AAAI News

*Fall News from the
American Association for Artificial Intelligence*

Congratulations to the 2004 AAAI Award Winners!

Tom Mitchell, AAAI Past President and Awards Committee Chair, and Ron Brachman, AAAI President, presented the AAAI Awards recently at AAAI-04 in San Jose, California. The award winners received a certificate and a check for $1,000.

2004 Classic Paper Award

The 2004 AAAI Classic Paper Award was given to the author of the most influential paper from the Fourth National Conference on Artificial Intelligence, held in 1984 in Austin, Texas. The Awards Committee selected Hector J. Levesque, of the University of Toronto, to receive this award for his paper, "A Logic of Implicit and Explicit Belief." Levesque was honored for his seminal contributions to the formalization of knowledge and belief.

Two papers from 1984 received 2004 Classic Paper Honorable Mentions, including "A Theory of Action for MultiAgent Planning" by Michael Georgeff and "The Tractability of Subsumption in Frame-Based Description Languages" by Ronald J. Brachman and Hector J. Levesque. Georgeff was honored for his seminal contributions to formalisms and algorithms for multiagent planning. Brachman and Levesque were honored for their seminal contributions to understanding the relationship between formal knowledge representations and computational tractability.

2004 AAAI Distinguished Service Award

The 2004 AAAI Distinguished Service Award recognizes one individual each year for extraordinary service to the AI community. The AAAI Awards Committee is pleased to announce that this year's recipient is Bruce Buchanan of the University of Pittsburgh. Buchanan was honored specifically for a lifetime of service to the science of artificial intelligence, including seminal scientific contributions to knowledge-based systems and machine learning, educational impacts on many graduate students and on researchers in medicine, philosophy, and other fields beyond the borders of AI, and selfless professional service as Secretary-Treasurer and President of AAAI.

For more information about nominations for AAAI 2005 Awards, please contact Carol Hamilton at hamilton@aaai.org or 650-328-3123.

Robert S. Engelmore Memorial Lecture Award

This award was established in 2003 to honor Robert S. Engelmore's extraordinary service to AAAI, *AI Maga-*

Hector Levesque received his B.Sc., M.Sc., and Ph.D. degrees from the University of Toronto in 1975, 1977, and 1981, respectively. After graduation, he accepted a position at the Fairchild Laboratory for AI Research in Palo Alto, and then joined the faculty at the University of Toronto where he has remained since 1984. Levesque has published over 60 research papers, and is the coauthor of a recent textbook on knowledge representation and reasoning. In 1985, he was the first non-U.S. citizen to receive the Computers and Thought Award given by IJCAI. He was the recipient of an E.W.R. Steacie Memorial Fellowship from the Natural Sciences and Engineering Research Council of Canada for 1990-91. He was also a fellow of the Canadian Institute for Advanced Research from 1984 to 1995, and is a founding fellow of AAAI. He has served on the executive council of the AAAI, and was a cofounder of the International Conference on Principles of Knowledge Representation and Reasoning. In 2001, Levesque was the the IJCAI-01 conference chair, and served as president of the board of trustees of IJCAI from 2001 to 2003.
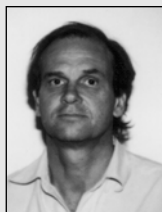
Michael Georgeff is principal of Precedence Research and research professor in the Faculty of Information Technology at Monash University, Melbourne, Australia. In 1988, Georgeff founded the Australian Artificial Intelligence Institute and, in 1997, founded Agentis Software, which provides adaptive enterprise management products for Fortune 1000 companies. Prior to 1988, Georgeff was program director in the Artificial Intelligence Center at SRI International. He was also a member of Stanford University's Center for the Study of Language and Information. During this period, he and his team created one of the first implementations of software agent technology, applying it to the control of NASA's space shuttle.

Georgeff is a former trustee and president of the International Joint Conference on Artificial Intelligence and chair of the steering committee for the Pacific Rim International Conference on Artificial Intelligence. He was elected an AAAI Fellow in 1995 for his "pioneering theory and applications of reactive planning systems and agent architectures." He is also a Fellow of the Australian Computer Society. Georgeff holds a P.hD. from Imperial College, London.

Ron Brachman is the director of the Information Processing Technology Office at the Defense Advanced Research Projects Agency (DARPA). Prior to joining DARPA, Brachman was a research vice president at AT&T Labs and, previously, at Bell Labs. His laboratory performed research in IP communications services and supporting technologies, including secure systems, human-computer interaction, and AI. Prior to joining Bell Labs in 1985, Brachman was instrumental in the design and implementation of several well-known knowledge representation systems, including KL-One, Krypton, and CLASSIC, and his work formed the basis for an entire subfield of research in AI (description logics). He received the B.S.E.E. degree from Princeton University (1971), and S.M. and Ph.D. degrees in applied mathematics from Harvard University (1972, 1977).

Brachman is currently president of the American Association for Artificial Intelligence (AAAI). He has been program chair of the National Conference on Artificial Intelligence, is the coeditor of several books, and with Hector Levesque and Ray Reiter in 1989 founded a series of international conferences on Principles of Knowledge Representation and Reasoning, which continue to this day. He served as secretary-treasurer for the International Joint Conferences on Artificial Intelligence from 1993 to 2002. He has published numerous technical papers, has won a Best Paper award, and, with Hector Levesque, recently published *Knowledge Representation and Reasoning*. He is a founding Fellow of AAAI, and was inducted as a Fellow of the Association for Computing Machinery in 1999.

Bruce Buchanan received a B.A. in mathematics from Ohio Wesleyan University (1961) and M.S. and Ph.D. degrees in philosophy from Michigan State University (1966). At Stanford University, he was one of the principals in the design and development of DENDRAL, Meta-DENDRAL (RL), MYCIN, E-Mycin, and PROTEAN. He is now university professor emeritus at the University of Pittsburgh, where he has joint appointments with the Departments of Computer Science, Philosophy, and Medicine and the Intelligent Systems Program. He is a fellow of the American Association for Artificial Intelligence (AAAI), a fellow of the American College of Medical Informatics, and a member of the National Academy of Science Institute of Medicine. He has served on the editorial boards of several journals and has served as secretary-treasurer of AAAI (1986–1992) and as president

Edward Feigenbaum is Kumagai Professor of Computer Science Emeritus at Stanford University. He earned his Ph.D. at Carnegie Institute of Technology (now CMU) in 1959. In the 1960s he pioneered the development of the expert systems field. From 1976–1981, he was chair of Stanford University's Computer Science Department. In the 1980s, he participated in the start-up of several companies that commercialized expert systems technology. During 1994–1997, he was chief scientist of the U.S. Air Force (at the Pentagon).

In 1963, he coedited the early anthology, *Computers and Thought.* In the early 1980s he coedited the four-volume *Handbook of Artificial Intelligence* and coauthored two books about AI and expert systems: *The Fifth Generation* and *The Rise of the Expert Company.* His recent book, *The Japanese Entrepreneur: Making the Desert Bloom*, was published in Japan.

He was elected to the National Academy of Engineering, and the American Academy of Arts and Sciences. He was the second president of the American Association for Artificial Intelligence. In 1995, he was awarded the highest research honor of computer science—the ACM Turing Award of the Association for Computing Machinery.

zine, and the AI applications community, and his contributions to applied AI. The annual keynote lecture is presented at the Innovative Applications of Artificial Intelligence Conference. Topics encompass Bob's wide interests in AI, and each lecture is linked to a subsequent article published upon approval by *AI Magazine.* The lecturer and author for the magazine article are chosen jointly by the IAAI program committee and the editor of *AI Magazine.*

AAAI congratulates the 2004 recipient of this award, Edward A. Feigenbaum of Stanford University. Feigenbaum was honored for his decades of technical, business, and government leadership in AI, as well as pioneering research on knowledge-based systems. His lecture, "The Power of Clear and Demonstrative Knowledge: In Honor of a True Son of Science," revisited some of the themes that were central to Bob Engelmore's work in a contemporary context, including his "knowledge is power" hypothesis, knowledge webs, new applications of knowledge-based systems, and particularly the blackboard-architectures that Engelmore helped to develop.

AAAI–INTEL–ISEF Special Awards

Now in its sixth year, the AAAI Special Awards program at the annual Intel International Science & Engineering Fair (ISEF) consists of up to 10 awards to recognize outstanding achievement in the area of intelligent computation and robotics. The awards are intended for the best exhibits in the area of computer science with an artificial intelligence component. Finalists in other areas with significant computer science components are also eligible. The student authors of each award-winning project share $500 and each student receives a certificate and other momentos. The winners and their schools also receive a complimentary one-year membership in AAAI, including a subscription to *AI Magazine.*

This year, the ISEF was held May 9-15, 2004 in Portland, Oregon. There were 10 winning projects by 12 students (one team). Eight projects were

entered in the category of computer science and two were in engineering. The 2004 winners are as follows:

- Neural Networks and Speciation Genetic Algorithms. *Craig Andrew Wilson, Austin, Texas.*

- Fault-Tolerant Behavior-Based Robots. *Laura Anne Wong, Ewing, New Jersey.*

- Evaluating the Ability of a Genetic Algorithm to Find an Optimal Investment Portfolio. *Jordan Strong Wilson, Midlothian, Virginia.*

- A New Approach to the Identification of Computer Viruses Using Artificial Neural Networks. *Benjamin Alan Frison, Carlisle, Pennsylvania.*

- Artificial Visual Perception: An Integrated Approach to Neuroadaptive Modeling. *Kimberly Elise Reinhold, Hilo, Hawaii.*

- Brain-Computer Interface for the Muscularly Disabled. *Elena Leah Glassman, Doylestown, Pennsylvania.*

- E-Canister: A Reliable Anti-spamming Server Based on Voting and Learning. *Sung-Jin Hong, Daejon, South Korea*

- Resource Allocation by Integration of Dispatching Heuristics with Genetic Algorithms. *Yen Tung Yeh, Avondale, Arizona; Christina Grace Kwong, Phoenix, Arizona; Dean Wong Thongkham, Mesa, Arizona.*

- Development and Comparison of Biologically Based Robots. *Zachary Michael Walchuk, Mankato, Minnesota.*

- Factors Affecting Cooperative Robotic Behavior: Year 2. *Donald Eng, Jacksonville, Florida.*

AAAI congratulates all the winners! In addition, we would like to recognize the judges, who attended the fair in Portland and selected the 10 winning projects from many remarkable and worthy entries. Many thanks to Reid Simmons (chair) for his organizational efforts, and to all the judges, Dave Kortenkamp (head judge), Metrica TRACLabs; Jeremy Frank, NASA Ames Research Center; Adele Howe, Colorado State University; and Sven Koening, University of Southern California, for their generous donations of time and energy.

The Architecture, Implementation, and Operation of Conscious Machines

Robert S. Grondalski
Member AAAI

The computational basis of conscious thought is presented in detail along with how to build and operate a conscious machine. Included is an operational engram file with thousands of cognitive links containing everyday knowledge and Conscious Machine Software — for PC (patent pending).

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AAAI-INTEL-ISEF 2004 Award Winners.

Twentieth National Conference
on Artificial Intelligence (AAAI-05)

Seventeenth Conference on Innovative
Applications of Artificial Intelligence (IAAI-05)

July 9-13, 2005
Pittsburgh, Pennsylvania

AAAI-05 Cochairs
Manuela Veloso, *Carnegie Mellon University*
Subbarao Kambhampati, *Arizona State University*

IAAI-05 Chair and Cochair
Neil Jacobstein, *Teknowledge Corporation*
Bruce Porter, *University of Texas at Austin*

Intelligent Systems Demonstrations Cochairs
Belinda Thom, *Harvey Mudd College*
Biplav Srivastava, *IBM Research*

Mobile Robot Competition & Exhibition Cochairs
Sheila Tejada, *University of New Orleans*
Paul E. Rybski, *Carnegie Mellon University*

Student Abstract and Poster Program Chair & Cochair
Maria Fox, *University of Strathclyde*
Avi Pfeffer, *Harvard University*

Tutorial Forum Cochairs
Yolanda Gil, *ISI/University of Southern California*
Qiang Yang, *Hong Kong University of Science & Technology*

Workshop Program Chair & Cochair
Adele Howe, *Colorado State University*
Peter Stone, *University of Texas at Austin*

Edward Feigenbaum (center) receives the Robert S. Engelmore Memorial Lecture Award from IAAI Cochair Neil Jacobstein (left) and AI Magazine *Editor-in-Chief David Leake (right).*

AAAI-05 and IAAI-05

July 9-13, 2005

The Twentieth National Conference on Artificial Intelligence will be held July 9-13, 2005 in Pittsburgh, Pennsylvania. The Seventeenth Conference on Innovative Applications of Artificial Intelligence (IAAI-05) will be collocated with AAAI. Please make a note of these new and earlier dates!

The AAAI-05 and IAAI-05 Calls for Technical Papers, Tutorial Proposals, Workshop Proposals, Student Abstracts, Intelligent System Demonstrations, and Robot Competition participants are now available on the AAAI-05 and IAAI-05 web sites (see www.aaai.org/Conferences/conferences.html). If you have any questions, contact us at aaai05@aaai.org.

The current AAAI-05 Conference Committee is listed in the sidebar. Please check the web site for updates on paper submission deadlines and other important guidelines. We hope to see you in Pittsburgh next summer!

NEW!!

AAAI First Annual General Game Playing Competition

AAAI is pleased to announce the First Annual Game Playing Competition, to be held in conjunction with AAAI-05 in Pittsburgh, Pennsylvania, July 9–13. The AAAI Competition is designed to test the abilities of general game playing systems by comparing their performance on a variety of games. The competition will consist of two phases: a qualification round and a runoff competition. A $10,000 prize will be awarded to the winning entrant. The competition is open to all computer systems, except those generated by affiliates of Stanford University. Sorry, no human players allowed. For a complete call for participation, please see the AAAI website (www.aaai.org/Conferences/National/2005/aaai05.html). The competition website (games.stanford.edu) contains further details, including the description of the underlying framework, the game description language, and the programmatic interfaces necessary to play the games.

Student Scholar and Volunteer Program

We are pleased to announce the continuation of its Student Scholar and Volunteer Programs. The Student Scholar Program provides partial travel support for students who are full-time undergraduate or graduate students at colleges and universities; are members of AAAI; submit papers to the conference program or letters of recommendation from their faculty advisor; and submit scholarship applications to AAAI by April 15, 2005. In addition, repeat scholarship applicants must have fulfilled the volunteer and reporting requirements for previous awards. If scholarship applications exceed available funds, preference will be given to students who have an accepted technical paper, and then to students who are actively participating in the conference in some way. However, all eligible students are encouraged to apply.

After the conference, an expense report will be required to account for the funds awarded. For further information about the scholarship program, or to obtain an application, please contact AAAI at scholarships05@aaai.org, or 445 Burgess Drive, Menlo Park, CA 94025. Telephone: (650) 328-3123.

The Student Volunteer Program is an essential part of the conference and student participation is a valuable contribution. Volunteers will support AAAI organizers in Pittsburgh, Pennsylvania. In 2005, a limited number of complimentary technical program registrations will be available for students who volunteer during the conference. Preference will be given to student scholars for the volunteer positions. Local students or students not requiring travel assistance can apply for the Volunteer Program if openings are available. AAAI membership is required for eligibility. For further information regarding the Student Volunteer Program, please contact AAAI at volunteer05@aaai.org. The deadline for volunteer applications is April 15, 2005.

Bruce Buchanan Receives the
Distinguished Service Award from President Ron Brachman.

AAAI 2004 Fall Symposium Series

The American Association for Artificial Intelligence's 2004 Fall Symposium Series will be held Friday through Sunday, October 22–24, Hyatt Regency Crystal City, Arlington Virgina, adjacent to Washington, DC. The symposium series will be preceded on Thursday, October 21 by a one-day AI funding seminar, which will be open to all registered attendees of the fall symposium series. The titles of the eight symposia are as follows:

- Achieving Human-Level Intelligence through Integrated Systems and Research
- Artificial Multiagent Learning
- Compositional Connectionism in Cognitive Science
- Dialogue Systems for Health Communications
- The Intersection of Cognitive Science and Robotics: From Interfaces to Intelligence
- Making Pen-Based Interaction Intelligent and Natural
- Real Life Reinforcement Learning
- Style and Meaning in Language, Art, Music, and Design

A general plenary session, in which the highlights of each symposium will be presented, will be held on Saturday, October 23, and an informal reception will be held on Friday, October 22. Symposia will be limited to between forty and sixty participants. Each participant will be expected to attend a single symposium. In addition to invited participants, a limited number of other interested parties will be allowed to register in each symposium on a first-come, first-served basis. Working notes will be prepared and distributed to participants in each symposium, but will not otherwise be available unless published as an AAAI technical report or edited collection.

The final deadline for registration is October 1, 2004. For registration information, please contact AAAI at fss04@aaai.org or visit AAAI's web site (www.aaai.org/Symposia/Fall/2004/fss-04.html). A hotel room block has been reserved at the Hyatt Regency. The cut-off date for reservations is September 27, 2004. Please call 703-418-1234 or 800-233-1234 for further information, or see the link for online reservations at the URL previously mentioned.

2005 AAAI Fall Symposium Series

Please watch the AAAI Symposium website (www.aaai.org/Symposia/Fall/fall-symposia.html) for updates on plans for the 2005 Fall Symposium Series. The great response to the call for proposals in 2004 will likely result in the continuation of this program in 2005.

Please Join Us for the 2005 AAAI Spring Symposium Series

We are pleased to announce the 2005 Spring Symposium Series, to be held Monday through Wednesday, March 21-23, 2005, at Stanford University. The topics of the eight symposia will be as follows:

- AI Technologies for Homeland Security
- Challenges to Decision Support in a Changing World
- Developmental Robotics
- Dialogical Robots: Verbal Interaction with Embodied Agents and Situated Devices
- Knowledge Collection from Volunteer Contributors (KCVC05)
- Metacognition in Computation
- Persistent Assistants: Living and Working with AI
- Reasoning with Mental and External Diagrams: Computation Modeling and Spatial Assistance

Symposia will be limited to between forty and sixty participants. Each participant will be expected to attend a single symposium. Working notes will be prepared and distributed to participants in each symposium. A general plenary session, in which the highlights of each symposium will be presented, will be held on Tuesday, March 22, and an informal reception will be held on Monday, March 21. In addition to invited participants, a limited number of other interested parties will be able to register in each symposium on a first-come, first-served basis. Registration information will be available by De-

cember 15, 2004. Please contact AAAI at sss05@aaai.org or visit our web site (www.aaai.org/Symposia/Spring/2005/sss-05.html) for details.

Submissions for the symposia are due on October 8, 2004. Notification of acceptance will be given by November 5, 2004. Material to be included in the working notes of the symposium must be received by January 31, 2005. The complete call for participation is available at the URL previously cited.

AAAI Executive Council Nominations

Every two years, the AAAI membership elects an individual to serve a two-year term as president-elect, followed by two years as president, and, finally, two years as immediate past president. In addition, every year four new councilors are elected to serve three-year terms on the AAAI Executive Council. All elected councilors are expected to attend, at a minimum, two council meetings per year, and actively participate in AAAI activities. Nominees must be current members of AAAI. The Nominating Committee encourages all regular members in good standing to place an individual's name before them for consideration. (Student and library members are not eligible to submit candidates' names.) The Nominating Committee, in turn, will nominate one candidate for president-elect and eight candidates for councilor in the spring. In addition to members' recommendations, the committee will actively recruit individuals in order to provide a balanced slate of candidates. AAAI members will vote in the late spring.

To submit a candidate's name for consideration, please send the individual's name, address, phone number, and e-mail address to Carol Hamilton, Executive Director, AAAI, 445 Burgess Drive, Menlo Park, CA 94025; by fax to 650/321-4457; or by e-mail to hamilton@aaai.org. Nominators should contact candidates prior to submitting their names to verify that they are willing to serve, should they be elected. The deadline for nominations is November 1, 2004.

Artificial Intelligence Journal Online Access

AAAI is delighted to continue its cooperative effort with *AI Journal,* giving unlimited access to the online version of the *Artificial Intelligence Journal* to all regular AAAI members. AAAI regular members can view and browse tables of contents, view articles published in recent issues of *AI Journal,* and use the current features available through Elsevier's electronic journal service. They may also view, print, and/or download excerpts of reasonable quantity, provided that the use of such excerpts is personal and does not amount to, or result in, commercial distribution. Participation in this program is included in your normal AAAI membership dues.

If you are a current regular member, you can use your AAAI membership number to log on to the journal at https://cs.sciencedirect.com/activate/artint/members. If you need your AAAI membership number, please write to membership04@aaai.org. For customer service for the *AI Journal,* please write to usinfo@sciencedirect.com.

SRI's Shakey Inducted into Hall of Fame

Carnegie Mellon University has selected SRI International's pioneering Shakey robot for induction into the Robot Hall of Fame. Shakey and four other celebrated robots will be honored in a ceremony on October 11 at the Carnegie Science Center in Pittsburgh, Pennsylvania. Shakey was the first autonomous mobile robot capable of sensing its environment and then navigating its own course.

"Shakey was the project that put the SRI Artificial Intelligence Center on the map," said Ray Perrault, AI Center director. "It really was fundamental, not only to robotics but to AI in general."

SRI International's Artificial Intelligence Center (AIC) developed Shakey over a six-year period beginning in 1966. The first mobile robot to visually interpret its environment, Shakey can locate items, navigate around them, and reason about its actions.

Named for its erratic and jerky style of movement, Shakey stands six feet tall and is equipped with a TV camera, a triangulating range finder, bumpers, and a wireless video system. Today, the robot resides in the Computer History Museum in Mountain View, California.

This year's robots were selected by a jury with backgrounds in technology, science fiction and entertainment including Steve Wozniak, cofounder of Apple, Inc.; Sir Arthur C. Clarke, writer and futurist; and Ruzena Bajcsy, a roboticist at the University of California, Berkeley.

The School of Computer Science at Carnegie Mellon University established the Robot Hall of Fame (www.robothalloffame.org) in 2003 to honor landmark achievements in robotics technology and the increasing contributions of robots to human endeavors. Two categories of robots are honored in the Robot Hall of Fame: Robots from Science—which have served a useful function and demonstrated real skills in accomplishing the purpose for which they were created—and Robots from Science Fiction. Shakey enters into the Hall of Fame this year in the Robots from Science category.

The Shakey project was led by the late Charles Rosen. Other major contributors include Nils Nilsson, Alfred Brain, Bertram Raphael, Richard Duda, Peter Hart, Richard Fikes, Richard Waldinger, Thomas Garvey, Jay Tenenbaum, and Michael Wilber.

David Fogel Receives 2004 IEEE Kiyo Tomiyasu Award

David Fogel, CEO of Natural Selection, Inc.®, has been recognized with the 2004 IEEE Kiyo Tomiyasu Award, one of the technical field awards of the Institute of Electrical and Electronics Engineers (IEEE). The award honors outstanding early to mid-career contributions to technologies holding the promise of innovative applications. It is presented with a bronze medal, certificate, and cash honorarium. Fogel's citation will read: "For outstanding contributions to the science and technology of computational intelligence and to

the development and expansion of that field."

In Memoriam

Frank Anger died in a tragic automobile accident on July 7, 2004. He was Deputy Director of the Division of Computing and Communications Foundations in the Directorate of Computer and Information Science and Engineering (CISE) at the National Science Foundation (NSF). Anger received a B.A. in mathematics from Princeton University, a Ph.D. in mathematics from Cornell University, and a Ph.D. in computer science from the University of Florida. He had been a professor of computer science at the University of West Florida and Florida Institute of Technology, and on the mathematics faculty of the University of Puerto Rico, the University of Auckland in New Zealand, University of Kansas, and Massachusetts Institute of Technology.

He was a founder of the Software Engineering Research Forum and a cofounder of the Florida Artificial Intelligence Research Symposium, and served as vice president and as treasurer of the International Society of Applied Intelligence. Together with his wife and long-term research collaborator Rita Rodriguez, he was the principal organizer of a series of workshops on spatial and temporal reasoning held at the world's major artificial intelligence conferences each year since 1993. He was a member of the editorial board of the *Applied Intelligence Journal,* and served as the guest editor for several special issues of scientific journals.

AAAI Executive Council Minutes

March 21, 2004
Palo Alto, California

Attending: Rom Brachman, Tim Finin, Yolanda Gil, Jim Hendler, Hyam Hirsh, Craig Knoblock, Alan Mackworth, Maja Mataric, Deborah McGuinness, Andrew Moore, Peter Norvig, Ted Senator, Yoav Shoham, Carol Hamilton, Mike Hamilton

The meeting commenced at 1:00
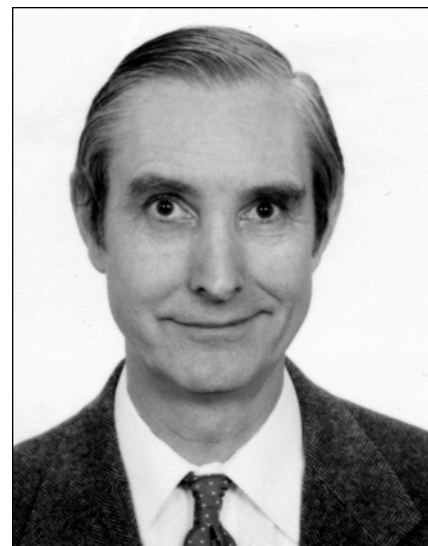
Frank Anger.

PM with a welcome by AAAI President Ron Brachman and introductions by those in attendance.

Standing Committee Reports

Conference: AAAI-04 program cochair Deborah McGuinness gave a brief review of preparations for the conference in San Jose. There were 453 submitted papers, and 121 acceptances. 222 program committee members and 23 senior program committee members conducted a blind review of the papers. Program committee members bid on papers through the online submission system, and, for the first time, reviews, recommendations, and notifications were all made through the online system. The presentation format will return to traditional parallel sessions in 2004, and an opening reception will be given at the conference hotel.

Other programs to be held at the conference include IAAI-04, the Intelligent Systems Demonstrations, the AAAI Robot Competition and Exhibition, the SIGART/AAAI Doctoral Consortium, the Student Abstract and Poster program, the Tutorial Forum, and the Workshop program. Submissions to the IAAI-04 conference have increased 17 percent since 2002, while the IS Demos and Doctoral Consortium programs had double the number of submissions. In addition to these programs, the KISS Institute

A Possible Future AI Scientist Queries Grace at AAAI–04.

for Practical Robotics will collocate the National Conference on Educational Robotics and the National Botball Tournament in San Jose. These events are expected to draw about 350 high school students as well as their teachers and families.

McGuinness made several recommendations for future chairs, including the following: (1) introduce a best student paper award, (2) review previous year's keyword allocation before final recruitment of program committee members, (3) require the senior program committee members to carefully review the reviews, (4) dis-

pense with the blind review (this recommendation was favored by over half of the senior program committee members), (5) possibly increase the page limit for submitted papers, (6) retain the ConfMaster system, with suggested improvements by the 2004 program cochairs, and finally (7) do not return to the 2002 model of a single oral presentation track.

Conference Committee chair Jim Hendler announced the chairs for AAAI-05—Manuela Veloso and Subbarao Kambhampati. Hendler recommended that the senior program committee should include more

women. He also recommended that all senior program committee members should have previously served a minimum of three years on the program committee.

Finance: AAAI Secretary-Treasurer Ted Senator reviewed the current plan to reduce AAAI's deficit. The goal had been to reduce it by $300,000 each year for three years. A formal plan will be made to work toward this goal after more review by the Executive Committee. The first increment has been achieved. Once the deficit has been reduced, the hope is to maintain the operating reserve at a stable level.

Awards/Fellows/Nominating: Carol Hamilton reported that 24 nominations were under consideration for Fellow this year, and decisions will be made in early April. The Awards Committee and Nominating Committee will also be reviewing candidates for the AAAI Special Awards and the Executive Council in April and May.

Membership: Carol Hamilton reported that the AAAI Membership saw another decline during the past 12 months. Although IJCAI-03 nonmembers were offered a complimentary six-month subscription, only 16 have opted to activate a paid membership. The addition of a platinum registration level for the spring symposium has been more successful. Hamilton will provide final numbers at the summer Council meeting. The Council encouraged the Membership Committee to develop some additional programs to attract new members.

Publications: Mike Hamilton, on behalf of Publications Chair David Leake, reported that submissions to *AI Magazine* continue to come in steadily, and, with planned special issues, the magazine is nearly complete for the coming year. An online article submissions system has been implemented. The AAAI Press is currently seeking a new Editor-in-Chief, and a final announcement is expected at the summer meeting. The Press has several edited collections in production, and is publishing the ICAPS, KR, and FLAIRS proceedings, as well as AAAI's meeting proceedings and technical reports. The MIT Press,

AAAI's publishing partner for the AAAI/IAAI proceedings, is discouraging AAAI from producing a hard copy version of the proceedings. The AAAI website now contains over 13,000 papers, available for download by AAAI members. The Press is investigating the creation of course packs, print on demand, and retrieval by subject.

Grants: Carol Hamilton reported that the grants budget had been significantly reduced for 2004 in several areas. The overall budget for 2004 was $323,400. However, these allocations were reviewed, and some grants or subsidies were lowered or eliminated. The women and minority budget was reduced to $5,000, and no new requests will be considered this year. National conference student scholarships were lowered to $35,000, the Intel Science Fair Awards were reduced from twelve to ten $500 awards, and the AAAI Special Awards were reduced to $1,000 each for the Distinguished Service Award and the Classic Paper Award. The Expository Writing Award was suspended. (For further budget decisions, please see new and old business below.)

Symposium: Carol Hamilton reported that the attendance at the eight 2004 spring symposia was about the same as that in 2003. The Fall Symposium Series will feature eight symposia as well as a funding seminar. There was no Fall Symposium held in 2003. No decision has been made about a Fall Symposium in 2005.

Old Business

Computing Research Association: Tim Finin, AAAI's liaison to the CRA, reported that Thuc Vu, an AI student at Carnegie Mellon University, received the CRA 2004 Outstanding Male Undergraduate Award, which will be presented at AAAI-04. Several other AI students, who received awards and honorable mentions, will also be honored at AAAI. Barbara Grosz and Dave Waltz will complete their three-year terms on the CRA board this summer. CRA continues to hold its annual Computing Leadership Summit for presidents and executive directors of its affiliate societies, as well as its Academic Careers Workshop for new faculty and advanced graduate students in computer-related disciplines. The Snowbird conference will be held July 11–13 in Utah. Peter Harsha, CRA's Director of Government Affairs, has begun a computing research policy blog (www.cra.org/govaffairs/blog) for news items and analysis for the computing research community. The CRA has published the results of the 2002-2003 Taulbee study, which includes data on enrollment, production, and employment of Ph.D.'s in computer science and computer engineering, as well as salary and demographic information for faculty.

Botball: The National Botball Tournament will be held at AAAI-04. A request for $20,000 in support from AAAI was discussed in light of the current AAAI budget. After some discussion, this request was not approved.

AAAI-05 Site Selection: At the 2003 summer meeting, the Council asked Carol Hamilton to check into the possibility of a campus venue for AAAI-05. Hamilton investigated several sites in the mountain states and Boston. Of these, MIT turned out to be the most promising. However, the space was somewhat spread out, and the Council decided to pursue some other avenues before a final decision is made. Sites in Denver and Albuquerque, as well as other Boston locations, will be considered.

JAIR: Following the recommendation of the Council last summer, Ron Brachman, Ted Senator, David Leake, and Mike Hamilton worked out an agreement with *JAIR* to take over the production and distribution of the hard copy of the journal. The electronic version of *JAIR* will also be included in the AAAI Digital Library. This project has been approved on an experimental basis with the idea that it will be revenue neutral, but cannot exceed net expenses of $15,000 during the next two years.

New Business

AAAI-04 Conference Fees: A proposal to increase fees over the 2002 rates by no more than five percent in most cases (and sometimes less) was adopted. In addition, a small tutorial program fee will be introduced which will cover up to four tutorials.

Ethical Use of AI: A proposal to amend the bylaws to include some additional wording addressing this issue in the purpose statement for the association was tabled until further editing can be done. The proposal will be reconsidered through e-mail correspondence with the Council.

AAAI-05: Manuela Veloso, cochair for AAAI-05, made several suggestions for the conference, including a multimedia display of accomplishments in AI over the past 50 years. A call for videos would be published in *AI Magazine.* She also proposed the development of a family tree of AI, starting with the attendees at the Dartmouth conference. This exhibition would be further expanded at IJCAI-05. No definite decision was made about either of these projects, and Manuela will be refining her requests for the summer meeting.

AAAI-06/AI's 50th Anniversary: Jim Hendler reported that an international effort to celebrate the fiftieth anniversary of AI was beginning to form. He suggested that AAAI lead this effort, and that events be collocated with AAAI-06. An investment of time and money is needed. The National Science Foundation has expressed interest in helping with this effort. Hendler suggested the formation of an anniversary committee. Haym Hirsh volunteered to serve on this committee as well.

Strategic Planning: Ron Brachman addressed the council about the need for strategic planning during the coming years. The strategic planning committee will be convened as soon as sufficient feedback and data is gathered. He also asked for feedback from the council about which programs might be reduced to help achieve the budgetary goals. A few of these suggestions will be implemented immediately, as outlined under the grants report above. Others will be studied by the executive committee and more information will be gathered before final decisions are made. Suggestions for increasing participation and memberships were also encouraged. It was suggested that a sponsor chair be added to the conference committee.

The meeting adjourned at 5:15 PM.

AAAI–04 Highlights
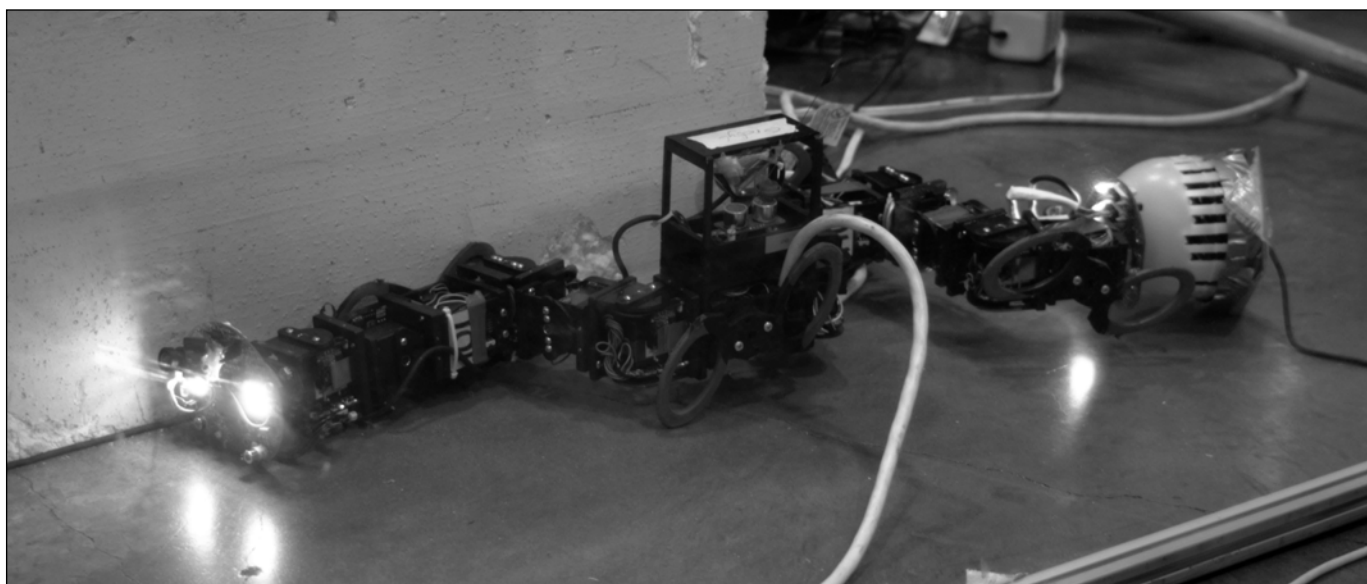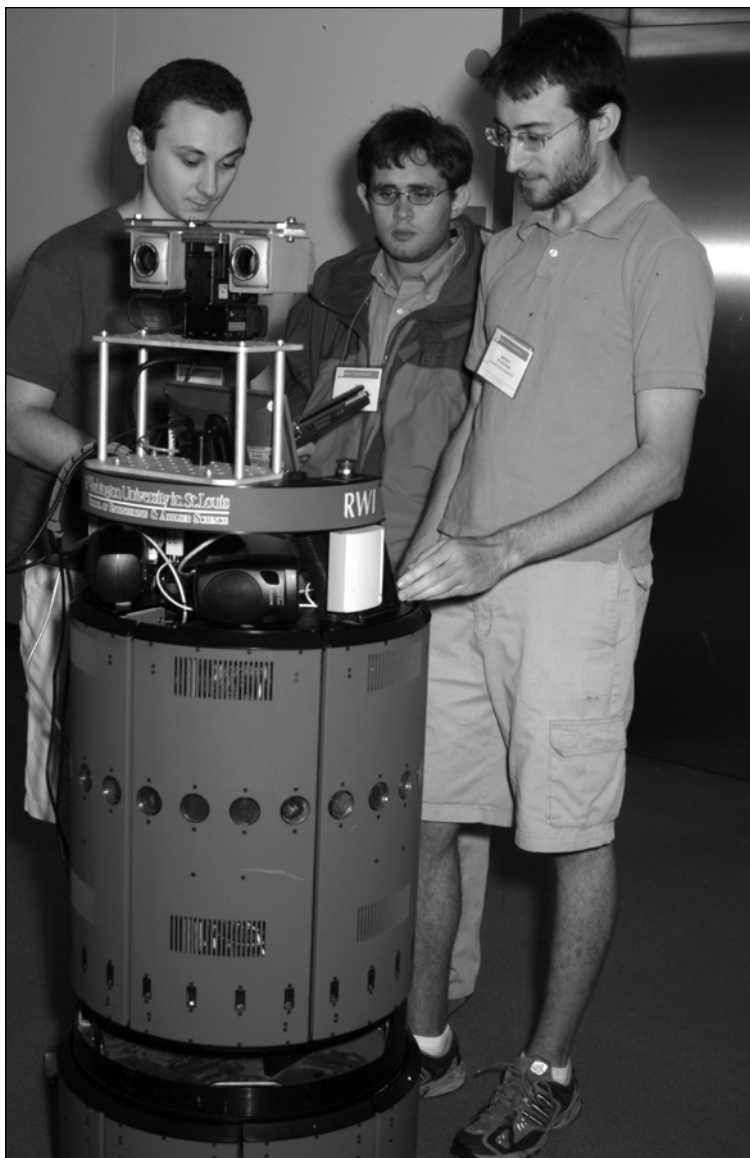
AAAI Statement of Financial Position, December 31, 2003

Assets
Current Assets:

Cash	$	200,668
Investments—Stated at Fair Market Value (Note 1A & 3)		7,444,860
Accounts Receivable—Trade		63,796
Inventory (Note 1B)		199,893
Prepaid Expenses		46,569
Total Current Assets		7,955,786
Furniture, Fixtures & Equipment, Net (Note 1C)		32,578
Deposits		5,279
	$	7,993,643

Liabilities and Net Assets
Current Liabilities:

Accounts Payable and Accrued Expenses	$	149,596
Unearned Membership Fees (Note 4)		246,940
Total Current Liabilities		396,536
Net Assets—Unrestricted		7,597,107
	$	7,993,643

Statement of Activities and Changes in Net Assets for the Year Ended December 31, 2003

Changes in Net Assets: Gross Profit (Loss), By Activity:

AI Magazine Revenue	$ 5,022		
AI Magazine Expenses	(183,802)	$	(178,780)
Memberships Revenue (Note 4)	298,493		
Memberships Expenses	(118,126)		180,367
AAAI Press Revenue	79,865		
AAAI Press Cost of Sales	(97,005)		(17,140)
Spring Symposium 2003 Revenue	80,096		
Symposium Expenses	(67,954)		12,142
IJCAI-03 Tutorials Revenue	40,120		
Tutorials Expenses	(58,311)		(18,191)
IJCAI-03 Workshop Revenue	52,254		
Workshop Expenses	(84,334)		(32,080)
IAAI-03 Revenue	27,095		
IAAI Expenses	(39,374)		(12,279)
IJCAI-03 Technical Program Revenue	362,384		
Program Expenses	(377,177)		(14,793)
Conference Service Fees	52,400		
Conference Service Expenses	(52,400)		- 0 -
IJCAI-03 Revenue	106,990		
IJCAI-03 Common Expenses	(106,990)		- 0 -
IJCAI-03 Exhibits Revenue	11,900		
Exhibits Expenses	(22,970)		(11,070)
Prior Year Events Revenue	41,325		
Expenses	(1,312)		40,013
KDD Sponsorship			8,950
Interest & Dividend Income (investments & cash accounts)			210,007
Realized & Unrealized Gains on Investments (Note 1A)			1,064,992
Investment Management Fees			(64,478)
Grants & Scholarships Expended			(306,335)
Gross Profit (Loss), Combined			861,325
Operating Expenses			(546,646)
Net (Increase) in Net Assets			314,679
Net Assets—January 1, 2003			7,282,428
Net Assets—December 31, 2003		$	7,597,107

Independent Auditor's Report

The Board of Directors
American Association For Artificial Intelligence
Menlo Park, California

I have audited the statement of financial position of American Association for Artificial Intelligence as of December 31, 2003 and the related statements of activities, changes in net assets and cash flows for the year then ended. These financial statements are the responsibility of the Association's management. My responsibility is to express an opinion on these financial statements based on the audits.

I conducted the audits in accordance with generally accepted auditing standards. Those standards require that I plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. I believe that the audits provide a reasonable basis for my opinion.

In my opinion, the financial statements referred to above present fairly, in all material respects, the financial position of American Association for Artificial Intelligence as of December 31, 2003 and the results of operations and cash flows for the year then ended, in conformity with generally accepted accounting principles.

Robert H. Burnham

Robert H. Burnham

Notes to Financial Statements, December 31, 2003

Note 1: Summary of Significant Accounting Policies

A. Method of Accounting:
The financial statements are presented on the accrual basis of accounting.

As required by Financial Accounting Standards No. 124 investments are stated at fair market value, and realized and unrealized gains and losses are combined on the statement of activities.

B. Inventory:
Magazine, proceedings, conference books and publications in process inventory is valued at the lower of cost or market value as of December 31, 2003.

C. Furniture, Fixtures and Equipment:
Furniture, fixtures and equipment are stated at cost, less accumulated depreciation. Depreciation is computed on the straight-line method over estimated useful lives of five to ten years. Furniture, fixtures and equipment consist of the following at December 31, 2003.

Cost	$ 228,073
Accumulated depreciation	(195,495)
Net	$ 32,578

D. Income Taxes:
American Association for Artificial Intelligence is exempt from income taxes on its earning from investments and its exempt function operations under Section 501(c)(3) of the Internal Revenue Code and Section 23701(d) of the California Revenue and Taxation Code. Federal and California taxes were paid during 2003 on earnings from sales of mailing lists and advertising.

Note 2: Operations
The American Association for Artificial Intelligence (AAAI) was formed in 1979 as a scientific society, to encourage the basic knowledge of what constitutes intelligent thought and behavior and how it can be exhibited in computers. This is accomplished by the AI Magazine, the publications of the AAAI Press, the National Conference on Artificial Intelligence (NCAI), the Conference on Innovative Applications of Artificial Intelligence (IAAI), the International Conference on Knowledge Discovery and Data Mining, the Mobile Robot Competition, the Symposium Series, and the AAAI Workshop Program. In addition, AAAI has an extensive program for student scholarships, women and minority grants, and sponsorship of independent workshops and conferences. Finally, AAAI's World Wide Web Site serves as a central resource for individuals involved in AI research.

Note 3: Investments at December 31, 2003
Investments are stated at fair market value since it is readily determinable and the investments are not necessarily being held to any maturity. Realized and unrealized gains and losses are reported in the statement of activities.

Statement of Cash Flows for the Year Ended December 31, 2003

Cash Flows From Operating Activities:

Net Increase in Net Assets	$ 314,679
Adjustments to Reconcile Change in Net Assets to Net Cash Flows From Operations:	
Depreciation Expense	16,290
Net (Increase) in Accounts Receivable	(54,453)
Net Decrease in Inventory	21,470
Net Decrease in Prepaid Expenses	18,271
Net (Decrease) in Accounts Payable	(43,462)
Net Increase in Unearned Membership Fees	35,436
Net Unrealized and Realized Gains on Investments	(1,064,992)
Net Cash Flows From Operating Activities	(756,761)

Cash Flow From Investing Activities:

Purchase of Furnishings & Equipment, Net	(14,921)
Sale of Investments, Net of Purchases of Investments	622,698
Net Cash Flow From Investing Activities	607,777
Net Increase (Decrease) in Cash	(148,984)
Cash—January 1, 2003	349,652
Cash—December 31, 2003	$ 200,668

Investment activity for 2003 is as follows:

Investments - Beginning of year (At fair market value)	$ 7,002,566
Unrealized & Realized gains	1,064,992
Interest & Dividends (Investments only)	208,080
Total Return On Investments	8,275,638
Purchases of Investments	4,307,628
Sales of Investments	(4,930,326)
Interest & Dividends deposited to Cash	(208,080)
Investments — End of Year	$ 7,444,860

Investments consist of the following at 12-31-2003:

U.S. Obligations & Corp. Fixed Income	$ 2,973,624
Common/Preferred Stocks	4,471,236
Total Investments —Unrestricted	$ 7,444,860

Note 4: Memberships
Annual membership in the American Association for Artificial Intelligence (which includes a subscription price to the AI magazine of $40 per year) is $95 for individuals, $35 for student members, and $190 for academic/corporate libraries. $40 is added to the above for other than U.S. members. Three, five year, and lifetime memberships are also available. All Revenue from memberships is included in the AI Memberships gross profit center. Revenues from membership fees are earned ratably over the respective membership period. Lifetime membership fees are recognized as income over ten years.

Note 5: Pension Benefits
American Association for Artificial Intelligence sponsors a pension plan under Section 403 (B) of the Internal Revenue Code. The company contributes to individual accounts five percent of their salaries for regular, full-time employees who have worked a minimum of three years at AAAI. In addition, AAAI will match employees' contributions up to five percent of their salaries for regular, full-time employees who have worked a minimum of five years at AAAI.

Note 6: Lease Commitments
The American Association for Artificial Intelligence entered into a lease agreement for its office space expiring on Septmember 30, 2008. The Association is committed to make minimum annual lease payments of $98,243 for 2004, $101,190 for 2005, $104,225 for 2006, $107,353 for 2007, and $82,313 for 2008.