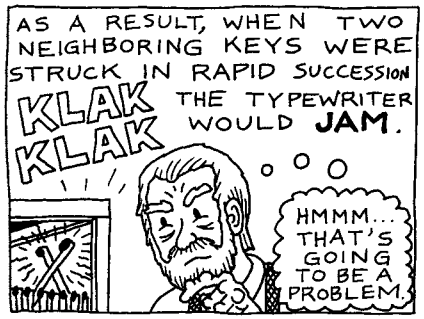


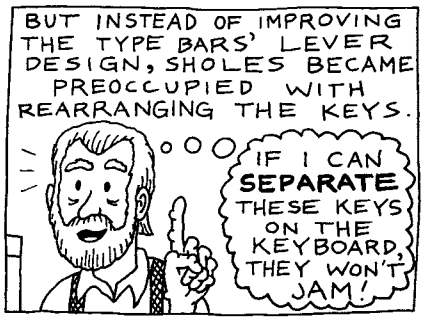


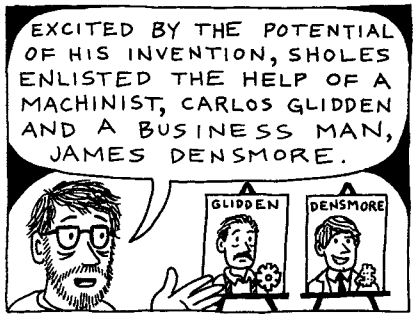




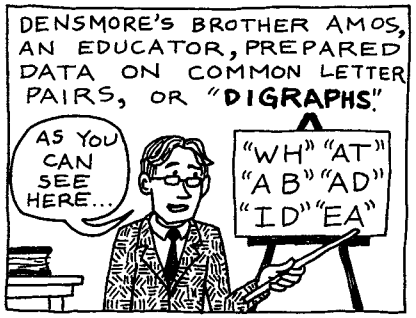


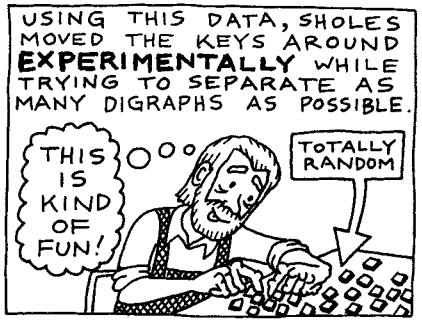

AS A RESULT, WHEN TWO NEIGHBORING KEYS WERE STRUCK IN RAPID SUCCESSION
KLAK KLAK
THE TYPEWRITER WOULD JAM.
HMMM... THAT'S GOING TO BE A PROBLEM.


BUT INSTEAD OF IMPROVING THE TYPE BARS' LEVER DESIGN, SHOLES BECAME PREOCCUPIED WITH REARRANGING THE KEYS.
IF I CAN SEPARATE THESE KEYS ON THE KEYBOARD, THEY WON'T JAM!

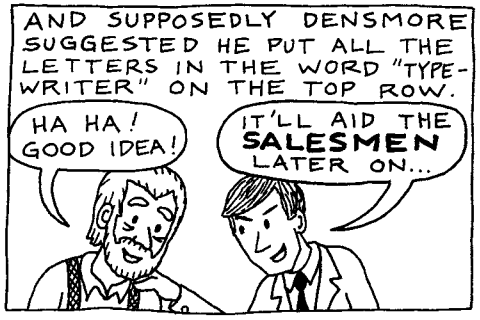

EXCITED BY THE POTENTIAL OF HIS INVENTION, SHOLES ENLISTED THE HELP OF A MACHINIST, CARLOS GLIDDEN AND A BUSINESS MAN, JAMES DENSMORE.
GLIDDEN
DENSMORE

THEIR MAIN GOAL FOR IMPROVING THE NEXT TYPEWRITER MODEL WAS TO PHYSICALLY SEPARATE KEYS THAT WERE FREQUENTLY STRUCK IN SEQUENCE.

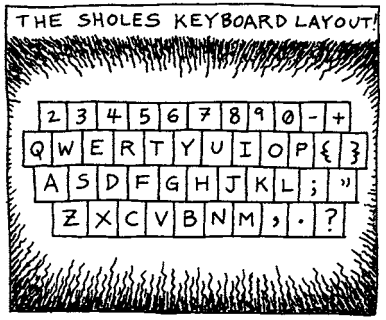

DENSMORE'S BROTHER AMOS, AN EDUCATOR, PREPARED DATA ON COMMON LETTER PAIRS, OR "DIGRAPHS."
AS YOU CAN SEE HERE...
"WH" "AT" "AB" "AD" "ID" "EA"

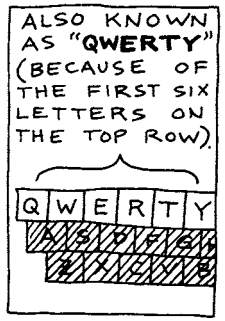

USING THIS DATA, SHOLES MOVED THE KEYS AROUND EXPERIMENTALLY WHILE TRYING TO SEPARATE AS MANY DIGRAPHS AS POSSIBLE.
THIS IS KIND OF FUN!
TOTALLY RANDOM

HE DECIDED HIS NEW KEYBOARD WOULD NOT NEED A NUMBER 1 KEY
THEY CAN JUST TYPE AN I INSTEAD!

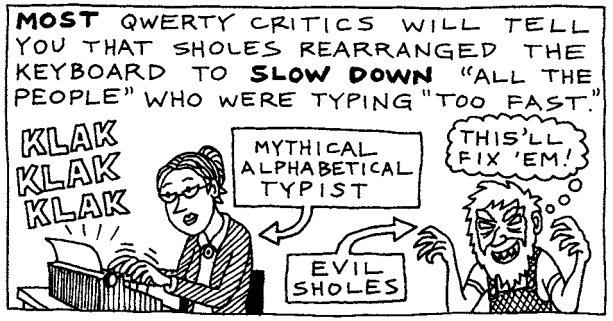

AND SUPPOSEDLY DENSMORE SUGGESTED HE PUT ALL THE LETTERS IN THE WORD "TYPEWRITER" ON THE TOP ROW.
HA HA! GOOD IDEA!
IT'LL AID THE SALESMEN LATER ON...

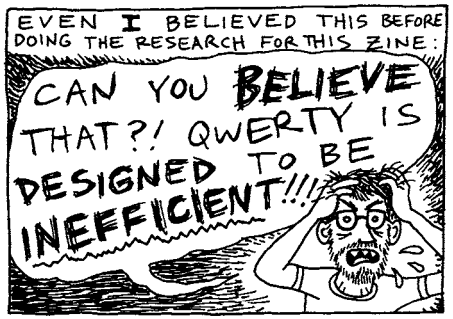
THUS WAS CREATED...


THE SHOLES KEYBOARD LAYOUT!
2 3 4 5 6 7 8 9 0 - +
Q W E R T Y U I O P { }
A S D F G H J K L ; "
Z X C V B N M , . ?

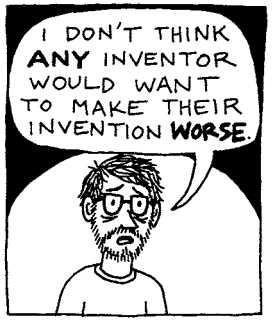

ALSO KNOWN AS "QWERTY" (BECAUSE OF THE FIRST SIX LETTERS ON THE TOP ROW).
Q W E R T Y

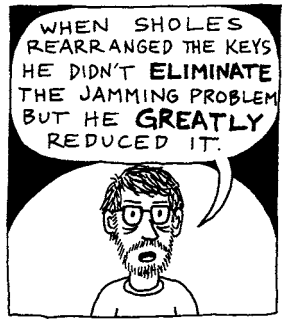
NOW HOLD ON FOR A SECOND. I WANT TO REINFORCE SOMETHING HERE.

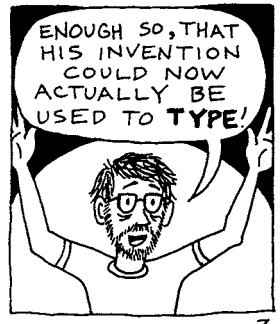

MOST QWERTY CRITICS WILL TELL YOU THAT SHOLES REARRANGED THE KEYBOARD TO SLOW DOWN "ALL THE PEOPLE" WHO WERE TYPING "TOO FAST."
KLAK KLAK KLAK
MYTHICAL ALPHABETICAL TYPIST
THIS'LL FIX 'EM!
EVIL SHOLES


EVEN I BELIEVED THIS BEFORE DOING THE RESEARCH FOR THIS ZINE:
CAN YOU BELIEVE THAT?! QWERTY IS DESIGNED TO BE INEFFICIENT!!!

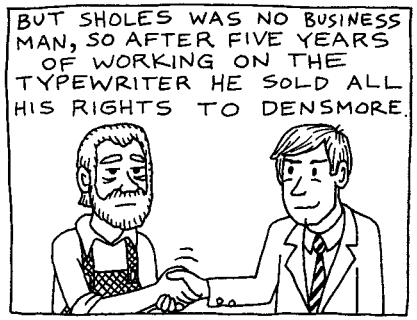
BUT CHECK IT OUT, THERE WERE NO TYPISTS TO SLOW DOWN! SHOLES DEVELOPED QWERTY BEFORE TYPEWRITERS WERE EVEN AVAILABLE TO THE PUBLIC!

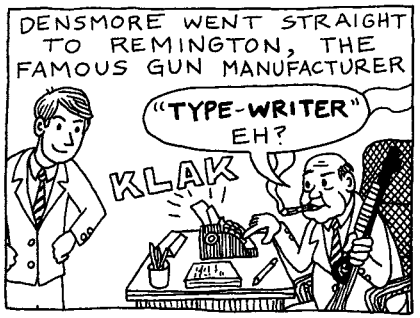

I DON'T THINK ANY INVENTOR WOULD WANT TO MAKE THEIR INVENTION WORSE.

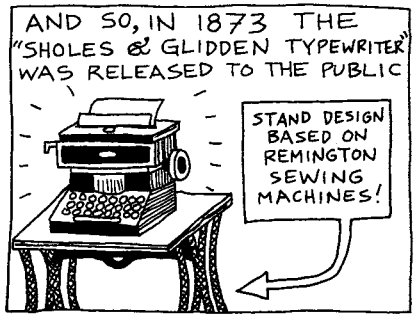

WHEN SHOLES REARRANGED THE KEYS HE DIDN'T ELIMINATE THE JAMMING PROBLEM BUT HE GREATLY REDUCED IT.


ENOUGH SO, THAT HIS INVENTION COULD NOW ACTUALLY BE USED TO TYPE!

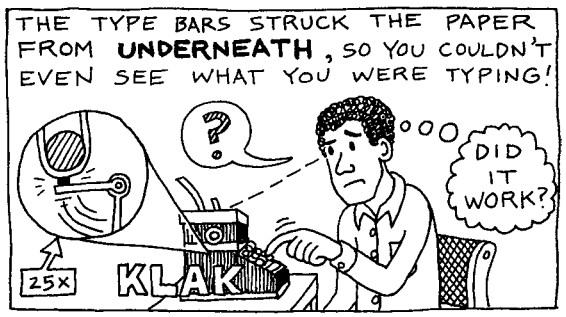
WITH THE COMPLETION OF THE NEW PROTOTYPE, SHOLES'S TEAM TURNED FROM DESIGN TO PRODUCTION.
YAWN

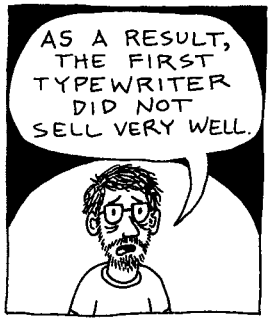

BUT SHOLES WAS NO BUSINESS MAN, SO AFTER FIVE YEARS OF WORKING ON THE TYPEWRITER HE SOLD ALL HIS RIGHTS TO DENSMORE.

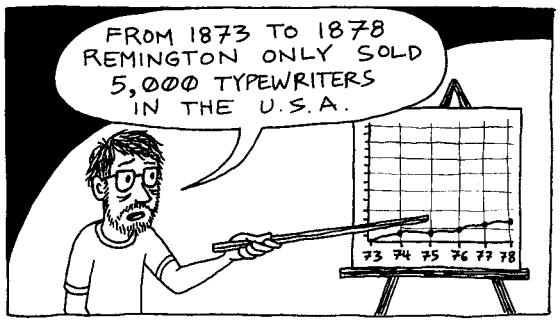

DENSMORE WENT STRAIGHT TO REMINGTON, THE FAMOUS GUN MANUFACTURER
"TYPE-WRITER" EH?
KLAK

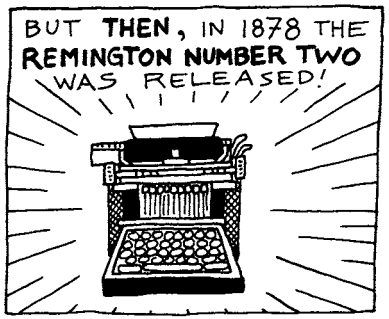

AND SO, IN 1873 THE "SHOLES & GLIDDEN TYPEWRITER" WAS RELEASED TO THE PUBLIC
STAND DESIGN BASED ON REMINGTON SEWING MACHINES!

THESE FIRST TYPEWRITERS WERE PRETTY AWKWARD TO USE.

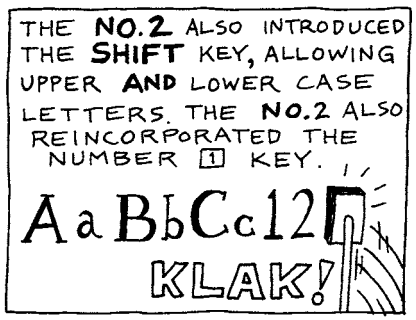

THE TYPE BARS STRUCK THE PAPER FROM UNDERNEATH, SO YOU COULDN'T EVEN SEE WHAT YOU WERE TYPING!
?
DID IT WORK?
25x
KLAK

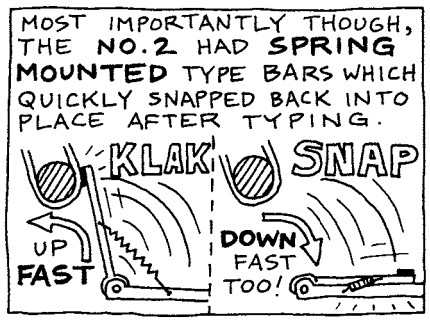

AS A RESULT, THE FIRST TYPEWRITER DID NOT SELL VERY WELL.

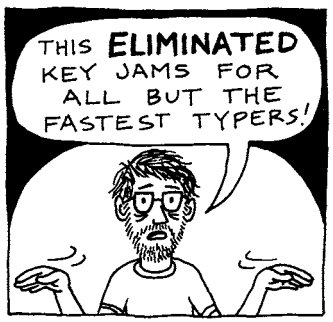

FROM 1873 TO 1878 REMINGTON ONLY SOLD 5,000 TYPEWRITERS IN THE U.S.A.
73 74 75 76 77 78

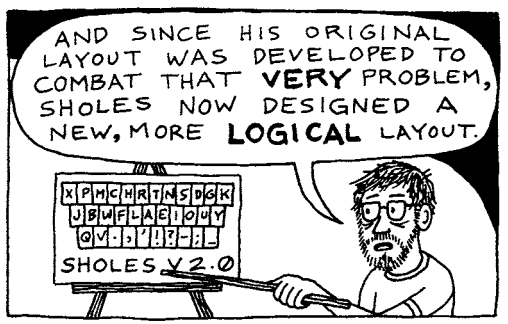

BUT THEN, IN 1878 THE REMINGTON NUMBER TWO WAS RELEASED!

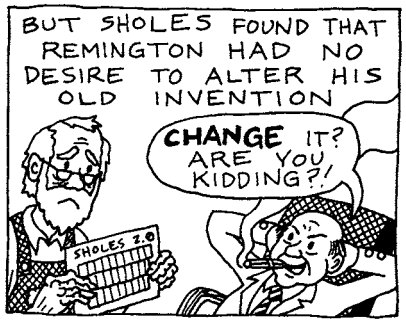
THE NO.2 HAD LOTS OF IMPROVEMENTS, INCLUDING THE ABILITY TO SEE WHAT YOU WERE TYPING!
KLAK
OH! NOW I GET IT. IT PRINTS LITTLE LETTERS!

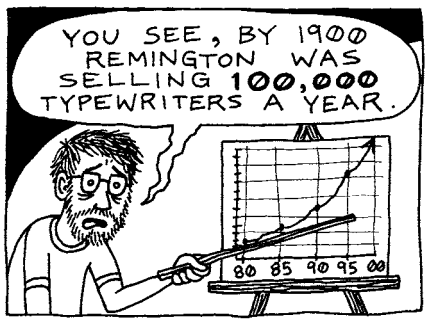

THE NO.2 ALSO INTRODUCED THE SHIFT KEY, ALLOWING UPPER AND LOWER CASE LETTERS. THE NO.2 ALSO REINCORPORATED THE NUMBER 1 KEY.
Aa Bb Cc 12
KLAK!


MOST IMPORTANTLY THOUGH, THE NO.2 HAD SPRING MOUNTED TYPE BARS WHICH QUICKLY SNAPPED BACK INTO PLACE AFTER TYPING.
KLAK
SNAP
UP FAST
DOWN FAST TOO!

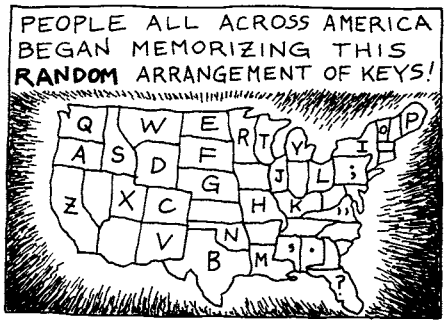

THIS ELIMINATED KEY JAMS FOR ALL BUT THE FASTEST TYPERS!


AND SINCE HIS ORIGINAL LAYOUT WAS DEVELOPED TO COMBAT THAT VERY PROBLEM, SHOLES NOW DESIGNED A NEW, MORE LOGICAL LAYOUT.
SHOLES V2.0

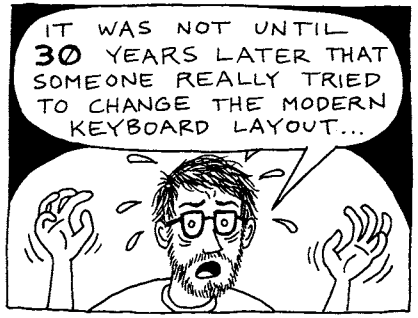

BUT SHOLES FOUND THAT REMINGTON HAD NO DESIRE TO ALTER HIS OLD INVENTION
CHANGE IT? ARE YOU KIDDING?!
SHOLES 2.0

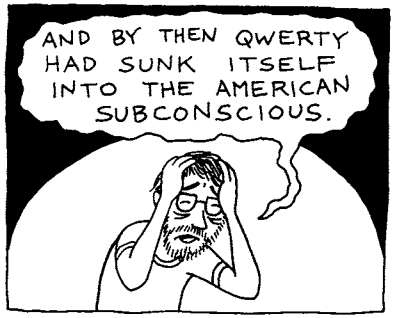

YOU SEE, BY 1900 REMINGTON WAS SELLING 100,000 TYPEWRITERS A YEAR.
80 85 90 95 00

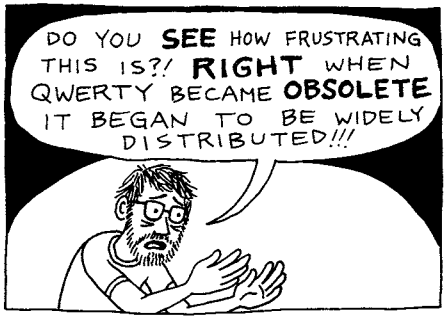
AND EVERY SINGLE ONE OF THOSE MILLIONS OF TYPEWRITERS WAS SOLD WITH THE QWERTY KEYBOARD LAYOUT!!!


PEOPLE ALL ACROSS AMERICA BEGAN MEMORIZING THIS RANDOM ARRANGEMENT OF KEYS!

PRETTY SOON PEOPLE HAD DEVELOPED METHODS TO TOUCH TYPE WITH ALL TEN FINGERS!
KLAK

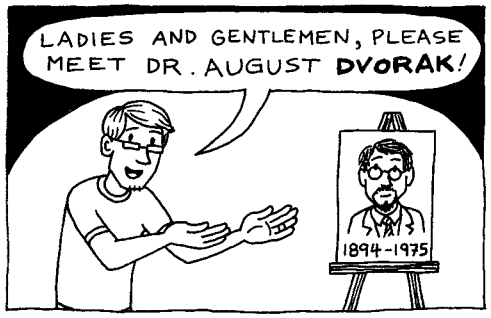

IT WAS NOT UNTIL 30 YEARS LATER THAT SOMEONE REALLY TRIED TO CHANGE THE MODERN KEYBOARD LAYOUT...


AND BY THEN QWERTY HAD SUNK ITSELF INTO THE AMERICAN SUBCONSCIOUS.

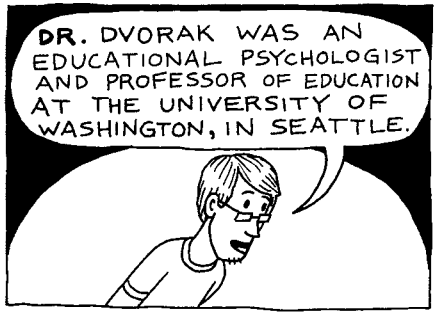

DO YOU SEE HOW FRUSTRATING THIS IS?! RIGHT WHEN QWERTY BECAME OBSOLETE IT BEGAN TO BE WIDELY DISTRIBUTED!!!

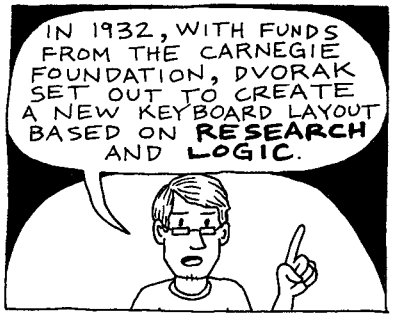
FRUNCH!
YEAH?

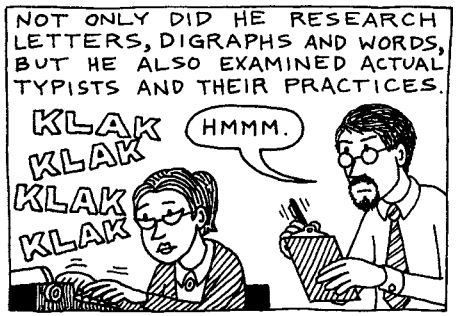
TAKE OVER FOR ME. I'M GETTING SO DEPRESSED.

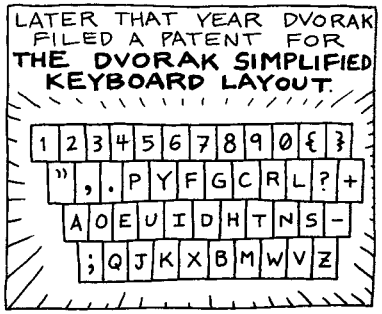

LADIES AND GENTLEMEN, PLEASE MEET DR. AUGUST DVORAK!
1894-1975

A DISTANT RELATIVE OF THE FAMOUS CZECH COMPOSER ANTONIN DVORAK!


DR. DVORAK WAS AN EDUCATIONAL PSYCHOLOGIST AND PROFESSOR OF EDUCATION AT THE UNIVERSITY OF WASHINGTON, IN SEATTLE.

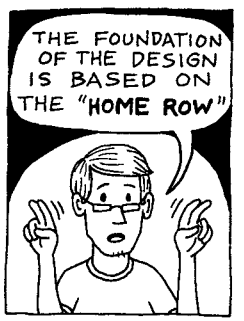

IN 1932, WITH FUNDS FROM THE CARNEGIE FOUNDATION, DVORAK SET OUT TO CREATE A NEW KEYBOARD LAYOUT BASED ON RESEARCH AND LOGIC.

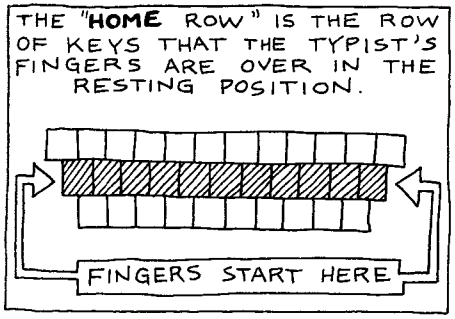

NOT ONLY DID HE RESEARCH LETTERS, DIGRAPHS AND WORDS, BUT HE ALSO EXAMINED ACTUAL TYPISTS AND THEIR PRACTICES.
KLAK
HMMM.

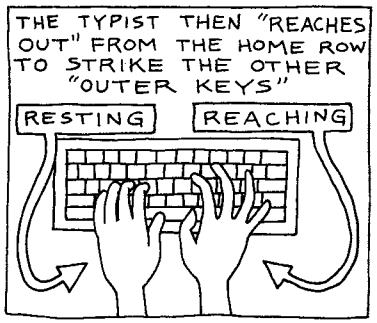

LATER THAT YEAR DVORAK FILED A PATENT FOR THE DVORAK SIMPLIFIED KEYBOARD LAYOUT.
1 2 3 4 5 6 7 8 9 0 { }
" , . P Y F G C R L ? +
A O E U I D H T N S -
; Q J K X B M W V Z

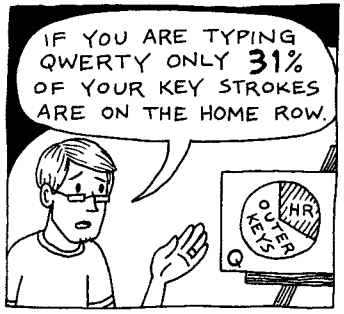
HOORAY!
ALEC, SHHH!

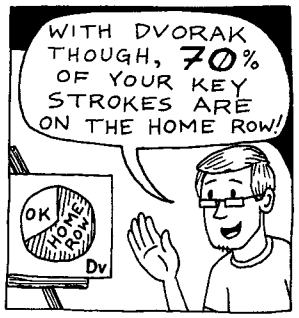
UM :COUGH: SO LET'S TAKE A LOOK AT THE LOGIC BEHIND DVORAK'S LAYOUT.


THE FOUNDATION OF THE DESIGN IS BASED ON THE "HOME ROW"

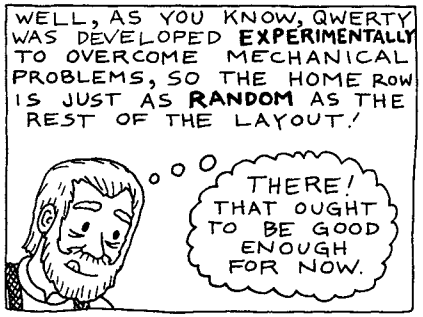

THE "HOME ROW" IS THE ROW OF KEYS THAT THE TYPIST'S FINGERS ARE OVER IN THE RESTING POSITION.
FINGERS START HERE

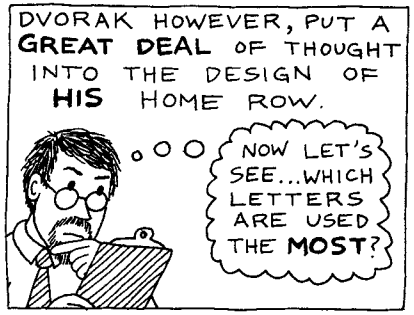

THE TYPIST THEN "REACHES OUT" FROM THE HOME ROW TO STRIKE THE OTHER "OUTER KEYS"
RESTING
REACHING

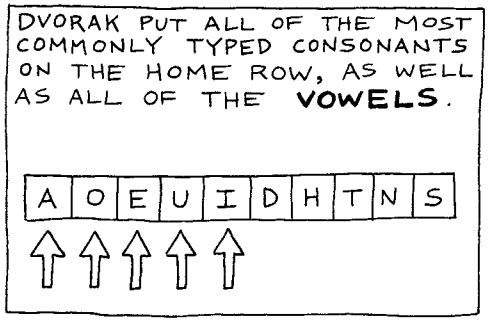

IF YOU ARE TYPING QWERTY ONLY 31% OF YOUR KEY STROKES ARE ON THE HOME ROW.
OUTER KEYS
HR
Q

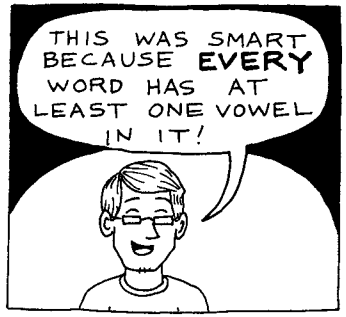

WITH DVORAK THOUGH, 70% OF YOUR KEY STROKES ARE ON THE HOME ROW!
OK
HOME ROW
Dv

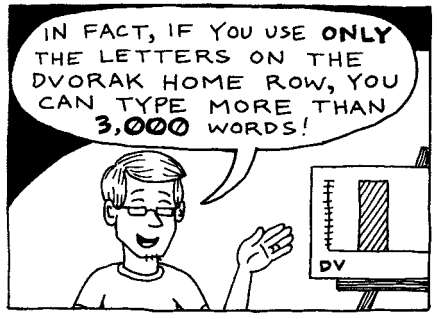
HOW IS THAT POSSIBLE?

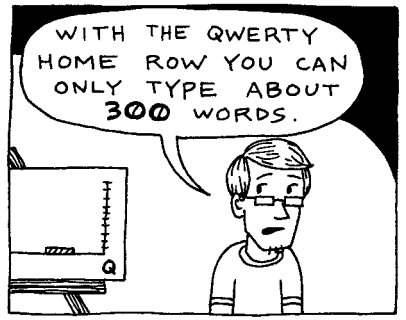

WELL, AS YOU KNOW, QWERTY WAS DEVELOPED EXPERIMENTALLY TO OVERCOME MECHANICAL PROBLEMS, SO THE HOME ROW IS JUST AS RANDOM AS THE REST OF THE LAYOUT!
THERE! THAT OUGHT TO BE GOOD ENOUGH FOR NOW.

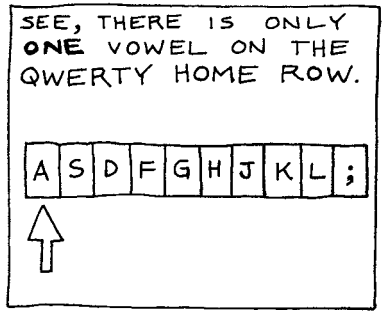

DVORAK HOWEVER, PUT A GREAT DEAL OF THOUGHT INTO THE DESIGN OF HIS HOME ROW.
NOW LET'S SEE...WHICH LETTERS ARE USED THE MOST?

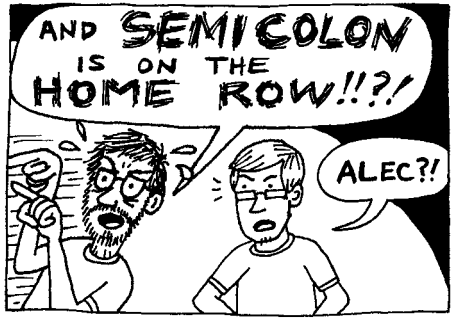

DVORAK PUT ALL OF THE MOST COMMONLY TYPED CONSONANTS ON THE HOME ROW, AS WELL AS ALL OF THE VOWELS.
A O E U I D H T N S

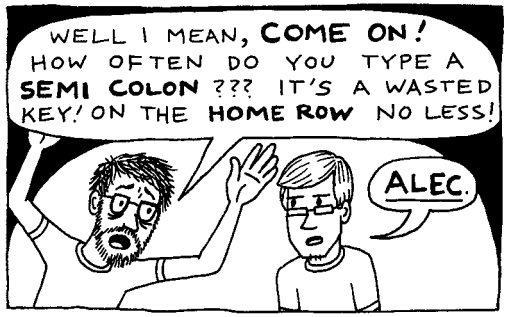

THIS WAS SMART BECAUSE EVERY WORD HAS AT LEAST ONE VOWEL IN IT!


IN FACT, IF YOU USE ONLY THE LETTERS ON THE DVORAK HOME ROW, YOU CAN TYPE MORE THAN 3,000 WORDS!
DV


WITH THE QWERTY HOME ROW YOU CAN ONLY TYPE ABOUT 300 WORDS.
Q


SEE, THERE IS ONLY ONE VOWEL ON THE QWERTY HOME ROW.
A S D F G H J K L ;

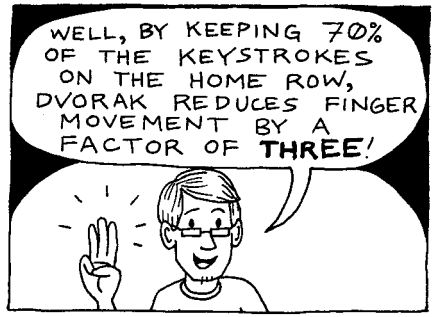

AND SEMICOLON IS ON THE HOME ROW!!?!
ALEC?!

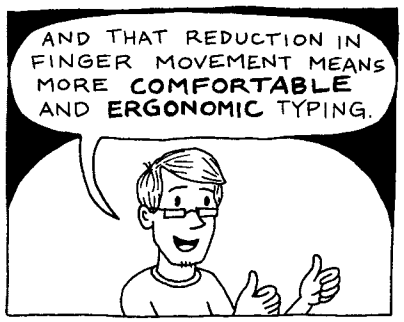

WELL I MEAN, COME ON! HOW OFTEN DO YOU TYPE A SEMI COLON ??? IT'S A WASTED KEY! ON THE HOME ROW NO LESS!
ALEC.

SIGH
OKAY, OKAY. SORRY I INTERRUPTED.

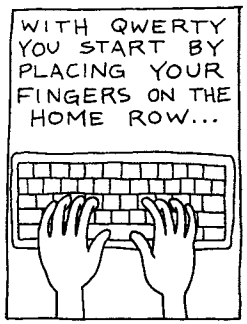
COUGH
NOW WHERE WAS I?

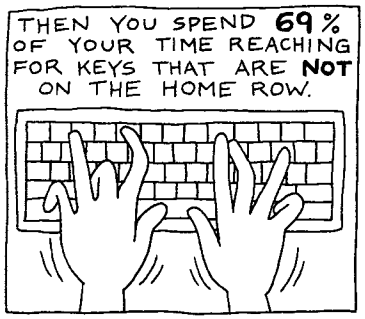
OH, RIGHT! THE HOME ROW.


WELL, BY KEEPING 70% OF THE KEYSTROKES ON THE HOME ROW, DVORAK REDUCES FINGER MOVEMENT BY A FACTOR OF THREE!


AND THAT REDUCTION IN FINGER MOVEMENT MEANS MORE COMFORTABLE AND ERGONOMIC TYPING.

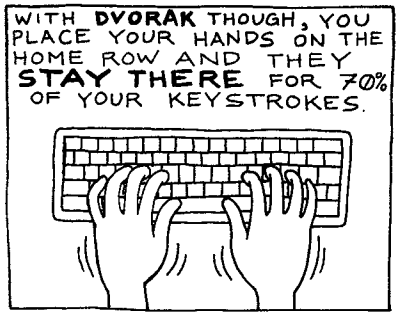
THINK ABOUT IT!

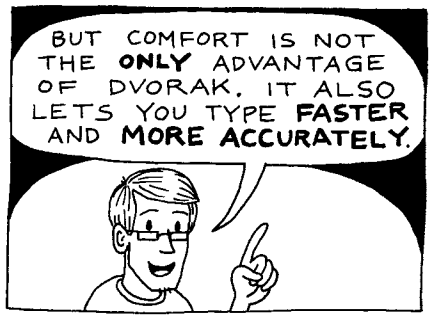

WITH QWERTY YOU START BY PLACING YOUR FINGERS ON THE HOME ROW...

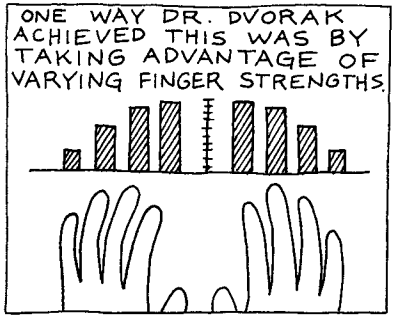

THEN YOU SPEND 69% OF YOUR TIME REACHING FOR KEYS THAT ARE NOT ON THE HOME ROW.

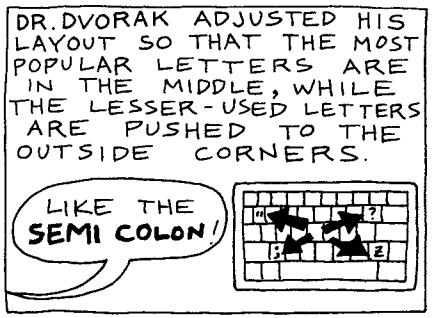
THAT'S WHY SO MANY QWERTY TYPISTS DEVELOP REPETITIVE STRESS INJURIES!
OUCH!

QWERTY IS SIMPLY UNCOMFORTABLE TO TYPE!


WITH DVORAK THOUGH, YOU PLACE YOUR HANDS ON THE HOME ROW AND THEY STAY THERE FOR 70% OF YOUR KEYSTROKES.

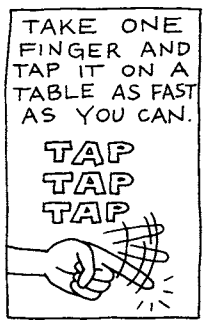

BUT COMFORT IS NOT THE ONLY ADVANTAGE OF DVORAK. IT ALSO LETS YOU TYPE FASTER AND MORE ACCURATELY.


ONE WAY DR. DVORAK ACHIEVED THIS WAS BY TAKING ADVANTAGE OF VARYING FINGER STRENGTHS.


DR. DVORAK ADJUSTED HIS LAYOUT SO THAT THE MOST POPULAR LETTERS ARE IN THE MIDDLE, WHILE THE LESSER-USED LETTERS ARE PUSHED TO THE OUTSIDE CORNERS.
LIKE THE SEMI COLON!

DURING HIS RESEARCH, DR. DVORAK ALSO DISCOVERED THAT PEOPLE CAN TYPE MUCH FASTER WHEN THEY ALTERNATE BETWEEN HANDS.
KLAK
KLAK
KLAK
HMM!

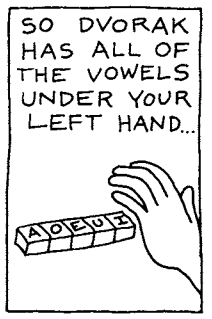
YOU CAN EASILY SEE THIS FOR YOURSELF.

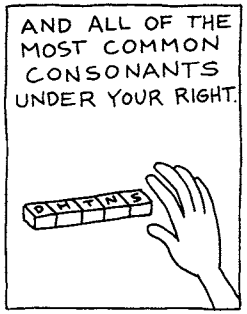

TAKE ONE FINGER AND TAP IT ON A TABLE AS FAST AS YOU CAN.
TAP
TAP
TAP

NOW TAKE ONE FINGER FROM EACH HAND AND TAP THEM ALTERNATELY.

TAP-A-T
AP-A-TA
TAPPITY
TAP-TAP
TAP-A-T

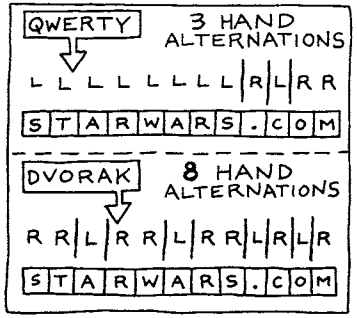
SEE?

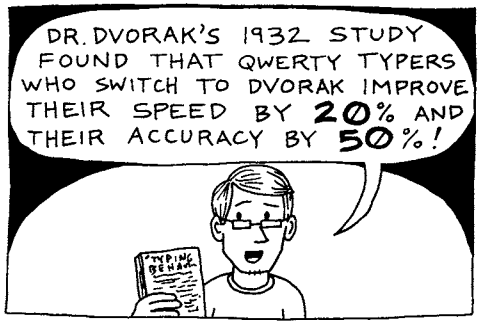

SO DVORAK HAS ALL OF THE VOWELS UNDER YOUR LEFT HAND...
A O E U I


AND ALL OF THE MOST COMMON CONSONANTS UNDER YOUR RIGHT.
D H T N S

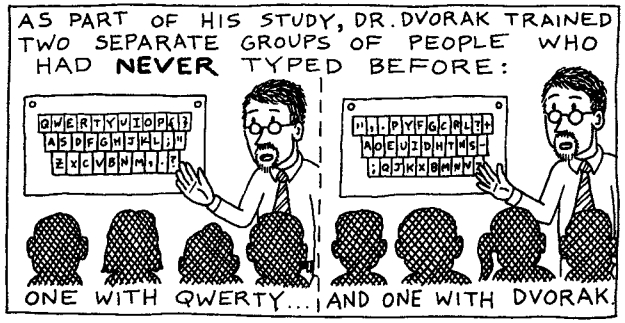
THAT PRACTICALLY GUARANTEES AT LEAST ONE ALTERNATION PER WORD.
L
R

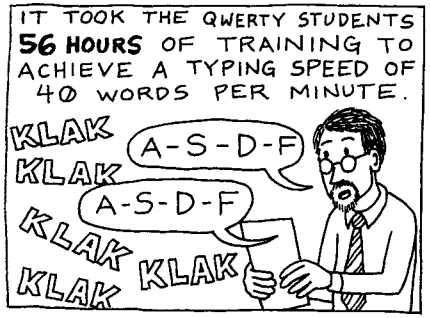
LET'S TAKE AN EXAMPLE...
HEY ALEC, WHAT'S SOMETHING YOU TYPE EVERY DAY?
STARWARS.COM!

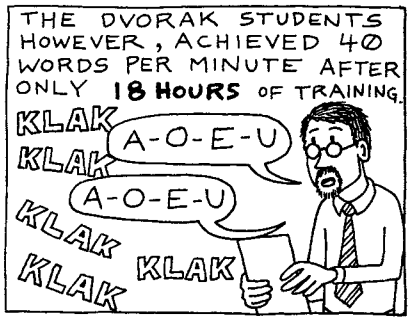

QWERTY
3 HAND ALTERNATIONS
L L L L L L L L L R L R R
S T A R W A R S . C O M
DVORAK
8 HAND ALTERNATIONS
R R L R R L R R L R L R
S T A R W A R S . C O M


DR. DVORAK'S 1932 STUDY FOUND THAT QWERTY TYPERS WHO SWITCH TO DVORAK IMPROVE THEIR SPEED BY 20% AND THEIR ACCURACY BY 50%!

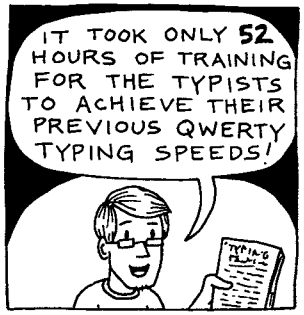
DVORAK IS ALSO EASIER TO LEARN!

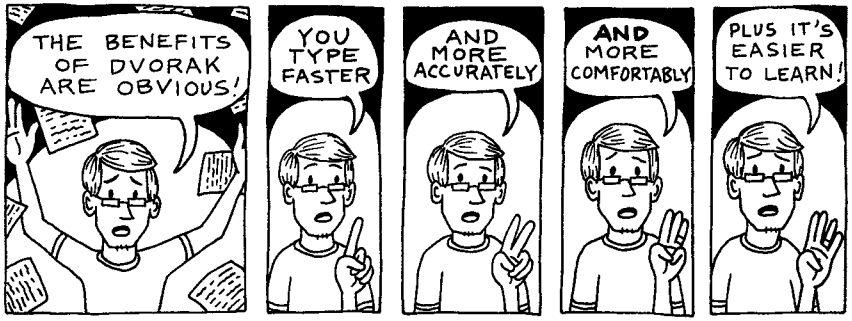

AS PART OF HIS STUDY, DR. DVORAK TRAINED TWO SEPARATE GROUPS OF PEOPLE WHO HAD **NEVER** TYPED BEFORE:
ONE WITH QWERTY...
AND ONE WITH DVORAK.


IT TOOK THE QWERTY STUDENTS **56 HOURS** OF TRAINING TO ACHIEVE A TYPING SPEED OF 40 WORDS PER MINUTE.
KLAK
A-S-D-F
A-S-D-F

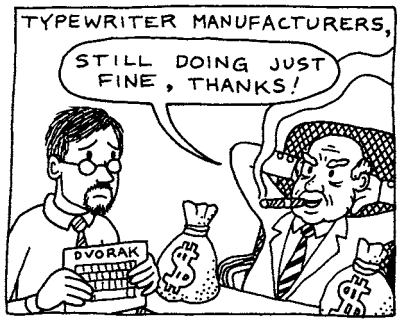

THE DVORAK STUDENTS HOWEVER, ACHIEVED 40 WORDS PER MINUTE AFTER ONLY **18 HOURS** OF TRAINING.
KLAK
A-O-E-U
A-O-E-U

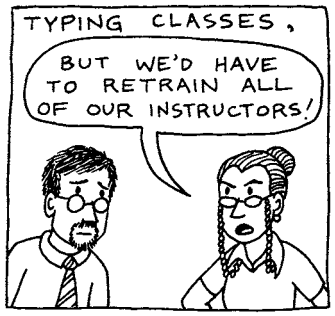
DR. DVORAK ALSO TOOK A **THIRD** GROUP OF PEOPLE, WHO WERE ALREADY PROFICIENT QWERTY TYPISTS AND RETRAINED THEM USING THE DVORAK LAYOUT.
THIS IS MY NEW **SIMPLIFIED** KEYBOARD LAYOUT.

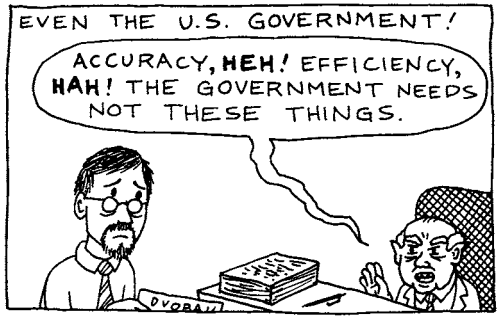

IT TOOK ONLY **52** HOURS OF TRAINING FOR THE TYPISTS TO ACHIEVE THEIR PREVIOUS QWERTY TYPING SPEEDS!


THE BENEFITS OF DVORAK ARE OBVIOUS!
YOU TYPE FASTER
AND MORE ACCURATELY
AND MORE COMFORTABLY
PLUS IT'S EASIER TO LEARN!

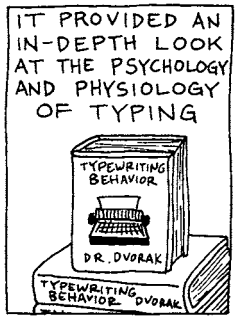
EVEN SO, DR. DVORAK MET WITH GREAT RESISTANCE EVERYWHERE HE TRIED TO IMPLEMENT HIS NEW CREATION...


TYPEWRITER MANUFACTURERS,
STILL DOING JUST FINE, THANKS!
DVORAK

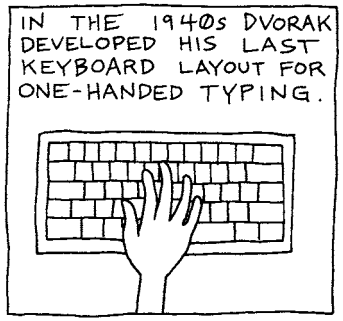

TYPING CLASSES,
BUT WE'D HAVE TO RETRAIN ALL OF OUR INSTRUCTORS!

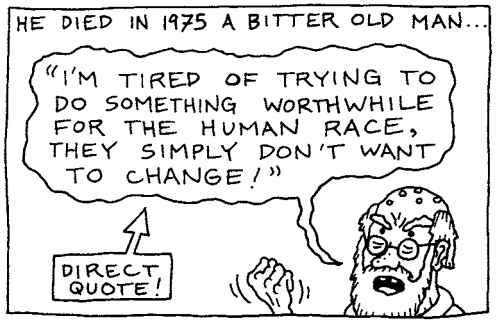

EVEN THE U.S. GOVERNMENT!
ACCURACY, **HEH!** EFFICIENCY, **HAH!** THE GOVERNMENT NEEDS NOT THESE THINGS.

IN 1936 DR. DVORAK TRIED TO GAIN SOME PUBLIC INTEREST IN HIS LAYOUT BY WRITING THE BOOK "TYPE WRITING BEHAVIOR."
KLAK
HE TYPED IT USING DVORAK!


IT PROVIDED AN IN-DEPTH LOOK AT THE PSYCHOLOGY AND PHYSIOLOGY OF TYPING
TYPEWRITING BEHAVIOR
DR. DVORAK

IT'S NOW OUT OF PRINT.

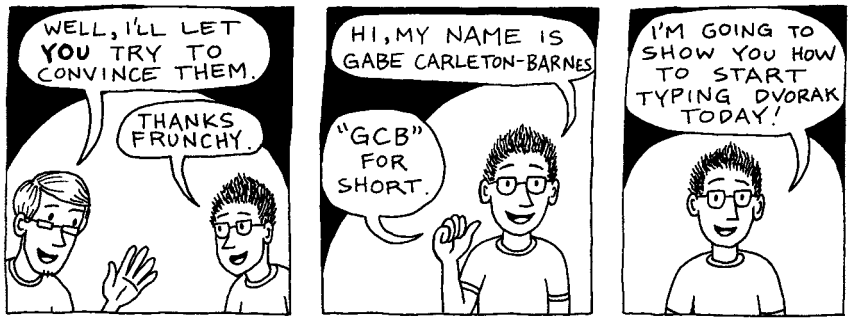

IN THE 1940s DVORAK DEVELOPED HIS LAST KEYBOARD LAYOUT FOR ONE-HANDED TYPING.

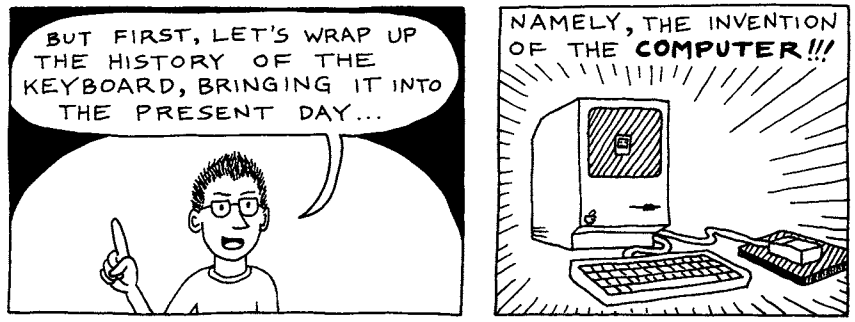

HE DIED IN 1975 A BITTER OLD MAN...
"I'M TIRED OF TRYING TO DO SOMETHING WORTHWHILE FOR THE HUMAN RACE, THEY SIMPLY DON'T WANT TO CHANGE!"
DIRECT QUOTE!

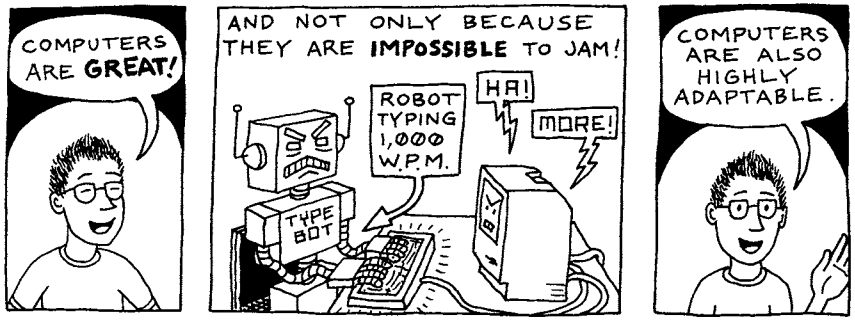
IN 1982, SEVEN YEARS AFTER HIS DEATH DR. DVORAK'S SIMPLIFIED KEYBOARD LAYOUT WAS **OFFICIALLY** RECOGNIZED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE.
DVORAK 1894-1975
THAT AT LEAST MADE SURE THAT DVORAK WOULD NOT BE **FORGOTTEN**.

AW, FRUNCHY... IT'S OKAY!
IT'S SO FRUSTRATING THOUGH GCB! IT'S A **BETTER** LAYOUT AND PEOPLE **STILL** DON'T USE IT!

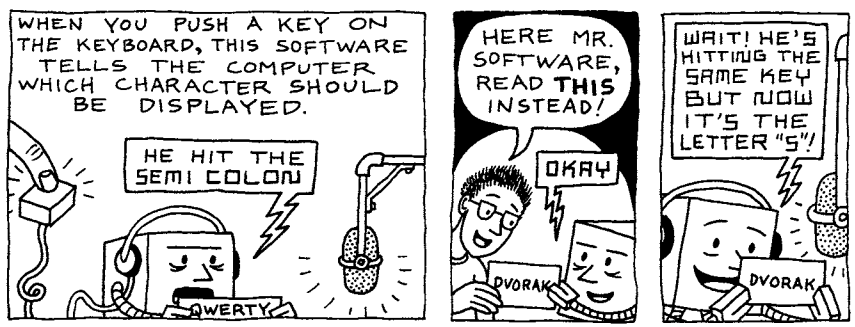
BUT THERE IS STILL **HOPE** FRUNCH!
NEW PEOPLE ARE LEARNING ABOUT DVORAK EVERY DAY!
COUGH
COUGH


WELL, I'LL LET **YOU** TRY TO CONVINCE THEM.
THANKS FRUNCHY.
HI, MY NAME IS GABE CARLETON-BARNES
"GCB" FOR SHORT.
I'M GOING TO SHOW YOU HOW TO START TYPING DVORAK TODAY!

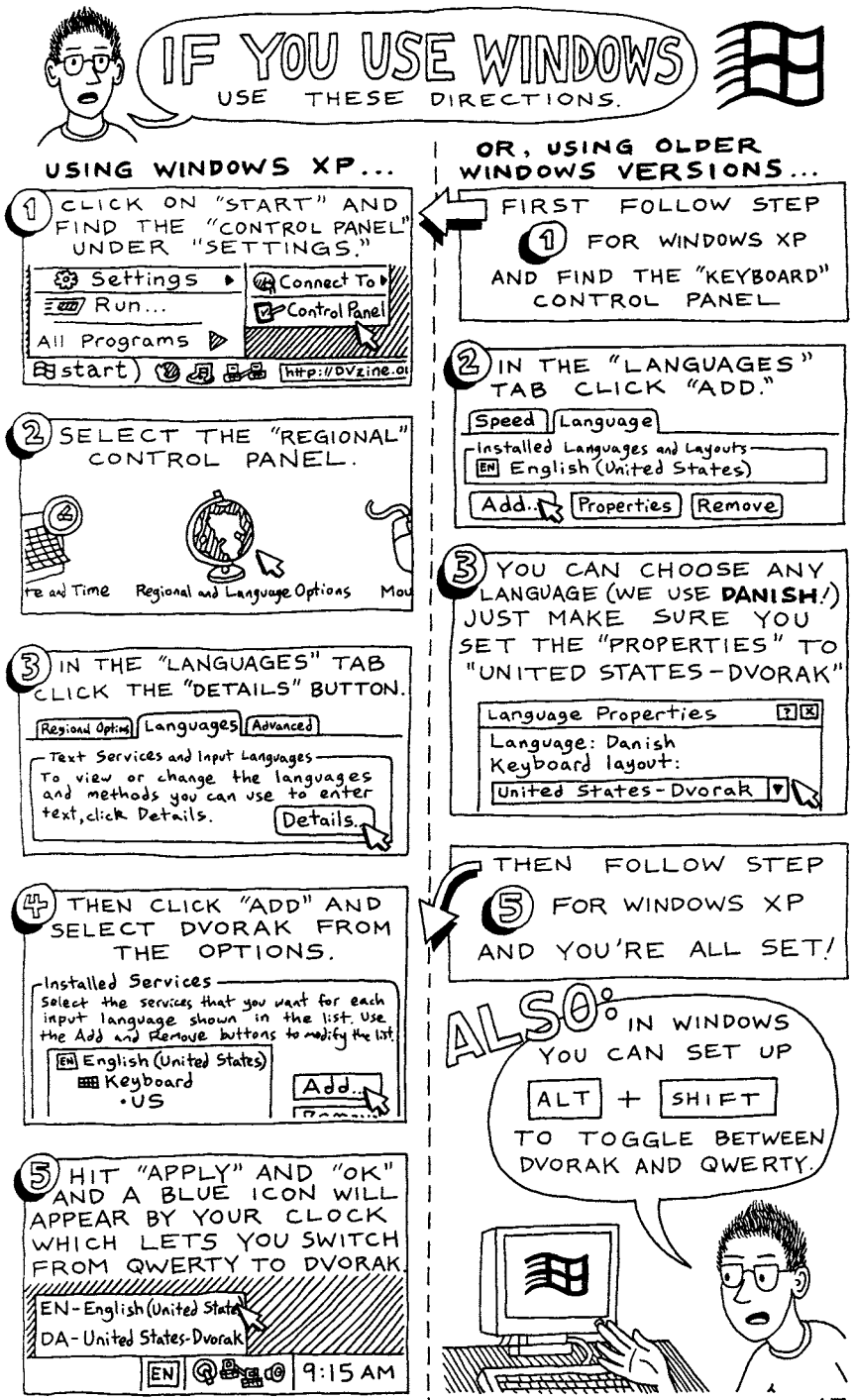

BUT FIRST, LET'S WRAP UP THE HISTORY OF THE KEYBOARD, BRINGING IT INTO THE PRESENT DAY...
NAMELY, THE INVENTION OF THE **COMPUTER!!!**


COMPUTERS ARE **GREAT!**
AND NOT ONLY BECAUSE THEY ARE **IMPOSSIBLE** TO JAM!
ROBOT TYPING 1,000 W.P.M.
HA!
MORE!
TYPE BOT
COMPUTERS ARE ALSO HIGHLY ADAPTABLE.

TO CHANGE THE KEYBOARD LAYOUT ON A **TYPEWRITER** YOU'D HAVE TO PHYSICALLY CHANGE ALL OF THE LETTERS ON THE TYPE BARS!
WHAT A PAIN!
BUT WITH COMPUTERS IT CAN ALL BE DONE SUPER EASILY WITH A PIECE OF **SOFTWARE!**
MR. SOFTWARE


WHEN YOU PUSH A KEY ON THE KEYBOARD, THIS SOFTWARE TELLS THE COMPUTER WHICH CHARACTER SHOULD BE DISPLAYED.
HE HIT THE SEMI COLON
QWERTY
HERE MR. SOFTWARE, READ **THIS** INSTEAD!
OKAY
DVORAK
WAIT! HE'S HITTING THE SAME KEY BUT NOW IT'S THE LETTER "S"!
DVORAK

IT'S JUST THAT EASY!
WELL... FOR THE COMPUTER.
BUT ACTUALLY, IT'S NOT TOO HARD FOR US HUMANS EITHER!
BECAUSE DVORAK IS AN OFFICIALLY RECOGNIZED KEYBOARD LAYOUT IT NOW SHIPS WITH EVERY PERSONAL COMPUTER!
HOORAY FOR THE A.N.S.I.!
IT DOESN'T MATTER IF YOU ARE USING A MAC, WINDOWS OR EVEN RUNNING LINUX! DVORAK IS ALREADY ON YOUR COMPUTER RIGHT NOW!
YOU JUST HAVE TO SET IT FREE!
OR, WELL... SET IT UP!
BUT I CAN SHOW YOU HOW TO DO THAT! IT'S NOT TOO DIFFICULT...
SERIOUSLY FOLKS, GABE IS PRETTY GOOD AT EXPLAINING THIS STUFF. IT'S HOW HE MAKES HIS LIVING!
HEH... COUGH THANKS ALEC.
OKAY, NOW PLEASE TAKE THIS ZINE OVER TO YOUR COMPUTER!

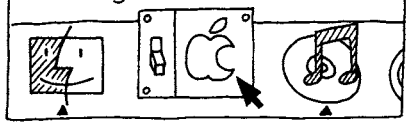

IF YOU USE WINDOWS USE THESE DIRECTIONS.
USING WINDOWS XP...
1 CLICK ON "START" AND FIND THE "CONTROL PANEL" UNDER "SETTINGS."
Settings
Run...
All Programs
Connect To
Control Panel
start
http://DVzine.or
2 SELECT THE "REGIONAL" CONTROL PANEL.
Regional and Language Options
3 IN THE "LANGUAGES" TAB CLICK THE "DETAILS" BUTTON.
Regional Options
Languages
Advanced
Text Services and Input Languages
To view or change the languages and methods you can use to enter text, click Details.
Details...
4 THEN CLICK "ADD" AND SELECT DVORAK FROM THE OPTIONS.
Installed Services
Select the services that you want for each input language shown in the list. Use the Add and Remove buttons to modify the list.
EN English (United States)
Keyboard
•US
Add...
5 HIT "APPLY" AND "OK" AND A BLUE ICON WILL APPEAR BY YOUR CLOCK WHICH LETS YOU SWITCH FROM QWERTY TO DVORAK.
EN - English (United States)
DA - United States-Dvorak
EN
9:15 AM
OR, USING OLDER WINDOWS VERSIONS...
FIRST FOLLOW STEP 1 FOR WINDOWS XP AND FIND THE "KEYBOARD" CONTROL PANEL
2 IN THE "LANGUAGES" TAB CLICK "ADD."
Speed
Language
Installed Languages and Layouts
EN English (United States)
Add...
Properties
Remove
3 YOU CAN CHOOSE ANY LANGUAGE (WE USE DANISH!) JUST MAKE SURE YOU SET THE "PROPERTIES" TO "UNITED STATES-DVORAK"
Language Properties
Language: Danish
Keyboard layout:
United States-Dvorak
THEN FOLLOW STEP 5 FOR WINDOWS XP AND YOU'RE ALL SET!
ALSO: IN WINDOWS YOU CAN SET UP
ALT + SHIFT
TO TOGGLE BETWEEN DVORAK AND QWERTY.

IF YOU USE A MAC

USE **THESE** DIRECTIONS!

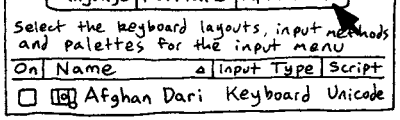
USING MAC OS X...

1. SELECT "SYSTEM PREFERENCES" FROM THE DOCK.

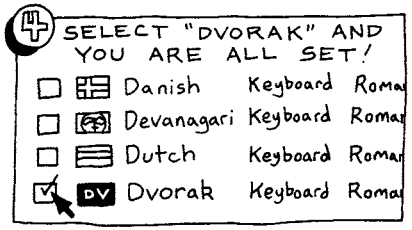


2. NEXT, SELECT THE "INTERNATIONAL" ICON.

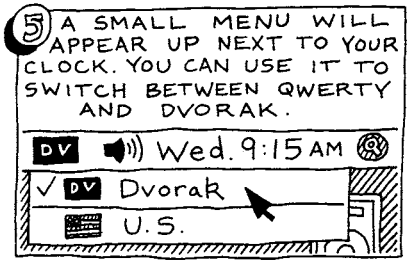
3. UNDER THE "INPUT MENU" TAB YOU WILL FIND A WHOLE SLEW OF LAYOUTS.



4. SELECT "DVORAK" AND YOU ARE ALL SET!

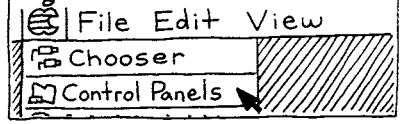


5. A SMALL MENU WILL APPEAR UP NEXT TO YOUR CLOCK. YOU CAN USE IT TO SWITCH BETWEEN QWERTY AND DVORAK.

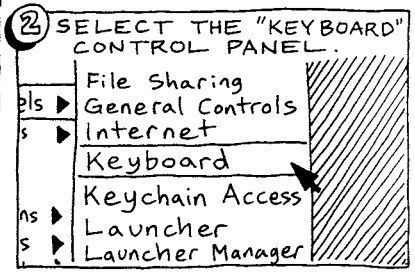


OR, USING OLDER MAC OS VERSIONS...

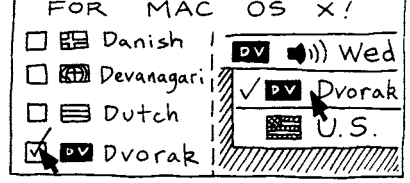
1. IN THE APPLE MENU FIND THE "CONTROL PANELS"



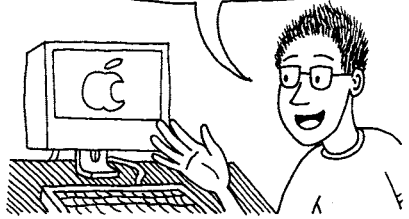
2. SELECT THE "KEYBOARD" CONTROL PANEL.



THEN FOLLOW STEPS 3, 4 & 5 FOR MAC OS X!

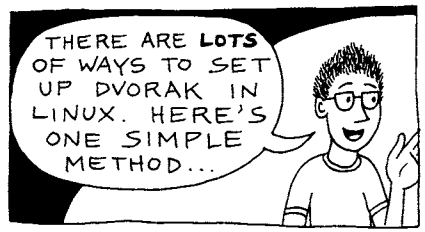


ALSO: WITH MACS YOU CAN SET UP OPTION + & ⌘ + SPACE TO TOGGLE BETWEEN DVORAK AND QWERTY.

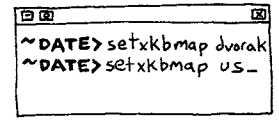


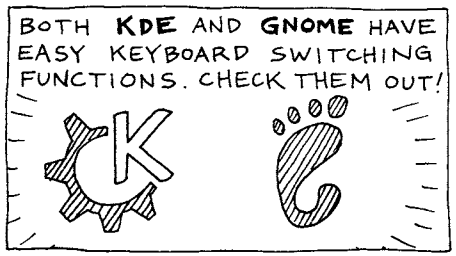
IF YOU USE LINUX

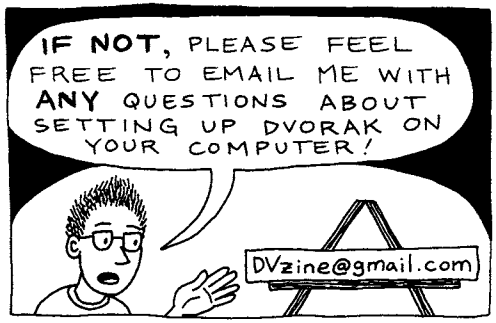
... YOU'RE AWESOME!!!

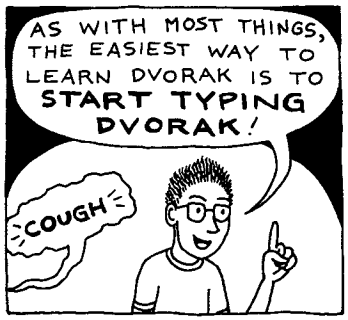


IN XWINDOWS, RUN "SETXKBMAP DVORAK" AND "SETXKBMAP US" TO SWITCH BACK AND FORTH



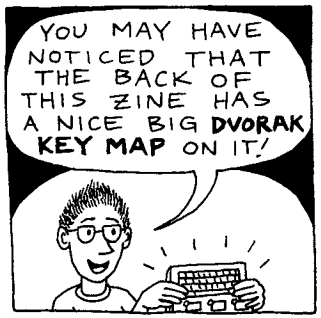




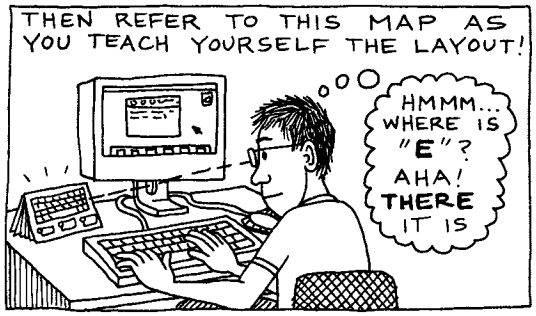

AS WITH MOST THINGS, THE EASIEST WAY TO LEARN DVORAK IS TO START TYPING DVORAK!
COUGH

"BUT GABE!"
"HOW WILL I KNOW WHERE THE LETTERS ARE?"
"I CAN'T LOOK AT THE KEYBOARD, IT'S GOT QWERTY ALL OVER IT!"
SCRIPT

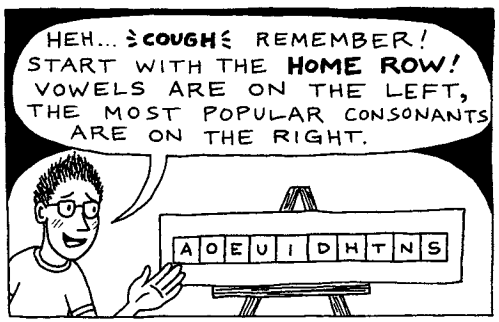
WELL ALEC, IF YOU'VE EVER TAKEN A TYPING CLASS, YOU'LL KNOW THAT YOU'RE NOT SUPPOSED TO LOOK AT YOUR FINGERS.
"I'M NOT???"
SCRIPT

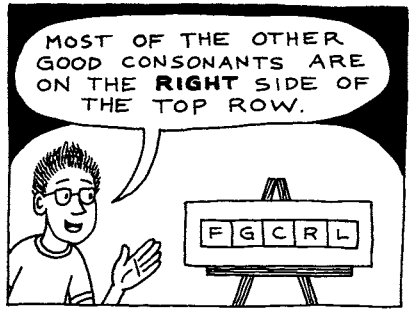

YOU MAY HAVE NOTICED THAT THE BACK OF THIS ZINE HAS A NICE BIG DVORAK KEY MAP ON IT!

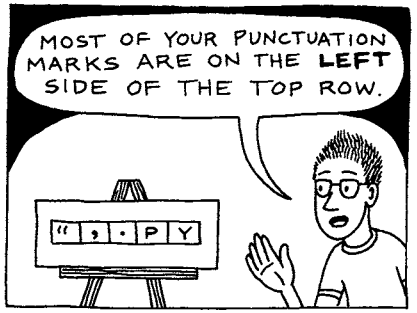
STAND UP THIS ZINE LIKE A TENT NEXT TO YOUR KEYBOARD.

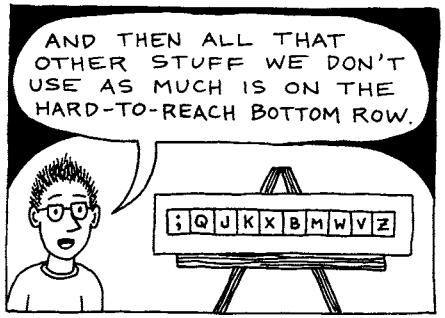

THEN REFER TO THIS MAP AS YOU TEACH YOURSELF THE LAYOUT!
HMMM... WHERE IS "E"? AHA! THERE IT IS

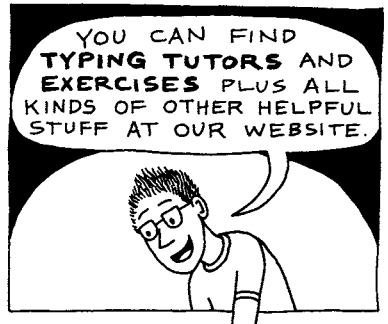
"BUT GABE!"
"THAT'S SO EASY!"
OKAY ALEC... ENOUGH WITH THE SCRIPT!
SCRIPT


HEH... }COUGH{ REMEMBER! START WITH THE HOME ROW! VOWELS ARE ON THE LEFT, THE MOST POPULAR CONSONANTS ARE ON THE RIGHT.
A O E U I D H T N S

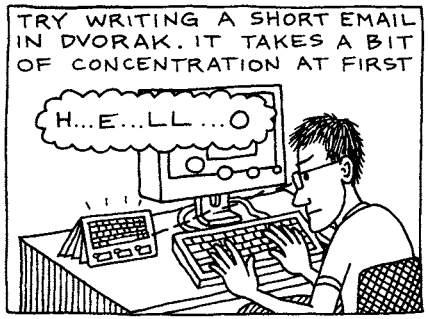

MOST OF THE OTHER GOOD CONSONANTS ARE ON THE RIGHT SIDE OF THE TOP ROW.
F G C R L


MOST OF YOUR PUNCTUATION MARKS ARE ON THE LEFT SIDE OF THE TOP ROW.
" , . P Y

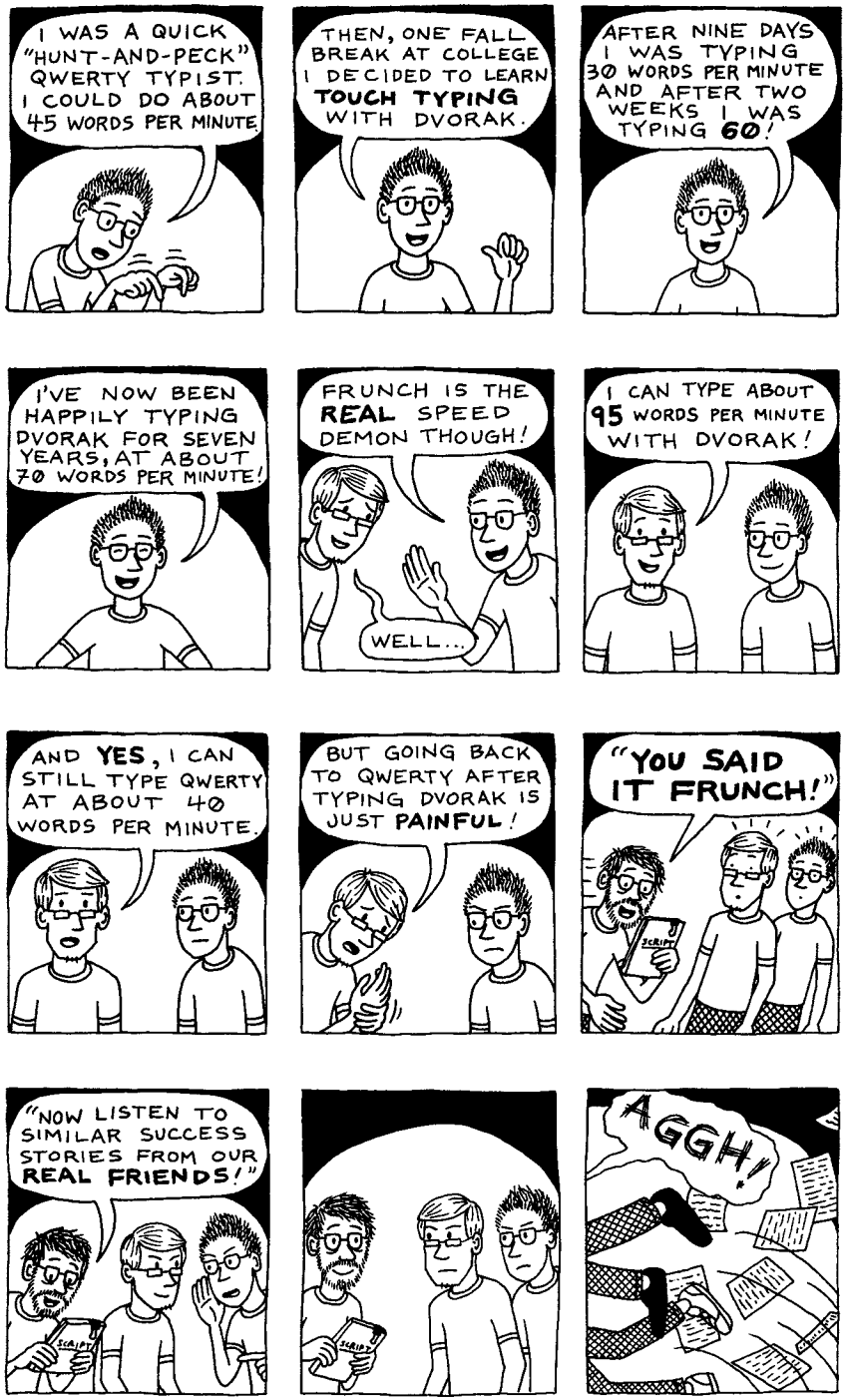

AND THEN ALL THAT OTHER STUFF WE DON'T USE AS MUCH IS ON THE HARD-TO-REACH BOTTOM ROW.
; Q J K X B M W V Z


YOU CAN FIND TYPING TUTORS AND EXERCISES PLUS ALL KINDS OF OTHER HELPFUL STUFF AT OUR WEBSITE.

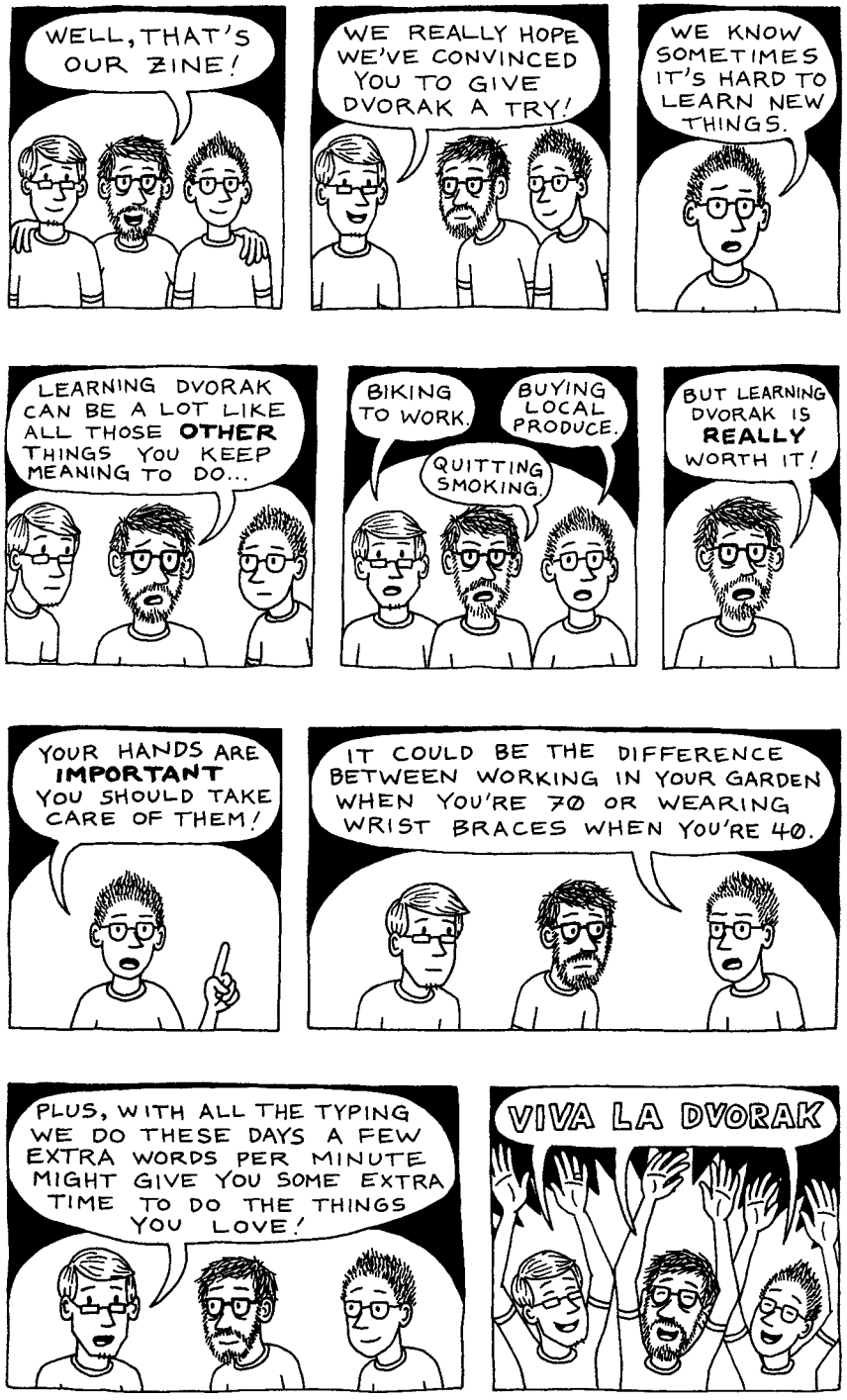
www.DVzine.org
"CHANGING THE WORLD... ONE KEYBOARD AT A TIME"


TRY WRITING A SHORT EMAIL IN DVORAK. IT TAKES A BIT OF CONCENTRATION AT FIRST
H...E...LL...O

BUT PRETTY SOON IT WILL BECOME SECOND NATURE TO YOU!
HAVE...YOU... EVER HEARD OF..."DVORAK?"


I WAS A QUICK "HUNT-AND-PECK" QWERTY TYPIST. I COULD DO ABOUT 45 WORDS PER MINUTE.
THEN, ONE FALL BREAK AT COLLEGE I DECIDED TO LEARN TOUCH TYPING WITH DVORAK.
AFTER NINE DAYS I WAS TYPING 30 WORDS PER MINUTE AND AFTER TWO WEEKS I WAS TYPING 60!
I'VE NOW BEEN HAPPILY TYPING DVORAK FOR SEVEN YEARS, AT ABOUT 70 WORDS PER MINUTE!
FRUNCH IS THE REAL SPEED DEMON THOUGH!
WELL...
I CAN TYPE ABOUT 95 WORDS PER MINUTE WITH DVORAK!
AND YES, I CAN STILL TYPE QWERTY AT ABOUT 40 WORDS PER MINUTE.
BUT GOING BACK TO QWERTY AFTER TYPING DVORAK IS JUST PAINFUL!
"YOU SAID IT FRUNCH!"
"NOW LISTEN TO SIMILAR SUCCESS STORIES FROM OUR REAL FRIENDS!"
AGGH!

CHARLOTTE
I LEARNED DVORAK BY CUTTING OUT LITTLE PIECES OF PAPER WITH ALL THE LETTERS ON THEM AND TAPING THEM TO MY KEYBOARD.
IT SEEMED LIKE I LEARNED DVORAK REALLY FAST. A LOT FASTER THAN QWERTY.
SAM
MAYBE IT WAS WAAAY FASTER LEARNING DVORAK BECAUSE IT WAS MY SECOND LAYOUT? OR BECAUSE IT MAKES MORE SENSE? PROBABLY BOTH.
AND I CAN TOTALLY STILL TYPE QWERTY.
NOBODY WORRIES THAT THEIR ENGLISH GETS WORSE BECAUSE THEY LEARNED SPANISH! I CAN STILL "SPEAK" QWERTY EVEN THOUGH DVORAK IS NOW MY "NATIVE TONGUE."
PETE
I CONSIDER TYPING DVORAK ON MY MACHINE A SECURITY MEASURE.
I USE DVORAK AT WORK AND IF SOMEONE TRIES TO TYPE ON MY COMPUTER THEY GET A BUNCH OF GIBBERISH!
?
GWYN
IN COLLEGE I HAD THIS TEN PAGE PAPER TO WRITE. I DECIDED TO TEACH MYSELF DVORAK BY TYPING THE WHOLE PAPER WITH IT.
IT TOOK LONGER, BUT IT WAS WORTH IT!
AT THE END OF THE YEAR I TYPED MY ENTIRE SENIOR HONORS THESIS IN DVORAK WITH EASE!



DVzine@gmail.com

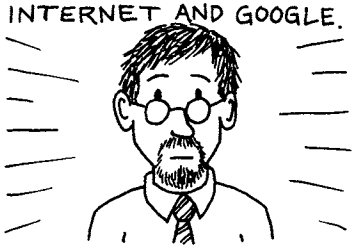
PLEASE CONTACT US IF YOU HAVE **ANY** QUESTIONS ABOUT LEARNING DVORAK. ALSO, WE'D LOVE TO HEAR YOUR STORIES ABOUT LEARNING AND TYPING DVORAK!

www.DVzine.org

TYPING TUTORS, HELP FILES, FAQs, TUTORIALS AND MUCH MORE TO HELP YOU SET UP AND LEARN DVORAK. **ALSO** ORDERING AND DISTRIBUTION INFORMATION!

THANKS

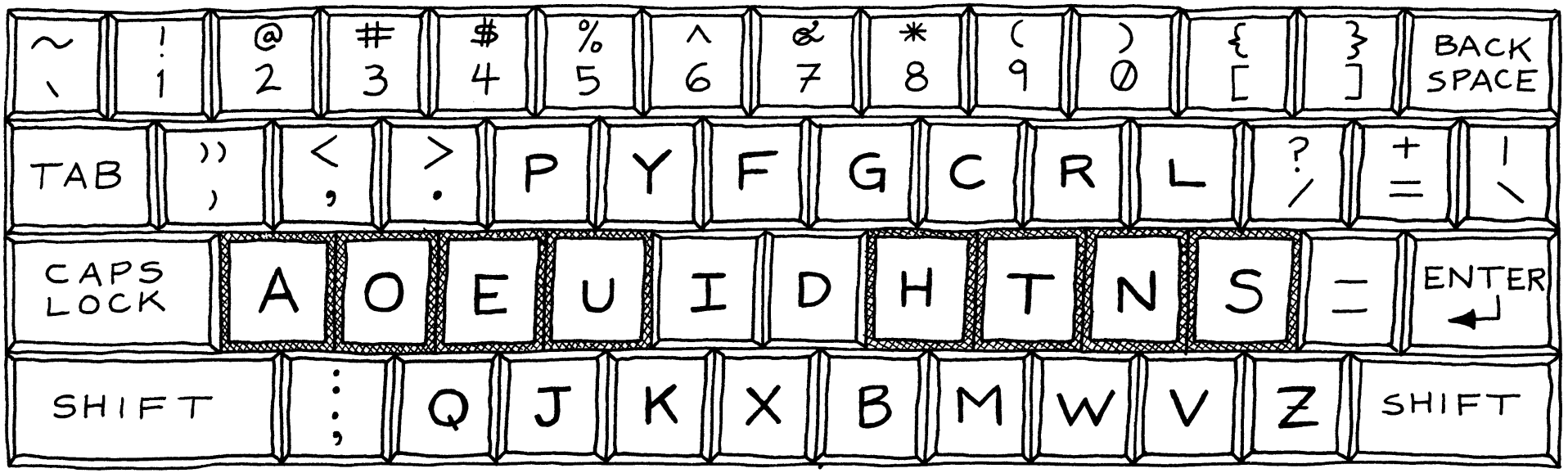
CHARLOTTE PHILLIPS, SAM GREENBERG, PETE LYONS, GWYN HUGHES, MARTHA STEWART LIVING OMNIMEDIA, NEWSWEEK, PHASE SEVEN COMICS, AARON RENIER, THE INTERNET AND GOOGLE.



DEDICATED TO
DR. AUGUST DVORAK
1894 - 1975

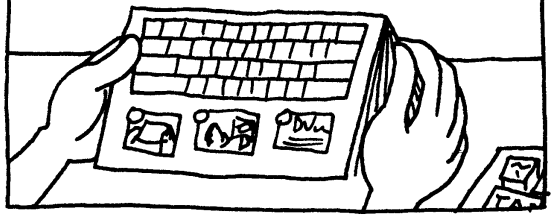
CITATIONS

1:5 - http://www.mytypewriter.com/generic.jhtml?pid=31
1:6 - U.S. Patent #79265 http://patft.uspto.gov/netahtml/search-bool.html
1:7 - http://www.typewritermuseum.org/history/inventors_sholes.html#
2:3 - http://www.library.wisc.edu/etext/WIReader/Images/WER1386.html
2:5 - http://www.myschoolonline.com/page/0,1871,45615-174025-48-11069,00.html
2:7 - http://www.officemuseum.com/1874_Sholes_Glidden_NMAH_SI_OM.jpg
2:8 - http://www.maxmon.com/1874ad.htm
4:4 - http://home.earthlink.net/~dcrehr/IMAGES/sgtreadlesm.jpeg
4:6 - http://en.wikipedia.org/wiki/Typewriter
4:8 - http://home.earthlink.net/~dcrehr/firsttw.html
5:1 - 5:4 - see 4.8
5:6 - http://www.mwbrooks.com/dvorak/dissent.html#sholes
5:8 - http://www.officemuseum.com/typewriters.htm
7:1 - 7:2 - http://en.wikipedia.org/wiki/August_Dvorak
7:3 - 7:5 - Typewriting Behavior by August Dvorak, American Book Company, New York, 1936.
7:6 - U.S. Patent #2,040,248 (see link from 1:6)
8:3 - 8:4 - Cryptanalysis by H.F. Gaines, Dover, New York, 1956.
9:1 - 9:2, 9:9 - http://www.maxmon.com/1936ad.htm
10:5 - http://www.mit.edu:8001/people/jcb/Dvorak/
10:9 - "The Dvorak Simplified Keyboard: Forty Years of Frustration" by Robert Parkinson Computers and Automation Magazine November 1972, pp. 18-25.
11:1 - see 10:9 / 11:12 - see 9:1-9:2, 9:9
12:3 - 12:4 - "The Curse of QWERTY" by Jared Diamond, Discover Magazine Vol, 18 No. 4 April 1997
12:6 - see 10:5 / 13:2-13:4 see 10:9
13:8 - http://www.dati.org/newsletter/issues/1996n5/Typing2.html
13.5 - see 7:3-7:5 / 13:9 - see 12:3-12:4
14:1 - http://en.wikipedia.org/wiki/Dvorak_simplified_Keyboard

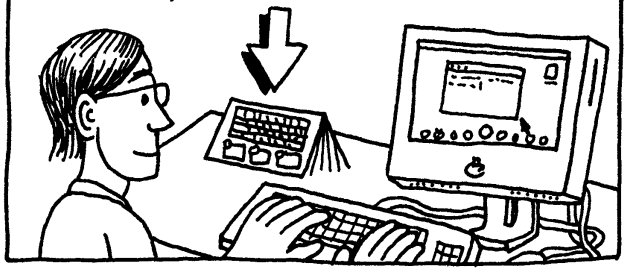


The Dvorak Simplified Keyboard!!!

1. STAND THIS ZINE UP LIKE A **TENT** NEXT TO YOUR COMPUTER.



2. REFER TO THE KEY-MAP ABOVE AS YOU LEARN TO TYPE DVORAK!



3. VISIT OUR SITE:

DVzine.org

FOR TYPING TUTORS, HELP FILES, FAQs, TUTORIALS AND MUCH MUCH **MORE**!!!

www.DVzine.org