July 14, 2006

Dear Stump the Chumps Workshop Attendee:

Attached is the handout for the RESNA session.

See you at RESNA 2007 in Arizona. Please email Ray with any ideas you have to make the conference even better. He's the conference chair and wants input from you.

Ray Grott
rgrott@sfsu.edu

Paul Schwartz
schwartzpa@uwstout.edu

Stump the Chumps!
Speech Recognition Free-for-All
RESNA 2006

Presented by:
PAUL SCHWARTZ & RAY GROTT

MICROPHONE MISCELLANY
(Better Bluetooth microphones are now available)
- (VXI BlueParrott TalkPro VXI B150-GTX
- Without built-in Bluetooth: B1000-GTX USB System, 75' range, $290 (http://emicrophones.com)
- Xovox Xcommunicator5 with Sony HB-300 headset (over the ear) $200 (http://microphones.com)

(New behind-the-head options)
- Sennheiser behind-the-head microphone is excellent at $168, but the jack needs a minor modification to remove the locking ring.
- Radio Shack has a $30 knock-off (#33-3012) which works quite well when paired with a VXI USB Pod

DID YOU KNOW?
- Undocumented but very helpful command:
  "Go Back" takes you back to your last location after you do a go to, select, or insert command.
- Resources tight? Check out the Performance Assistance in the Help Menu
- The On-Line Help System lets users keep a list of "favorites." (Navigate to the info you want, click on the Favorites TAB, and then click on the ADD button.)

WHAT'S NEW IN TRAINING RESOURCES?
- VoicePower (http://www.voiceteach.com/) is a voice-driven tutorial, help system, hundreds of macros and a means to easily open and position files, as well as other unique tools.

- Say-I-Can CD-based video tutorial is upgraded for Version 8.

DNS ON AN INTEL MAC?
- Yes you can with Windows installed via BootCamp
- Need to reboot to get back and forth.
- Need USB microphone
- Anything is better that speech recognition on a Mac (well, almost)

DNS 9 FEATURES:
- No Initial Training needed.
- 25% more accurate than 8 out of the box
- New (or improved) audio algorithm
- Continuous adaptation to background noise
- Extended On Screen Tutorials
- Support for non-standard Edit Controls
- Select and Say Indicator (shows green "light" for support red for non)
- Faster Command Browser:
- Desktop Auto Transcribe Folder
- More Audio File support - MP3, and others
- Bluetooth Support
- Supports Windows 2000, XP, (not WinME)
- MS Office, WordPerfect, Internet Explorer, AOL, Mozilla FireFox, and Thunderbird

DNS 9 Pro Features:
- Full CITRIX support
- Extended Roaming Profile (LAN, HTTP)
- Additional Administration Tools
- Manage and distribute vocabularies remotely

Microsoft Vista (pros)
- Part of OS, not just Office
- Full Command and Control of Windows
  – Accesses screen items by putting number flags--e.g. Start Menu, volume control
- Keyboard and mouse emulation
  – "Press shift control left arrow 3 times"
- Correction of misrecognized words
  – "Correct robot, Robert"
  – "Spell it R, O, B, E, R as in rabbit, T as in telephone"
  – Can re-dictate into Correction Box (or say Spell That)
  – Speaks back on correction
- Combines a tutorial with the voice enrollment (20 minutes)
- Adaptable language model– reads documents and email in the background (stored in 3-word fragments, along with corrections made by speech)
- Automatically speech-enables any application built with the Windows accessibility interface)

Microsoft Vista (cons)
- As of Beta 2 (Feb 2006)
  – No playback or text-to-speech
  – No Correction Button
  – No hot key for microphone
  – Limited configuration options
  – No dictation or command macros (the latter will be possible with a separate tool)
  – Limited tutorial and documentation
  – No export/import of voice files or vocabulary
  – No digital recorder interface as of yet

NEWER PRODUCT: SPEAKQ
- Combines speech recognition from MS Word into WordQ word prediction software
- Can be good for people with writing difficulties and who can't manage DNS—not designed as a primary speech recognition input tool
- Get what you want in the prediction box (using voice or keyboard) <u>before</u> the text is placed in your document
- Has worked well with people with low frustration tolerance. Also for some people with dysarthic speech or heavy accents.
- Training provides auditor prompts
- WordQ has text-to-speech

EXTRAS BONUS TIPS (NOT IN OUR PRESENTATION)

DNS8 and Word 2003
WORKING WITH LINES

(Go to) Line 1, 20, etc.

Bold/Italicize this line
Uppercase this line
Uppercase and Bold this Line
Center this line
Capitalize this line
End of line
Beginning of line
Cut this line
Delete the previous (#) line(s)
Delete the next (#) line(s)

First Word [goes to first word of the sentence the cursor is in]

WORKING WITH MULTI-PAGE DOCUMENTS

(Go to) Page 5
(Go to the) Bottom/Top of the page
(Go to the) Bottom/Top of page 5
Single space that
Double space that
Increase indent
Decrease indent

HIDDEN VOCABULARY BUILDER

- Inserts the new words on a higher priority level vocbldr.exe
  (Gone in Version 8)

- Check out "voctool" on the Start Menu
  (Start>All Programs>DNS8.1/>DNS Tools
  Dragon NaturallySpeaking Tools>Voctool)
- Same as in the Accuracy Center? Stumps me!

TIP FROM KARL BARKSDALE:
When making major edits, it is often much easier to simply restate an entire sentence rather than trying to edit individual words within a sentence.

Say: "Resume with simply restate"
And say: "the idea or entire sentence instead of selecting and editing each word that you want to change."
Then say "new paragraph" to separate the old wording from the new.
Then say "delete paragraph" to get rid of the old wording.

(Ray adds: You can also say, "Insert after restate" and then continue)