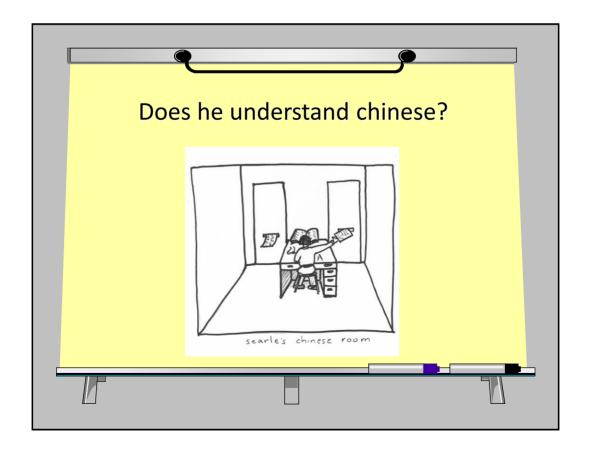
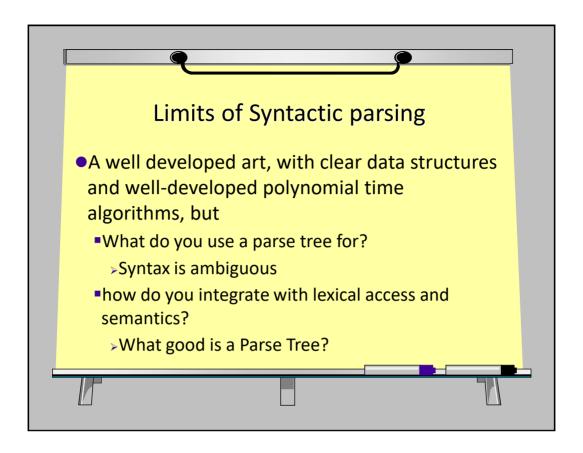
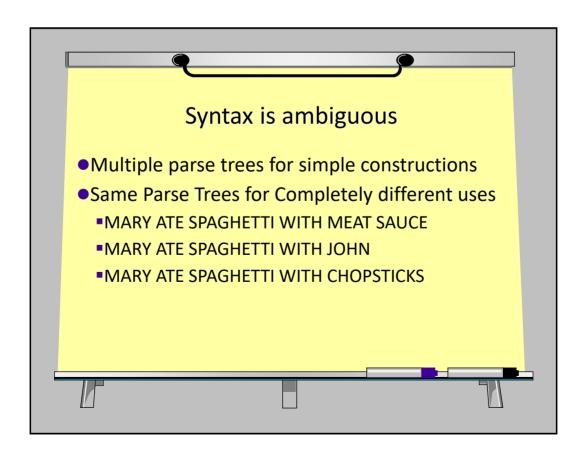


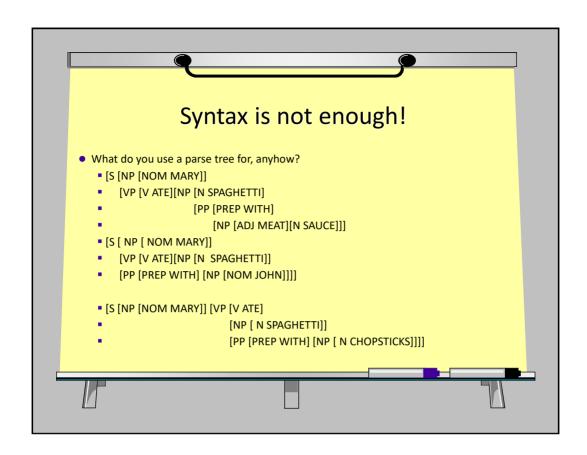
## Searle's Chinese Room Argument against Al

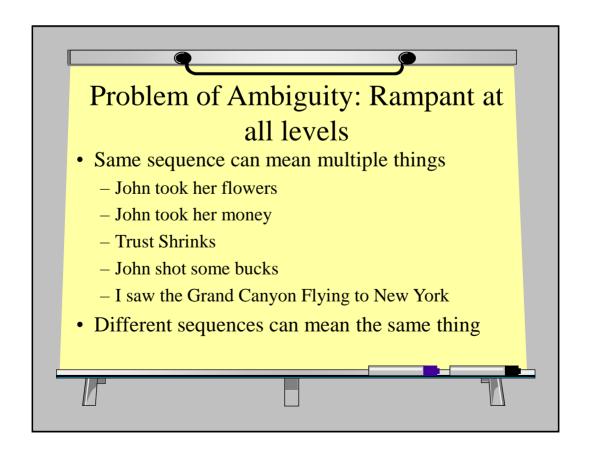
•An operator O. sits in a room; Chinese symbols come in which O. does not understand. He has explicit instructions (a program!) in English in how to get an output stream of Chinese characters from all this, so as to generate "answers" from "questions". But of course he understands nothing even though Chinese speakers who see the output find it correct and indistinguishable from the real thing.

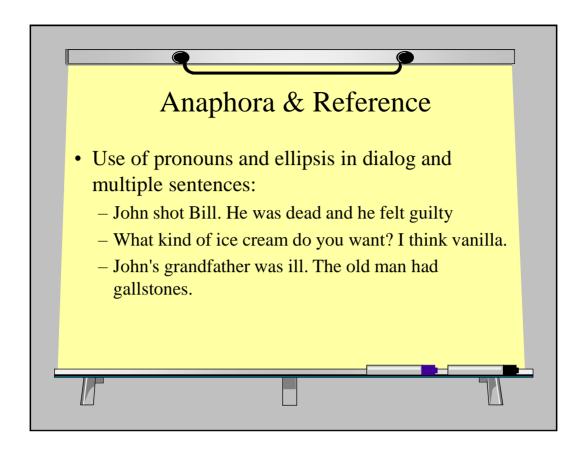


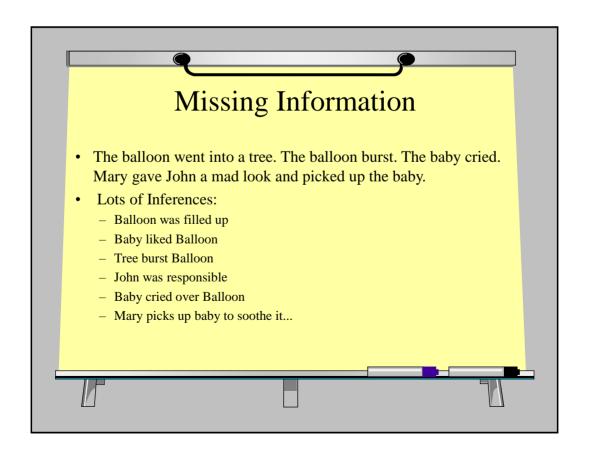




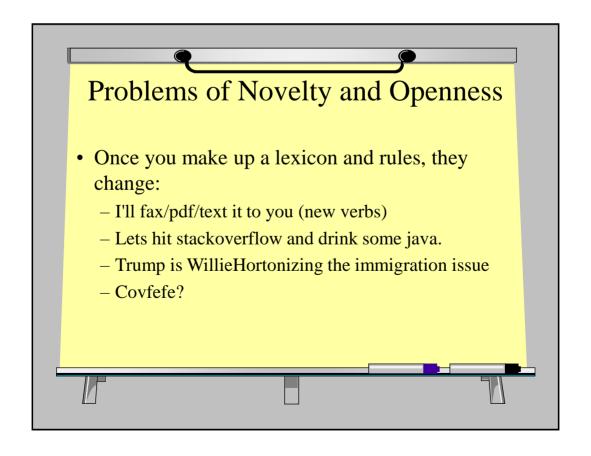


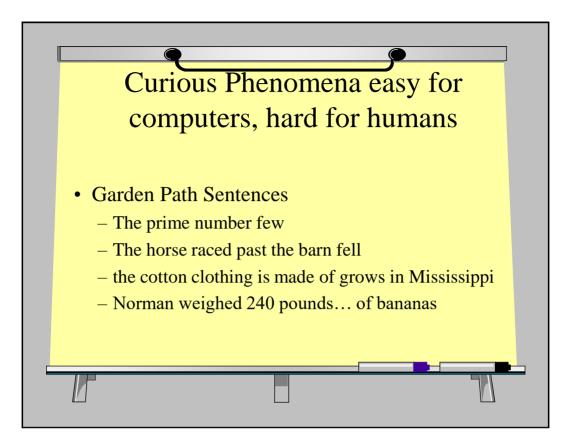


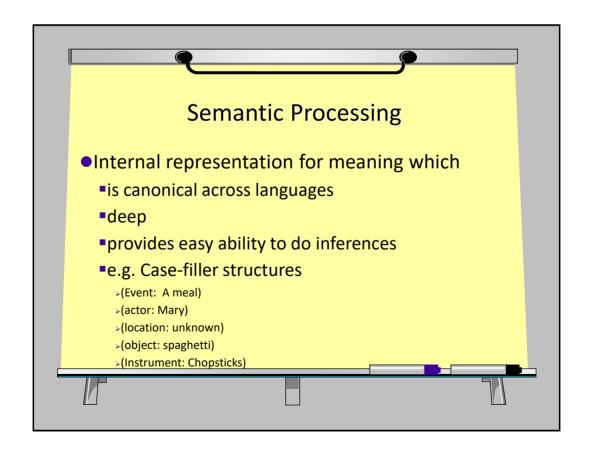


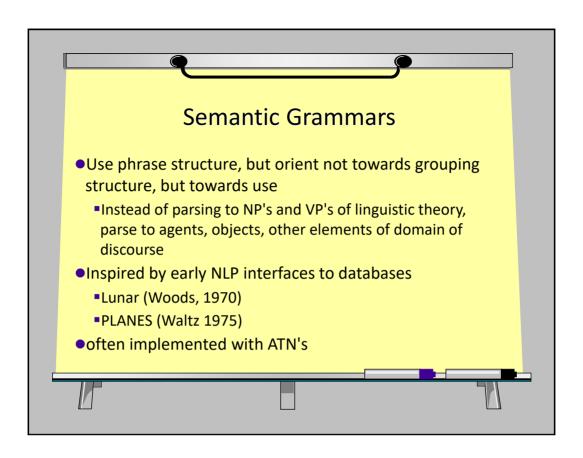


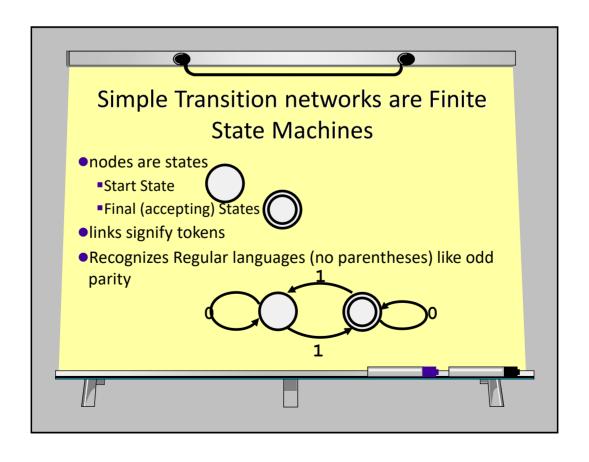
## Problem of Non-literal language • Idioms — John kicked the bucket • Metaphor and Analogy — Her hair was like lambswool, her teeth were like pearls (soft and white, not white and hard) — The editor died on me today — The engine ate up the track

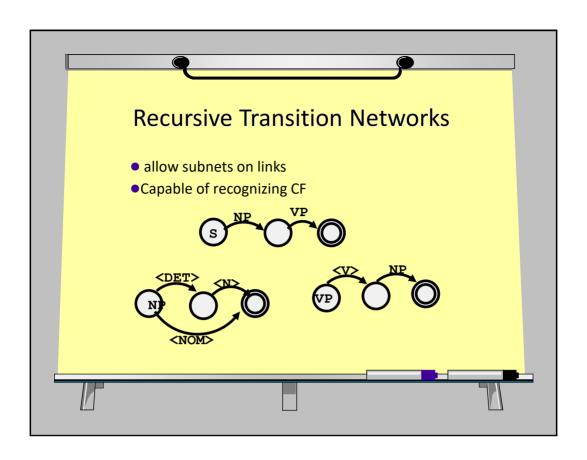


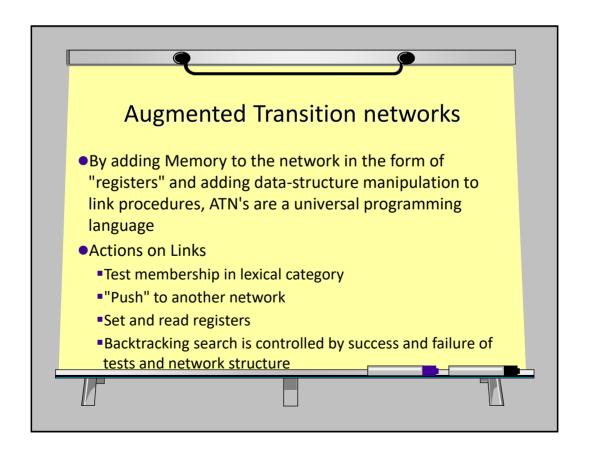


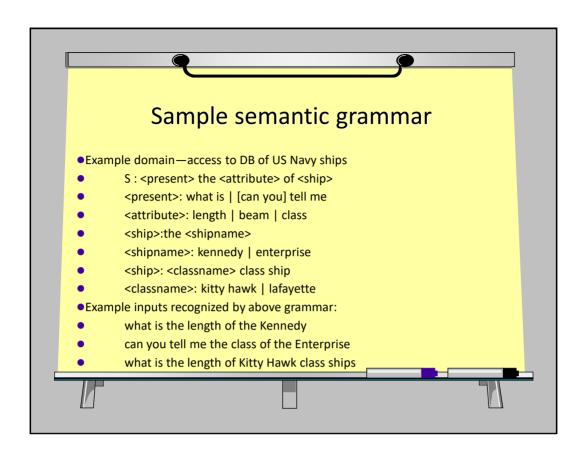


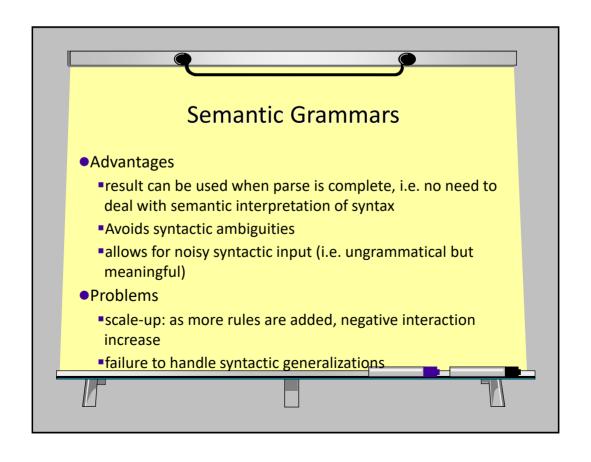


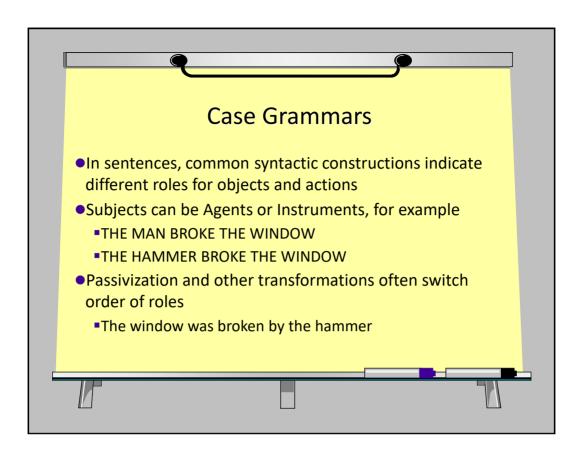


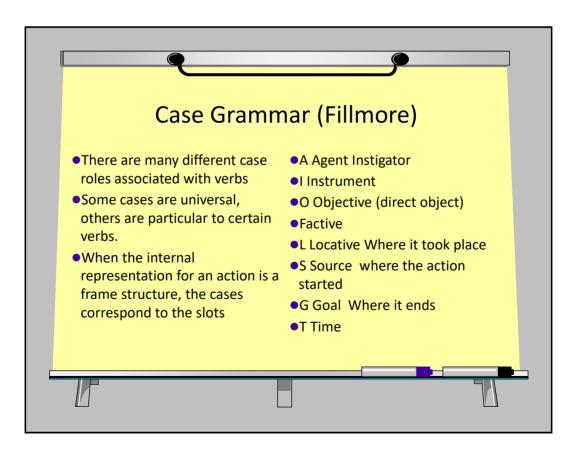


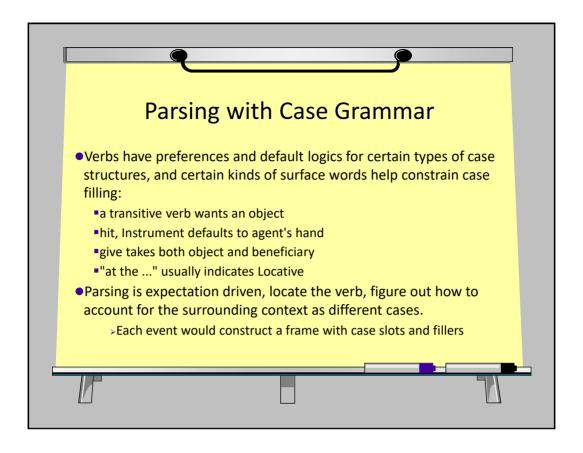


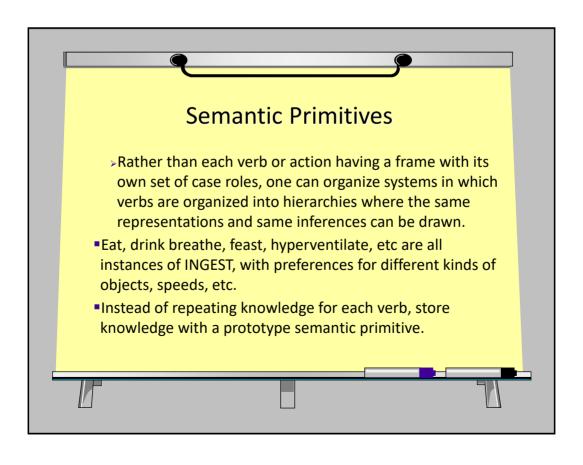


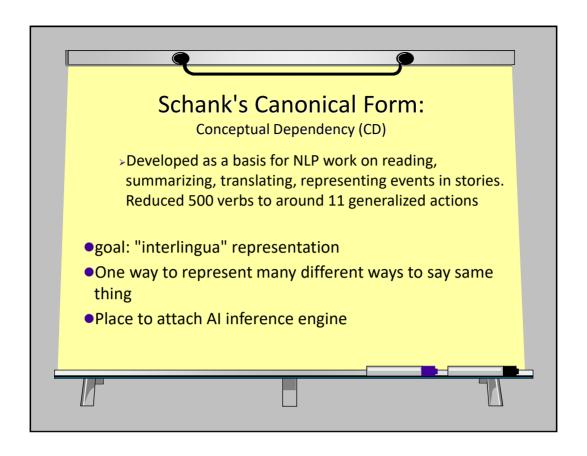


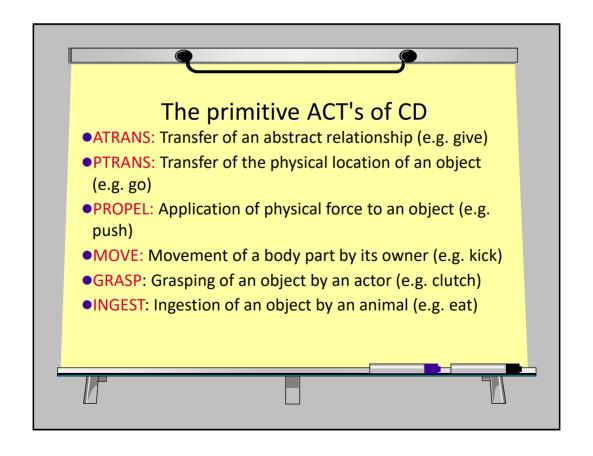


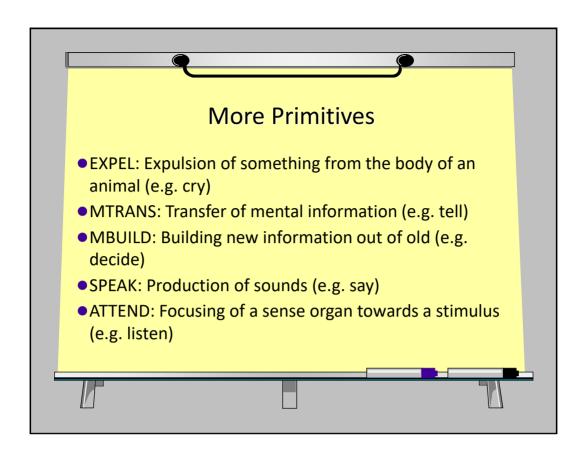


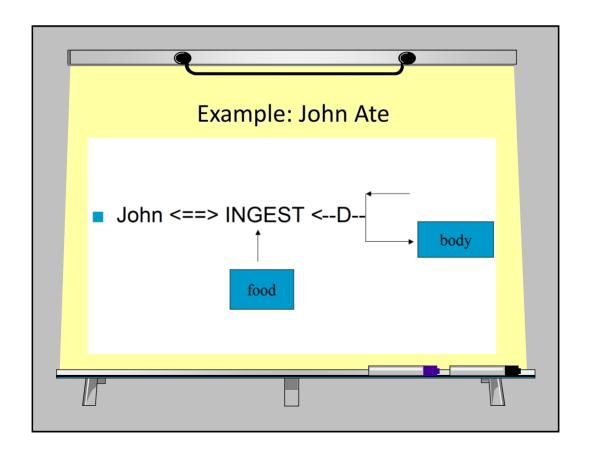


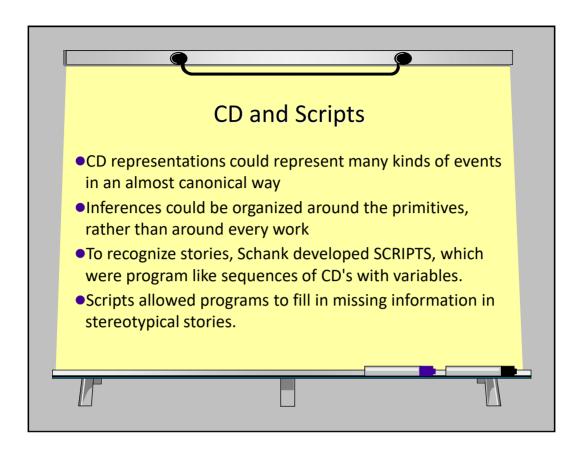


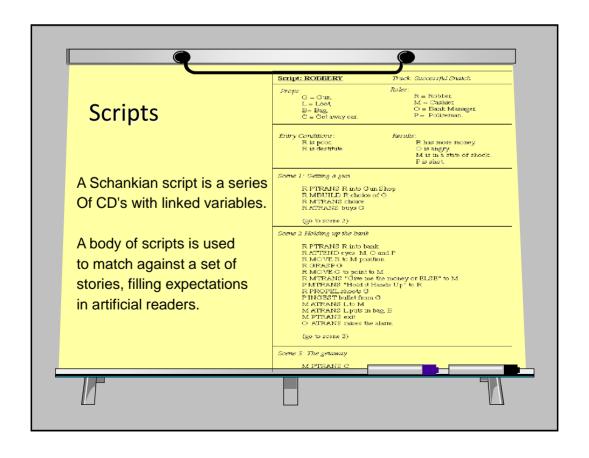


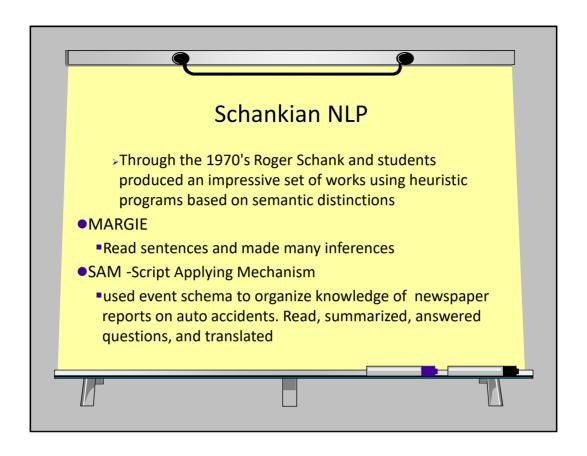


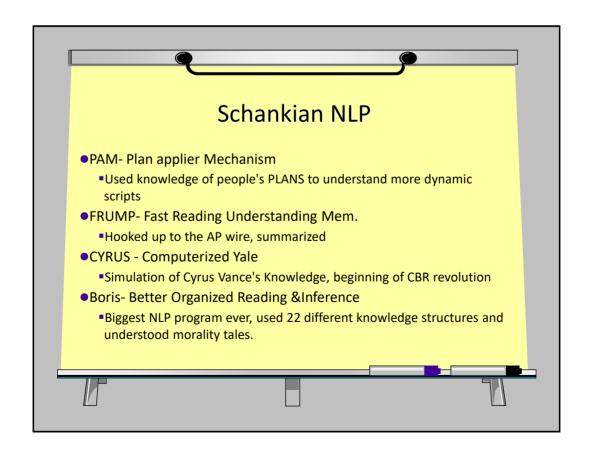




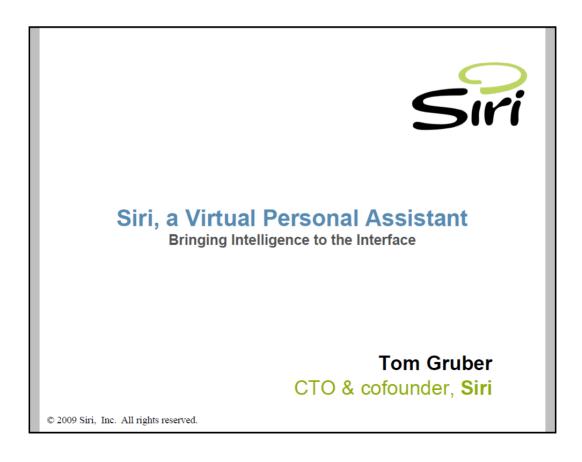


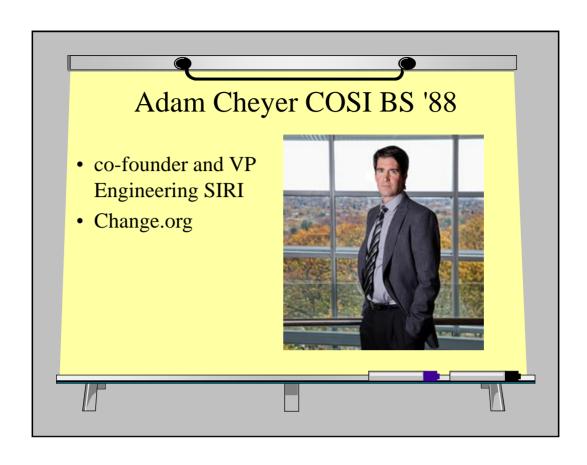












### **A Virtual Personal Assistant:**

Does Things for You

focus on task completion

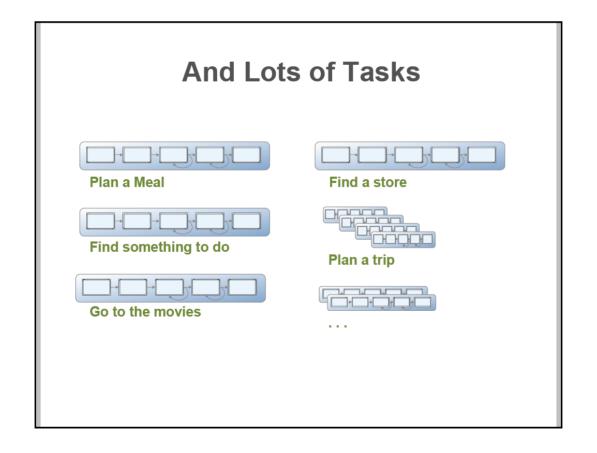
Gets What you Say

intent understanding via conversation

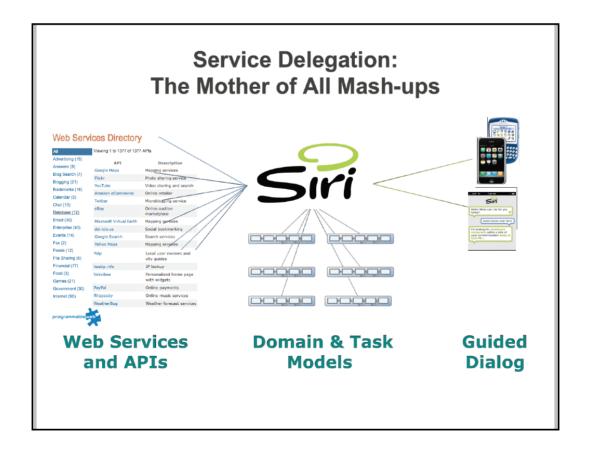
■ Gets to Know You

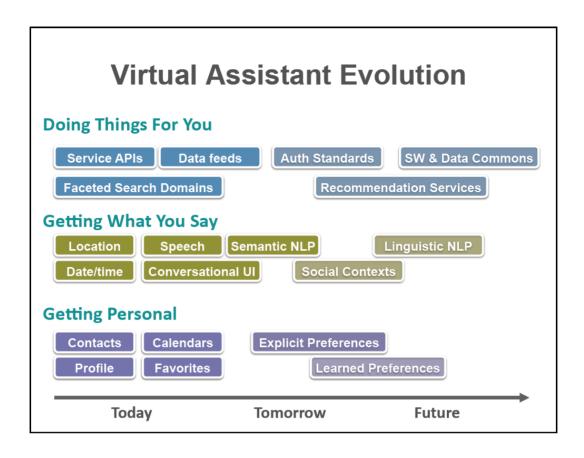
learns and applies personal information

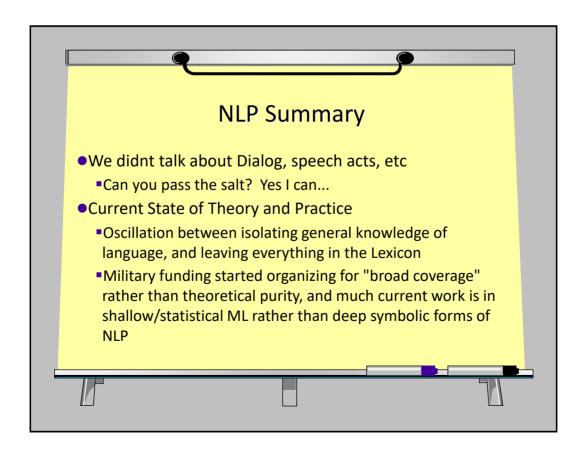
### Siri Helping you Do Things I found the following Italian restaurants that reviews say are Multiple-criteria vertical romantic near your home search and browse combining multiple sources of information with integrated Your table is reserved for 2 Saturday night at 8:00pm. transactions and social communication Your invitation has been sent to friend@email.com

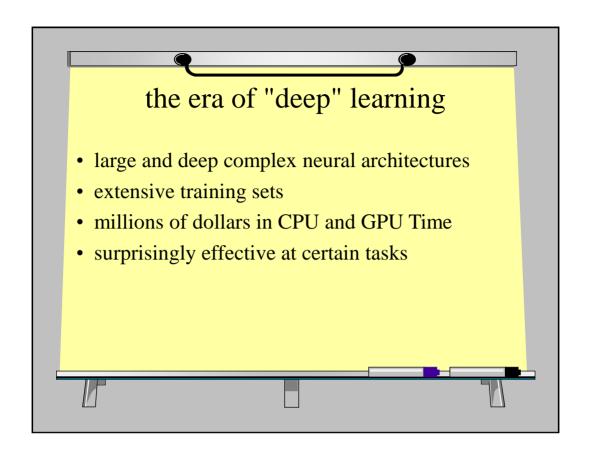


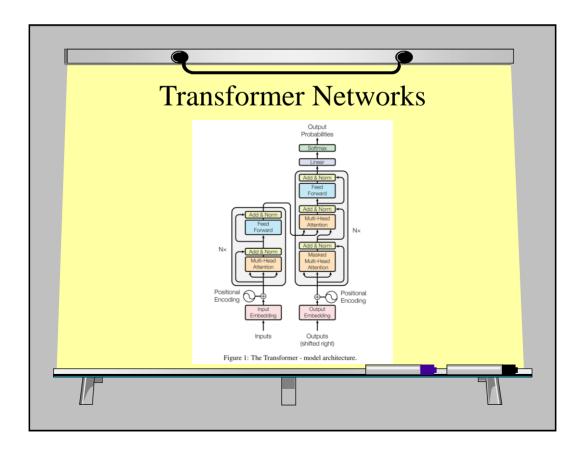












# GPT3 • 175 billion weights, hundreds billions words • feed it a prompt and it keeps going generating English.

