

AI Crossword Puzzle

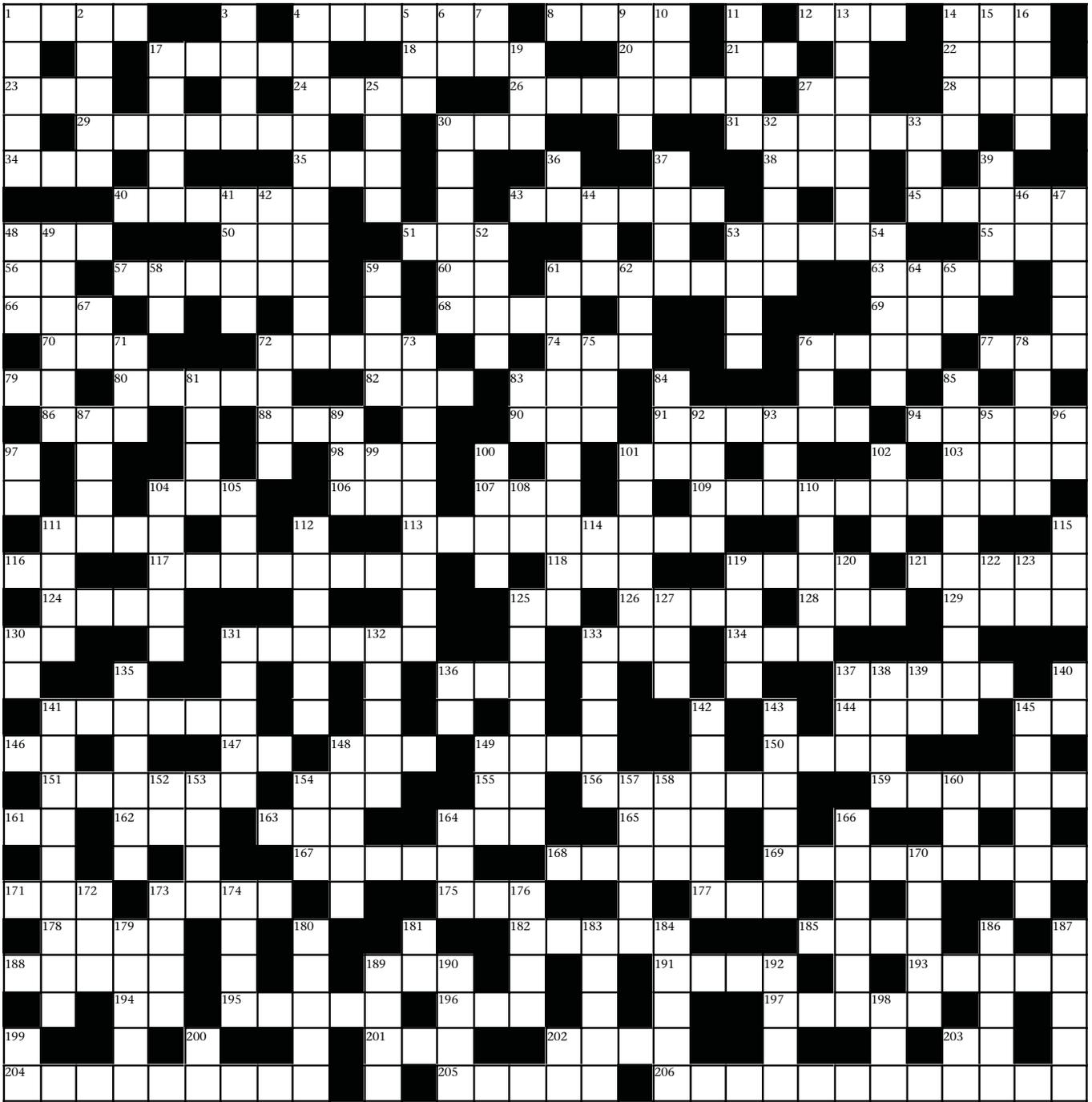
Jon Glick

Most, but not all, of the clues and answers relate to AI. An answer may be an acronym or an abbreviation even though not noted in the clue. Some liberties have been taken, but only because the puzzle is meant to be fun and interesting. If you'd like a few answers, check out the "AI in the news" column on page 120. And for all of the answers, see the solution on page 116. I wish to thank Bruce Buchanan, Mike Hamilton, David Leake, Reid Smith and Raja Sooriamurthi for their valuable comments and suggestions.

ACROSS

- 1 where the Spirit is
 4 a sign that you're Reddy to help
 8 a type of book
 12 a knowledgeable lab
 14 a/k/a user interface design
 17 mechanical computer that deciphered Enigma coded messages
 18 American Indian tribe members or pickup trucks Down Under
 20 colorless, odorless gas emitted by Kat-5 in Nevada race
 21 before Smith (Fellow)
 22 14 across in France
 23 pester
 24 a cognitive architecture
 26 robot soccer event
 27 opposite of 34 across
 28 runs between two points
 29 Geometry Theorem Prover and General Problem Solver each had one
 30 a bioinformatics center in Beijing
 31 this IBM Fellow mined Marks & Spencer data
 34 opposite of 27 across
 35 a computing association
 38 a cereal grain
 40 NLP system named for Lino-type error sequence
 43 a first name in neural nets
 45 AAAI Fellow Thomas and Oklahoma's Hougen
 48 found in product barcode
 50 a sense organ
 51 a web ontology language
 53 Judea or nursebot
 55 this moment
 56 project lead
 57 it cleans up
 60 an early AT&T tablet computer
 61 robot degree
 63 this Ned loomed large in early 1800s
 66 server-side scripting environment or Cobra type
 68 air defense system or herb
 69 you'll find Alan Mackworth there
 70 an associative array
 72 initial or goal
 74 HAL moved up the alphabet
 76 Nilsson
 77 Stanford had one
 79 before Fahlman (Fellow)
 80 an AI Society in Portugal
 82 Countess of Lovelace
 83 GOFAI alternative
 86 Mitchell
 88 a wedding phrase
 90 tank engine expert or Shortliffe
 91 erase
 94 Deep Space 1 was one
 98 Brachman
 101 an application
 103 standard measurement quantity
 104 a constrictor
 106 Engelmere
 107 massage
 109 an early conference at ACE's home
 111 McCarthy
 113 universal automation
 116 before Laird (Fellow)
 117 AI's Bush
 118 the Predator is one
 119 first name of 49 down's theological advisor
 121 Could a robot performer join this union?
 124 von Kempelen's player
 125 after noon or LT challenge
 126 celebrated 25th anniversary in 2005
 128 it assists architects
 129 an Austrian AI Society
 130 a science degree
 131 space exploration
 133 an early Kurzweil vision
 134 CUL8R
 136 before CMU
 137 CYRUS' conceptual memory secretary
 141 an UK AI Society
 144 what this is
 145 knowledge repr.
 146 Sci-__
 147 maximizes cumulative reward
 148 fireplace residue
 149 an Italian AI Society
 150 Turkish currency

- 151 Don at AI dawn
 154 lots of agents
 155 site of AAAI-07
 156 models and chains
 159 he soared
 161 a/k/a Baduk
 162 an IASTED conference
 163 "he" answered Raphael's questions
 164 hypermedia based educational expert system or to inquire
 165 what Ecobot II does with flies
 167 it found meteorites
 168 a Marx brother
 169 IBM 701 developer at Dartmouth workshop
 171 USC inst.
 173 a linguistic law
 175 found at International Autonomous Underwater Vehicle Competition
 177 a Ford
 178 in addition to
 182 a representative body for European AI community
 185 Gates or Joy
 188 a bloody good expert system
 189 Sandstorm, for example
 191 an electronic law/tech journal
 193 a group's moral principles
 194 not you
 195 Higgins Professor and articulate lady
 196 FORTRAN and LISP are others
 197 Shakey vintner
 201 an unspecified quantity
 202 __ Mater
 203 before Buchanan (Fellow)
 204 one more from IBM in Hanover in 1956
 205 CBR project or Kentucky Derby winner
 206 the science of artificial __
 21 ist Pearson
 217 Dartmouth lifecycle event for AI appellation
 219 AIC is there
 225 ARO's parent
 227 Pohl or retirement account
 230 had "controlled hallucination" vision
 232 Loew's clay man
 233 a Boolean operator
 236 home of 53 down
 237 Dawkins' cultural unit
 239 named for research and development
 241 show how it works or Brandeis lab
 242 research space
 244 robot play first performed 85 years ago
 246 on, off; yes, __
 247 bees do it
 248 robot control methodology or vacation destination
 249 a humanoid robot
 252 rich soil
 253 an AI poker player
 254 13th Century theologian
 258 where 142 down is from
 259 small amount or Greek letter
 261 AI expert or fig tree (Deutsch)
 262 a type of tree
 264 AI used at this Swiss bank
 265 site of AAAI-83 & -93
 267 Eniac's 1946 st.
 271 she and Sam understood simple stories in New Haven
 272 an AI lab
 273 where Austin is
 275 what they did at The Origins of Cyberspace event in Feb. '05
 276 a Boolean operator
 278 "flew" with robots to WTC in 2001
 281 __ Alto
 283 @
 284 driver's license, passport, etc.
 285 AI thug's tactic (2 words)
 287 his conversation with Marvin is in AI Magazine 13(3)
 289 sphere or globe
 292 a Hellenic AI Society
 293 28 across has one
 295 Yoko
 296 Spielberg film
 297 what they call 206 across
 299 programming appr. used by Java
 300 Horvitz
 301 Universal Automatic Computer
 302 the write stuff
 304 Belgian + Dutch AI assoc.
 305 "she" has more connections than a lobbyist
 308 where you'll find Martha Pollack
 310 waltz
 311 dispatched by 68 across system
 312 threatening tic-tac-toe player
 314 many grad. students are this
 315 an uncertain community
 319 Manuela's dog
 320 181 down's family
 322 before Dietterich (Fellow)



- 123 before Brooks (Fellow)
- 125 Hayes or Winston
- 127 28 across bowed
- 130 1024 KB
- 131 made public their reservations
- 132 MacHack's game
- 133 his razor trims the fat
- 135 created first mechanical digital calculating machine
- 136 before Perrault (Fellow)
- 137 before DVR
- 138 first name in robots playing soccer
- 139 you'll find Kenneth Forbus here
- 140 before Ashby of Automata

- Studies
- 141 children's game or Nobel lecture (2 words)
- 142 Baum's mechanical man
- 143 drove coast-to-coast
- 145 2004 MacArthur Fellow
- 148 AI artist or Sloman
- 149 smart brake sys.
- 152 opposite of 134 across
- 153 an AI conference
- 154 not max
- 157 a Spanish Association for Artificial Intelligence
- 158 Firby's sys. or music genre
- 160 what Stanley did in 2005
- 164 a NASDAQ trade & quote

- monitor
- 166 an early 1970s problem solver
- 170 Newell or wrench
- 172 a LISP gathering
- 173 search space
- 174 an early video game
- 176 Shannon, Brachman and Turing worked there
- 179 a Nobel prize winner
- 180 an action option when faced with obstacle
- 181 simulates survival of the fittest
- 183 SCCC location
- 184 a joint conference
- 186 Japanese Chess

- 187 a large body of water
- 189 Russian emperor or powerful person
- 190 Solomonoff and Kurzweil
- 192 consistent with reality
- 198 geologic time unit or SF novel by Bear
- 199 info tech
- 200 Dartmouth's st.
- 202 a well-known group of other authors: et _
- 203 UK industrial CS lab

The addendum to this puzzle is available at www.aai.org/aitopics/xword/index