AI Magazine Volume 13 Number 1 (1992) (© AAAI)

AI Magazine Index 1980-1991

AAAI President's Message, 1(1): Spring 1980, 1-4.

AAAI President's Message, 2(1): Winter 1980, 1.

AAAI *see* American Association for Artificial Intelligence.

AAAI Workshop on Nonmonotonic Reasoning, 6(2): Summer 1985, 92-93.

AAAI-82 Conference Schedule, 3(3): Summer 1982, 34-44.

AAAI-83: National Conference on Artificial Intelligence, 4(2): Summer 1983, 3-4.

AAAI-86 Conference Exhibits, The: New Directions for Commercial Artificial Intelligence, 8(1): Spring 1987, 49-54.

AAAI-86: Experimenting with a New Conference Format, 6(4): Winter 1986, 93-95.

AAAI-90 Workshop on Qualitative Vision, 12(4): Winter 1991, 25-27.

Abbott, Kathy *see* Orlando, Nancy.

Abhyankar, R. B. *Review of Computing with Logic: Logic Programming with Prolog,* 9(4): Winter 1988, 83.

Adeli, H. and Balasubramanian, K. V. *A Novel Approach to Expert Systems for Design of Large Structures,* 9(4): Winter 1988, 54-63.

Adelson, Beth *see* Hendler, James.

Advanced Architectures Project, The, 10(4): Winter 1989, 26-39.

Advanced Computational Methods Center, University of Georgia, The, 7(1): Spring 1986, 74-76.

AI and Molecular Biology: 1990 Spring Symposium Report, 11(3): Fall 1990, 27.

AI in Manufacturing at Digital, 7(5): Winter 1986, 53-57.

AI Planning: Systems and Techniques, 11(2): Summer 1990: 61-77.

AI Research at Bolt, Beranek & Newman, Inc. 3(2): Spring 1982, 44-46.

AI-Based Methodology for Factory Design, An, 7(4): Fall 1986, 72-85.

AI-Based Schedulers in Manufacturing Practice: Report of a Panel Discussion, 11(5): January 1991, 46-55

AIer's Lament, An, 6(2): Summer 1985, 54-56.

Akman, Varol and ten Hagen, Paul J. W. *The Power of Physical Representations,* 10(3): Fall 1989, 49-65.

Akman, Varol. *Review of Actors: A Model of Concurrent Computation in Distributed Systems,* 11(4): Winter 1990, 92-95.

Alexander Lerner: A Biographical Sketch, 5(1): Spring 1984, 79-80

Alexander, Jim *see* Freiling, Michael.

Allemang, Dean *see* Chandrasekaran, B.

Alterman, Richard *see* Hendler, James.

Altmann, Gerry *Cognitive Models of Speech Processing: Psycholinguistic and Computational Perspectives,* 10(4): Winter 1989, 20-22.

Amarel, Saul and Steinberg, Louis. *Artificial Intelligence and Marine Design,* 11(1): Spring 1990: 14-17.

Amarel, Saul *Review of The Fifth Generation,* 4(3): Fall 1983, 94.

Amarel, Saul. *The History of Artificial Intelligence at Rutgers,* 6(3): Fall 1985, 192-202.

American Association for Artificial Intelligence. *AAAI-82 Conference Schedule,* 3(3): Summer 1982, 34-44.

American Association for Artificial Intelligence. *AAAI-83: National Conference on Artificial Intelligence,* 4(2): Summer 1983, 3-4

American Association for Artificial Intelligence. *By-Laws of the American Association for Artificial Intelligence,* 2(1): Winter 1980, 38-42; also 6(1): Spring 1985, 86-90.

Andress, K. M. *see* Kak, Avi.

Anton, John J. *see* Nii, H. Penny

Applications Development Using a Hybrid Artificial Intelligence Development System, 5(3): Fall 1984, 41-54.

Approach to Verifying Completeness and Consistency in a Rule-Based Expert System, An, 3(4): Fall 1982, 16-21.

Approximate Processing in Real-Time Problem Solving, 9(1): Spring 1988.

Apte, Chidanand *see* Kastner, John.

Arciadiacono, Thomas C. *Review of An Artificial Intelligence Approach to Legal Reasoning,* 9(3): Fall 1988, 90-91.

Arkin, Ronald C. *see* Goel, Ashok K.

Artificial Intelligence and Brain-Theory Research at Computer and Information Science Department, University of Massachusetts, 3(1): Winter 1981, 16-20.

Artificial Intelligence and Ethics: An Exercise in the Moral Imagination, 7(2): Summer 1986, 70-79.

Artificial Intelligence and Legal Reasoning: A Discussion of the Field and Gardner's Book, 9(3): Fall 1988, 45-55.

Artificial Intelligence and Marine Design, 11(1): Spring, 1990: 14-17.

Artificial Intelligence and Molecular Biology, 11(5): January 1991, 27-36.

Artificial Intelligence at Advanced Information and Decision Systems, 2(2): Summer 1981, 44-47.

Artificial Intelligence at MITRE, 6(3): Fall 1985, 228-232.

Artificial Intelligence at Schlumberger, 5(4): Winter 1985, 80-82.

Artificial Intelligence in Canada: A Review, 5(4): Winter 1985, 50-58.

Artificial Intelligence in Medicine: 1990 Spring Symposium Report, 11(3): Fall 1990, 27-28.

Artificial Intelligence in Transition, 5(3): Fall 1984, 17-20.

Artificial Intelligence Needs More Emphasis on Basic Research: President's Quarterly Message, 4(4): Winter 1983, 5.

Artificial Intelligence Prepares for 2001, 4(4): Winter 1983, 7-14.

Artificial Intelligence Research and Applications at the NASA Johnson Space Center, Part Two, 7(3): August 1986, 146-152

Artificial Intelligence Research and Applications at the NASA Johnson Space Center: Part One, 7(2): Summer 1986, 101-115.

Artificial Intelligence Research at Carnegie-Mellon University, 2(1): Winter 1980, 29-34.

Artificial Intelligence Research at General Electric, 6(3): Fall 1985, 220-226.

Artificial Intelligence Research at GTE Laboratories, 5(3): Fall 1984, 75-77.

Artificial Intelligence Research at NASA Langley Research Center, 5(3): Fall 1984, 79-80.

Artificial Intelligence Research at Rutgers, 3(2): Spring 1982, 36-43.

Artificial Intelligence Research at The Ohio State University, 6(2): Summer 1985, 74-79.

Artificial Intelligence Research at the Artificial Intelligence Laboratory, Massachusetts Institute of Technology, 4(2): Summer 1983, 44-48.

Artificial Intelligence Research at the Information Sciences Institute, 5(1): Spring 1984, 65-69.

Artificial Intelligence Research at the University of California, Los Angeles, 6(3): Fall 1985, 210-218.

Artificial Intelligence Research at the University of Maryland, 5(1): Spring 1984, 59-63.

Artificial Intelligence Research at the University of Michigan, 6(2): Summer 1985, 64-72.

Artificial Intelligence Research at Vanderbilt University, 5(2): Summer 1984, 71-72.

Artificial Intelligence Research Capabilities of the Air Force Institute of Technology, 6(1): Spring 1985, 74-76.

Artificial Intelligence Research in Australia—A Profile, 8(2): Summer 1987, 77-83.

Artificial Intelligence Research in Engineering at North Carolina State University, 6(2): Summer 1985, 80-82.

Artificial Intelligence Research in France, 6(1): Spring 1985, 22-30

Artificial Intelligence Research in Progress at the Courant Institute, New York University, 7(5): Winter 1986, 82-86.

Artificial Intelligence Research in Statistics, 5(4): Winter 1985, 72-75.

Artificial Intelligence Research in the Heuristic Programming Project, 4(3): Fall 1983, 81-92.

Artificial Intelligence Research in the People's Republic of China: A Review, 4(4): Winter 1983, 43-48

Artificial Intelligence Techniques and Methodology, 3(2): Spring 1982, 47.

Artificial Intelligence, Employment, and Income, 5(2): Summer 1984, 5-14.

Artificial Intelligence: A Rand Perspective, 7(2): Summer 1986, 54-64.

Artificial Intelligence: An Assessment of the State-of-the-Art and Recommendations for Future Directions, 4(3): Fall 1983, 55-67.

Artificial Intelligence: Some Legal Approaches

and Implications, 4(2): Summer 1983, 5-16

Artificial Laboratories, 10(2): Summer 1989, 43-48.

Assembly Sequence Planning, 11(1): Spring 1990: 62-81.

Assessment of Tools for Building Large Knowledge-Based Systems, An, 8(4): Winter 1987, 81-89.

Automated Abduction: 1990 Spring Symposium Report, 11(3): Fall 1990, 28-29.

Bachant, Judith *see* McDermott, John.

Badler, Norman and Webber, Bonnie. *Task Communication through Natural Language and Graphics,* 11(5): January 1991, 71-73.

Baird, Mike; Thorndyke, Perry W.; and Tenenbaum, Jay M. *Kvetoslav "Slava" Prazdny,* 8(4): Winter 1987, 105.

Balusubramanian, K. V. *see* Adelhi, H.

Banerji, Ranan B. *see* Ernst, George W.

Banishment of Paper-Work, The, 4(2): Summer 1983, 31-33.

Barnett, Jeffrey A. *An AIer's Lament,* 6(2): Summer 1985, 54-56.

Barr, Avron. *Natural Language Understanding,* 1(1): Spring 1980, 5-10.

Barrett, Stu *see* Kempf, Karl.

Barstow, David R. *A Perspective on Automatic Programming,* 5(1): Spring 1984, 5-27.

Barstow, David R. *Artificial Intelligence at Schlumberger,* 5(4): Winter 1985, 80-82.

Bartel, Gene *see* Fox, Mark.

Barzilay, Amos *see* Hart, Peter E.

Basic Artificial Intelligence Research at the Georgia Institute of Technology, 12(2): Summer 1991, 17-32.

Bates, Madeleine. *AI Research at Bolt, Beranek & Newman, Inc.* 3(2): Spring 1982, 44-46.

Baum, Larry *see* Dodhiawala, Rajendra.

Bayesian Networks without Tears, 12(4): Winter 1991, 50–63.

Benge, Carey. *East Texas State University Computer Center,* 7(1): Spring 1986, 77-78.

Berliner, Hans. *Deep Thought Wins Fredkin Intermediate Prize,* 10(2): Summer 1989, 89-90.

Berliner, Hans. *Hitech Becomes First Computer Senior Master,* 9(3): Fall 1988, 85-87.

Berliner, Hans. *Hitech Defeats Denker in AGS Challenge Match,* 10(1): Spring 1989, 83-84.

Berliner, Hans. *Hitech Wins Chess Tourney,* 8(4): Winter 1987, 101-102.

Berliner, Hans. *New Hitech Computer Chess Success,* 9(2): Summer 1988, 133.

Berliner, Hans. *The Fredkin Challenge Match,* 2(2): Summer 1981, 30-33.

Bhansali, Sanjay. *Domain-Based Program Synthesis Using Planning and Derivational Analogy,* 12(3): Fall 1991, 31-33.

Bierre, Pierre. *The Professor's Challenge,* 5(4): Winter 1985, 60-70.

Big Problems for Artificial Intelligence, 9(1): Spring 1988, 19-22.

Biggs, Stanley F. *see* Selfridge, Mallory.

Binford, Tom and McCarthy, John. *Research in Progress in Robotics at Stanford University,* 2(1): Winter 1980, 27-28.

Biologist Looks at Cognitive Artificial Intelligence, A, 6(2): Summer 1985, 38-43.

Black, John B. *Review of The Architecture of Cognition,* 5(1): Spring 1984, 71-72.

Black, Michael J. *Review of The Connection Machine,* 7(3): Conference 1986, 169.

Blackboard Model of Problem Solving and the Evolution of Blackboard Architectures, The, 7(2): Summer 1986, 38-53.

Blackboard Systems: Blackboard Application Systems, Blackboard Systems from a Knowledge Engineering Perspective, 7(3): Conference 1986, 82-106.

Blackwell, Simon Y. *Review of Knowledge-Based Systems,* 10(4): Winter 1989, 64.

Blake, Andrew *see* Lim, William.

Bledsoe, Woody. *I Had a Dream: AAAI Presidential Address,* 7(1): Spring 1986, 57-61.

Bobrow, Daniel D. *see also* Stefik, Mark.

Bobrow, Daniel G *Dimensions of Interaction: AAAI–90 Presidential Address,* 12(3): Fall 1991, 64-80.

Bock, Peter. *The Emergence of Artificial Intelligence: Learning to Learn,* 6(3): Fall 1985, 180-190.

Bonasso, R. Peter. *What AI Can Do for Battle Management: A Report of the First AAAI Workshop on AI Applications to Battle Management,* 9(3): Fall 1988, 77-83.

Bourne, David Alan. *CML: A Meta-Interpreter for Manufacturing,* 7(4): Fall 1986, 86-96

Bourne, John R. *Artificial Intelligence Research at Vanderbilt University,* 5(2): Summer 1984, 71-72.

Brachman, Ronald J. and Schmolze, Jim. *Second KL-One Workshop,* 3(1): Winter 1981, 15

Brachman, Ronald J. *I Lied about the Trees, or Defaults and Definitions in Knowledge Representation,* 6(3): Fall 1985, 80-93.

Brachman, Ronald J. *Research at Fairchild,* 4(1): Spring 1983, 45-46.

Brachman, Ronald J. *see also* Mazzetti, Claudia.

Breese, Jack. *Review of The Principles and Applications of Decision Analysis, Review of Decision Analysis and Behavioral Research,* 9(1): Spring 1988, 124-126.

Breese, John S. *see* Henrion, Max.

Briggs, Rick. *Knowledge Representation in Sanskrit and Artificial Intelligence,* 6(1): Spring 1985, 32-39.

Briggs, Rick. *Review of the First National Conference on Knowledge Representation and Inference in Sanskrit,* 8(2): Summer 1987, 99.

Brown, David C. *A Graduate-Level Expert Systems Course,* 8(3): Fall 1987, 33-39.

Brownston, Lee S. *Review of The Media Lab,* 11(1): Spring 1990: 99-100.

Buchanan, Bruce G. *Introduction to the COMTEX Microfiche Edition of Memos from the Stanford University Artificial Intelligence Laboratory,* 4(4): Winter 1983, 37-41.

Buettner, Wolfram; Estenfeld, Klaus; Haugeneder, Han; and Struss, Peter. *Directions in AI Research and Applications at Siemens Corporate Research and Development,* 11(1): Spring 1990: 20-27

Bundy, Alan. *How to Get the Most out of IJCAI-83,* 4(1): Spring 1983, 35-36.

Bundy, Alan. *IJCAI Policy on Multiple Publication of Papers,* 10(1): Spring 1989, 73-75.

Bundy, Alan. *The Nature of AI: A Reply to Schank,* 4(4): Winter 1983, 29-31.

Bundy, Alan. *What Is the Well-Dressed AI Educator Wearing Now?* 3(1): Winter 1981, 13-14.

By-Laws of the American Association for Artificial Intelligence, 2(1): Winter 1980, 38-42; also 6(1): Spring 1985, 86-90.

Bylander, Tom and Mittal, Sanjay. *CRSL: A Language for Classificatory Problem Solving and Uncertainty Handling,* 7(3): August 1986, 66-77.

Bylander, Tom *see also* Hendler, James.

Calistri-Yeh, Randall J. *Classifying and Detecting Plan-Based Misconceptions for Robust Plan Recognition,* 12(3): Fall 1991, 34-35

Callisto: An Intelligent Project Management System, 7(5): Winter 1986, 34-52.

Carberry, Sandra. *First International Workshop on User Modeling,* 8(3): Fall 1987.

Carberry, Sandra. *Second International Workshop on User Modeling,* 11(5): January 1991, 57-60.

Carbonell, Jaime G. and Sleeman, Derek. *Artificial Intelligence Techniques and Methodology,* 3(2): Spring 1982, 47.

Carbonell, Jaime G. *Artificial Intelligence Research at Carnegie-Mellon University,* 2(1): Winter 1980, 29-34.

Carbonell, Jaime G.; Michalski, Ryszard S.; and Mitchell, Tom M. *Machine Learning: A Historical and Methodological Analysis,* 4(3): Fall 1983, 69-79.

Case-Based Reasoning: 1990 Spring Symposium Report, 11(3): Fall 1990, 29.

Case-Based Reasoning: A Research Paradigm, 12(1): Spring 1991, 42-55.

Center for Automation and Intelligent Systems Research, The, Case Western Reserve University, 7(1): Spring 1986, 69-73.

Center for the Study of Language and Information Research Program on Situated Language, 5(2): Summer 1984, 65-70.

Center for the Study of Language and Information. *Center for the Study of Language and Information Research Program on Situated Language,* 5(2): Summer 1984, 65-70.

Cercone, Nick *see* McCalla, Gordon.

Chace, William M. *Intelligence, Artificial and Otherwise,* 5(4): Winter 1985, 22-25.

Chalfan, Kathryn M *A Knowledge System That Integrates Heterogeneous Software for a Design Application,* 7(2): Summer 1986, 80-84.

Chalmers, Robert A. *Review of The Rise of the Expert Company,* 10(2): Summer 1989, 96.

Chandrasekaran, B. and Smith, Jack W. *Tenth Annual Workshop on Artificial Intelligence in Medicine: An Overview,* 6(2): Summer 1985, 84-90.

Chandrasekaran, B. *Artificial Intelligence Research at The Ohio State University,* 6(2): Summer 1985, 74-79.

Chandrasekaran, B. *Design Problem Solving: A Task Analysis,* 11(4): Winter 1990, 59-71

Chandrasekaran, B. *On Evaluating Artificial Intelligence Systems for Medical Diagnosis,* 4(2): Summer 1983, 34-37, 48.

Chandrasekaran, B. *see also* Hendler, James, and McDermott, Drew.

Chandrasekaran, B. *Towards a Taxonomy of Problem-Solving Types,* 4(1): Spring 1983, 9-17.

Chandrasekaran, B.; Goel, Ashok; and Allemang, Dean. *Connectionism and Information Processing Abstractions,* 9(4): Winter 1988, 24-34.

Chapman, David. *Penguins Can Make Cake,* 10(4): Winter 1989, 45-50.

Charniak, Eugene. *Bayesian Networks without Tears,* 12(4): Winter 1991, 50-63.

Checking a Knowledge-Based System for Consistency and Completeness, 8(2): Summer 1987, 69-75.

Cheikes, Brant A. *Research in Artificial Intelligence at the University of Pennsylvania,* 7(3): August 1986, 128-144.

Cherniak, Christopher. *The Wager,* 7(3): August 1986, 120-124.

Clancey, William J. *From Guidon to*

Neomycin and Heracles in Twenty Short Lessons, 7(3): August 1986, 40-60.

Clancey, William J *Review of A Practical Guide to Designing Expert Systems,* 5(4): Winter 1985, 84-86.

Clancey, William J. *Review of States of Mind,* 4(4): Winter 1983, 61-66.

Clancey, William J *see also* Woolf, Beverly Park.

Classifying and Detecting Plan-Based Misconceptions for Robust Plan Recognition, 12(3): Fall 1991, 34-35

CML: A Meta-Interpreter for Manufacturing, 7(4): Fall 1986, 86-96

Cognitive Expert Systems and Machine Learning: Artificial Intelligence Research at the University of Connecticut, 8(1): Spring 1987, 75-79

Cognitive Models of Speech Processing: Psycholinguistic and Computational Perspectives, 10(4): Winter 1989, 20-22

Cognitive Technologies: The Design of Joint Human-Machine Cognitive Systems, 6(4): Winter 1986, 86-92.

Cohen, Paul and Howe, Adele. *How Evaluation Guides AI Research: The Message Still Counts More Than the Medium,* 9(4): Winter 1988, 35-43.

Cohen, Paul R. *A Survey of the Eighth National Conference on Artificial Intelligence: Pulling Together or Pulling Apart?* 12(1): Spring 1991, 16-41.

Cohen, Paul R. and Grinberg, Milton R *A Theory of Heuristic Reasoning about Uncertainty,* 4(2): Summer 1983, 17-24.

Cohen, Paul R.; Davis, Alvah; Day, David; Greenberg, Michael; Kjeldsen, Rick; Lander, Susan; and Loiselle, Cynthia. *Representativeness and Uncertainty in Classification Schemes,* 6(3): Fall 1985, 136-149

Cohen, Paul R.; Greenberg, Michael L ; Hart, David M.; and Howe, Adele E. *Trial by Fire: Understanding the Design Requirements for Agents in Complex Environments,* 10(3): Fall 1989, 32-48

Cohn, Anthony G. *see* Frisch, Alan M.

Colby, Kenneth Mark. *Reloading a Human Memory: A New Ethical Question for Artificial Intelligence Technology,* 6(4): Winter 1986, 63-64.

Collins, Gregg. *Yale Artificial Intelligence Project,* 2(2): Summer 1981, 42-44.

Commercial AI Trends Seen at AAAI-87, 8(4): Winter 1987, 93-95.

Comparing Artificial Intelligence and Genetic Engineering: Commercialization Lessons, 5(4): Winter 1985, 44-47.

Components of Expertise, 11(2): Summer 1990: 28-49

Computational Metaphor and Artificial Intelligence, The: A Reflective Examination of a Theoretical Falsework, 12(1): Spring 1991, 64-79

Computational Model of Reasoning from the Clinical Literature, A, 10(1): Spring 1989, 49-57.

Computer Science Network, The, 3(4): Fall 1982, 40-41.

Computing Facilities for AI: A Survey of Present and Near-Future Options, 2(1): Winter 1980, 16-23

Concurrent Logic Programming, Metaprogramming, and Open Systems, 9(1): Spring 1988, 115-116.

Connectionism and Information Processing Abstractions, 9(4): Winter 1988, 24-34.

Constructing and Maintaining Detailed Production Plans: Investigations into the Development of K-B Factory Scheduling, 7(4): Fall 1986, 45-61.

Controlling a Black-Box Simulation of a Spacecraft, 12(1): Spring 1991, 56-63

Conway, Lynn *see also* Stefik, Mark

Cooper, Gregory F and Musen, Mark A. *Artificial Intelligence in Medicine: 1990 Spring Symposium Report,* 11(3): Fall 1990, 27-28.

Corkill, Daniel *see* Lesser, Victor

Coupling Symbolic and Numerical Computing in Knowledge-Based Systems, 8(2): Summer 1987, 85-90.

Covington, Michael *see* Nute, Donald.

Covrigaru, Arie A., and Lindsay, Robert K., *Deterministic Autonomous Systems,* 12(3): Fall 1991, 110-117.

Cox, Preston A. *see* Laffey, Thomas J.

Coyne, R. D *Design Reasoning without Explanations,* 11(4): Winter 1990, 72-80.

Creating a Scientific Community at the Interface between Engineering Design and AI, 11(4): Winter 1990, 18-22.

Critiquing Human Judgment Using Knowledge-Acquisition Systems, 11(3): Fall 1990, 60-79.

Cross, Stephen *see* Milne, Robert.

CRSL: A Language for Classificatory Problem Solving and Uncertainty Handling, 7(3): August 1986, 66-77.

CSCW '86 Conference Summary Report, 8(3): Fall 1987, 87-88.

Current Issues in Natural Language Generation: An Overview of the AAAI Workshop on Text Planning and Realization, 10(3): Fall 1989, 27-29.

Current State of AI: One Man's Opinion, The, 4(1): Spring 1983, 3-8.

CYC: A Midterm Report, 11(3): Fall 1990, 32-59.

CYC: Using Common Sense Knowledge to Overcome Brittleness and Knowledge-Acquisition Bottlenecks, 6(4): Winter 1986, 65-85.

DAI Workshop Report, 8(2): Summer 1987, 91-97

Darden, Lindley. *Viewing the History of Science as Compiled Hindsight,* 8(2): Summer 1987, 33-41.

Dark Ages of AI, The: A Panel Discussion at AAAI-84, 6(3): Fall 1985, 122-134.

DARPA Santa Cruz Workshop on Planning, 9(2): Spring 1988, 115-131.

Databases in Large AI Systems, 10(4): Winter 1989, 17-19

Davis, Alvah *see* Cohen, Paul R.

Davis, Ernest and Grishman, Ralph. *Artificial Intelligence Research in Progress at the Courant Institute, New York University,* 7(5): Winter 1986, 82-86.

Davis, Larry S *see* Minker, Jack.

Davis, Randall *A Tale of Two Knowledge Servers,* 12(3): Fall 1991, 118-120

Davis, Randall. *Expert Systems: How Far Can They Go? Part One,* 10(1): Spring 1989, 61-67.

Davis, Randall. *Expert Systems: How Far Can They Go? Part Two,* 10(2): Summer 1989, 65-77.

Davis, Randall. *Expert Systems: Where Are We? And Where Do We Go from Here?* 3(2): Spring 1982, 3-22.

Day, David *see* Cohen, Paul R

de Garis, Hugo. *What If AI Succeeds? The Rise of the Twenty-First Century Artilect,* 10(2): Summer 1989, 17-22.

Decision Analysis and Expert Systems, 12(4): Winter 1991, 64-91.

Deep Thought Wins Fredkin Intermediate Prize, 10(2): Summer 1989, 89-90

Defense of Reaction Plans as Caches, In, 10(4): Winter 1989, 51-60

Design Problem Solving: A Task Analysis, 11(4): Winter 1990, 59-71.

Design Prototypes: A Knowledge Representation Schema for Design, 11(4): Winter 1990, 26-36

Deterministic Autonomous Systems, 12(3): Fall 1991, 110-117

Developing a Knowledge Engineering Capability in the TRW Defense Systems Group, 6(2): Summer 1985, 58-63.

Development of Commercial Expert Systems, On the, 5(3): Fall 1984, 61-73.

Dhar, Vasant; Lewis, Barry; and Peters, James. *A Knowledge-Based Model of Audit Risk,* 9(3): Fall 1988, 56-63.

di Piazza, Joseph S. and Helsabeck, Frederick A *Laps: Cases to Models to Complete Expert Systems,* 11(3): Fall 1990, 80-107

Dickerson, Donald J *see* Selfridge, Mallory

Dickson, Edward M *Comparing Artificial Intelligence and Genetic Engineering: Commercialization Lessons,* 5(4): Winter 1985, 44-47

Dietrich, Eric. *The First International Workshop on Human and Machine Cognition, Pensacola, Florida. Topic: The Frame Problem,* 11(5): January 1991, 60-64.

Differing Methodological Perspectives in Artificial Intelligence Research, 6(3): Fall 1985, 166-178.

Dimensions of Interaction: AAAI–90 Presidential Address, 12(3): Fall 1991, 64-80

Directions in AI Research and Applications at Siemens Corporate Research and Development, 11(1): Spring 1990: 20-27.

Discovery and Generation of Certain Heuristics, On the, 4(1): Spring 1983, 23-33.

Distributed Vehicle Monitoring Testbed, The: A Tool for Investigating Distributed Problem-Solving Networks, 4(3): Fall 1983, 15-33.

Dodhiawala, Rajendra; Jagannathan, Vasudevan; Baum, Larry; and Skillman, Tom. *The First Workshop on Blackboard Systems,* 10(1): Spring 1989, 77-80

Domain-Based Program Synthesis Using Planning and Derivational Analogy, 12(3): Fall 1991, 31-33.

Donald A Waterman 1936-1987, 8(1): Spring 1987, 24-25

Doyle, Jon. *Big Problems for Artificial Intelligence,* 9(1): Spring 1988, 19-22.

Doyle, Jon *Expert Systems without Computers, or Theory and Trust in Artificial Intelligence,* 5(2): Summer 1984, 59-63.

Doyle, Jon *Methodological Simplicity in Expert System Construction: The Case of Judgments and Reasoned Assumptions,* 4(2): Summer 1983, 39-43

Doyle, Jon. *What Is Rational Psychology? Toward a Modern Mental Philosophy,* 4(3): Fall 1983, 50-53.

Doyle, Jon *What Should Artificial Intelligence Want from the Supercomputers?* 4(4): Winter 1984, 31, 33-35

Drummond, Mark, *see* Hendler, James.

Duda, Richard O. *see* Hart, Peter E.

Durfee, Edmund *see* Lesser, Victor R

Dyer, Michael G. *Artificial Intelligence Research at the University of California, Los Angeles,* 6(3): Fall 1985, 210-218

Dyer, Michael G. *see also* Hendler, James

Dym, Clive L. *see* Mittal, Sanjay

East Texas State University Computer Center, 7(1): Spring 1986, 77-78

Ecclesiastes: A Report from the Battlefields of the Mind-Body Problem, 8(3): Fall 1987, 63-69

Editorial, 11(2): Summer 1990: 10

Eiselt, Kurt P *see* Goel, Ashok K.

Emergence of Artificial Intelligence, The: Learning to Learn, 6(3): Fall 1985, 180-190.

Enabling Technology for Knowledge Sharing, 12(3): Fall 1991, 36-56.

Engel, Bernard A. *see* Stone, Nicholas D.

Engelmore, Robert S. *Donald A. Waterman 1936-1987,* 8(1): Spring 1987, 24-25

Engelmore, Robert S. *Editorial,* 11(2): Summer 1990, 10

Engelmore, Robert S. *Reflections on the ARPA Experience,* 3(1): Winter 1981, 11.

Ernst, George W and Banerji, Ranan B *On the Relationship between Strong and Weak Problem Solvers,* 4(2): Summer 1983, 25-29.

Essay Concerning Robotic Understanding, An, 11(3): Fall 1990, 12-13.

Estenfeld, Klaus *see* Buettner, Wolfram.

Etherington, David. *AAAI Workshop on Nonmonotonic Reasoning,* 6(2): Summer 1985, 92-93.

Evaluating Artificial Intelligence Systems for Medical Diagnosis, On, 4(2): Summer 1983, 34-37, 48.

Evidence Accumulation and Flow of Control in a Hierarchical Spatial Reasoning System, 9(2): Summer 1988, 75-94.

Experience with INTELLECT: Artificial Intelligence Technology Transfer, 5(2): Summer 1984, 43-50

Experimental Comparison of Knowledge Representation Schemes, An, 5(2): Summer 1984, 29-36.

Expert Systems in Government Administration, 10(1): Spring 1989, 69-71.

Expert Systems without Computers, or Theory and Trust in Artificial Intelligence, 5(2): Summer 1984, 59-63.

Expert Systems: How Far Can They Go? Part One, 10(1): Spring 1989, 61-67.

Expert Systems: How Far Can They Go? Part Two, 10(2): Summer 1989, 65-77.

Expert Systems: Where Are We? And Where Do We Go from Here? 3(2): Spring 1982, 3-22

Explanation, The 1988 AAAI Workshop on, 10(3): Fall 1989, 22-26.

Fahlman, Scott. *Computing Facilities for AI: A Survey of Present and Near-Future Options,* 2(1): Winter 1980, 16-23.

Fayyad, Usama; Laird, John E ; and Irani, Keki B. *The Fifth International Conference on Machine Learning,* 10(2): Summer 1989, 79-84

Feigenbaum, Edward A. *AAAI President's Message,* 2(1): Winter 1980, 1

Feigenbaum, Edward A. *see also* Nii, H. Penny

Feldman, Jerome *An Essay Concerning Robotic Understanding,* 11(3): Fall 1990, 12-13.

Fifth International Conference on Machine Learning, The, 10(2): Summer 1989, 79-84.

Fikes, Richard E. *A Representation System User Interface for Knowledge Base Designers,* 3(4): Fall 1982

Fikes, Richard E *Minutes of the Fourth Annual Meeting of the American Association for Artificial Intelligence,* 5(1): Spring 1984, 77.

Fikes, Richard E. *see also* Neches, Robert.

Findler, Nicholas V., and Sengupta, Uttam. *An Overview of Some Recent and Current Research in the AI Lab at Arizona State University,* 12(3): Fall 1991, 22-29.

Finin, Tim *see* Neches, Robert

Firschein, Oscar. *Review of Three-Dimensional Computer Vision,* 9(2): Summer 1988, 136

First International Workshop on Human and Machine Cognition, The, Pensacola, Florida. Topic: The Frame Problem, 11(5): January 1991, 60-64

First International Workshop on User Modeling, 8(3): Fall 1987

First Workshop on Blackboard Systems, The, 10(1): Spring 1989, 77-80.

Fischer, Gerhard *Knowledge-Based Human-Computer Communication: 1990 Spring Symposium Report,* 11(3): Fall 1990, 30.

Fischler, Martin A. *see* Pentland, Alex P.

Fisher, Edward L *An AI-Based Methodology for Factory Design,* 7(4): Fall 1986, 72-85

Forbus, Ken. *Intelligent Computer-Aided Engineering,* 9(3): Fall 1988, 23-36

Foundations and Grand Challenges of Artificial Intelligence: AAAI Presidential Address, 9(4): Winter 1988, 9-21.

Fox, Barry R. *see* Kempf, Karl.

Fox, Mark S. *see also* Smith, Stephen F.

Fox, Mark S.; Bartel, Gene; and Moravec, Hans *Introducing Carnegie-Mellon University's Robotics Institute,* 2(2): Summer 1981, 34-41.

Frail, Robert P *see* Freedman, Roy S

Framework for Representing and Reasoning about Three-Dimensional Objects for Vision, A, 9(2): Spring 1988, 47-58.

Frank, Steven J. *What AI Practitioners Should Know about the Law, Part One,* 9(1): Spring 1988, 63-75.

Frank, Steven J *What AI Practitioners Should Know about the Law, Part Two,* 9(2): Summer 1988, 109-114

Frawley, William and Goyal, Shri. *Artificial Intelligence Research at GTE Laboratories,* 5(3): Fall 1984, 75-77.

Fredkin Challenge Match, The, 2(2): Summer 1981, 30-33

Freedman, Roy S and Frail, Robert P. *OPGEN: The Evolution of an Expert System for Process Planning,* 7(5): Winter 1986, 58-70.

Freiling, Michael; Alexander, Jim; Messick, Steve; Rehfuss, Stefe; and Shulman, Sherri. *Starting a Knowledge Engineering Project: A Step-by-Step Approach,* 6(3): Fall 1985, 150-164

Friedenberg, Richard A. and Hensler, Ralph L *Strategy and Business Planning for Artificial Intelligence Companies: A Guide for Entrepreneurs,* 7(3): August 1986, 111-118.

Friedman, Leonard *Research at Jet Propulsion Laboratory,* 4(4): Winter 1983, 58-59

Friesen, Oris D. and Golshani, Forouzan *Databases in Large AI Systems,* 10(4): Winter 1989, 17-19

Frisch, Alan M. and Cohn, Anthony G. *Thoughts and Afterthoughts on the 1988 Workshop on Principles of Hybrid Reasoning,* 11(5): January 1991, 77-83.

Frisch, Alan M. and Scherl, Richard B. *A Bibliography on Hybrid Reasoning,* 11(5): January 1991, 84-87

From Guidon to Neomycin and Heracles in Twenty Short Lessons, 7(3): August 1986, 40-60.

From Society to Landscape: Alternative Metaphors for Artificial Intelligence, 12(2): Summer 1991, 69-83.

Full-Sized Knowledge-Based Systems Research Workshop, 11(5): January 1991, 788-794

Future Directions in Natural Language Processing: The Bolt Beranek and Newman Natural Language Symposium, 11(2): Summer 1990: 12-14

Gale, William A and Pregibon, Daryl. *Artificial Intelligence Research in Statistics,* 5(4): Winter 1985, 72-75

Gardner, Ann V. D. L. *Search: An Overview,* 2(1): Winter 1980, 2-6, 23.

Gasser, Les *1985 DAI Workshop Report,* 8(2): Summer 1987, 91-97.

Genesereth, Michael *see* Mazzetti, Claudia

Gero, John S. *Design Prototypes: A Knowledge Representation Schema for Design,* 11(4): Winter 1990, 26-36

Gerring, Phillip E.; Shortliffe, Edward H.; and van Melle, William *Interviewer/Reasoner Model: An Approach to Improving System Responsiveness in Interactive AI Systems,* 3(4): Fall 1982, 24-27.

Ghandchi, Hassan and Ghandchi, Jean *Intelligent Tools: The Cornerstone of a New Civilization,* 6(3): Fall 1985, 102-106.

Ghandchi, Jean *see* Ghandchi, Hassan.

Gibbons, James *see* Lenat, Douglas B

Ginsberg Replies to Chapman and Schoppers, 10(4): Winter 1989, 61-62

Ginsberg, Matthew L. *Ginsberg Replies to Chapman and Schoppers,* 10(4): Winter 1989, 61-62.

Ginsberg, Matthew L. *Knowledge Interchange Format: The KIF of Death,* 12(3): Fall 1991, 57-63

Ginsberg, Matthew L *Universal Planning: An (Almost) Universally Bad Idea,* 10(4): Winter 1989, 40-44

Gladwin, Lee A *Review of Artificial Intelligence and Psychiatry,* 8(2): Summer 1987, 101-102.

Gladwin, Lee A. *Review of Expert Micros,* 8(1): Spring 1987, 82, 115

Gladwin, Lee A. *Review of Representation and Reality,* 11(1): Spring 1990: 100-101.

Gladwin, Lee A. *Review of Simple Minds,* 11(4): Winter 1990, 93-95.

Glasgow, John C. *Yanli: A Powerful Natural Language Front-End Tool,* 8(1): Spring 1987, 40-48.

Goel, Ashok K. *see also* Chandrasekaran, B

Goel, Ashok K ; Arkin, Ronald C.; Eiselt, Kurt P.; Kolodner, Janet L.; Lawton, Daryl T.; and Ram, Ashwin *Basic Artificial Intelligence Research at the Georgia Institute of Technology,* 12(2): Summer 1991, 17-32

Goel, Vinod and Pirolli, Peter *Motivating the Notion of Generic Design within Information-Processing Theory: The Design Problem Space,* 10(1): Spring 1989, 19-36

Goldman, Robert P *Review of Intentions in Communication,* 12(4): Winter 1991, 92-96.

Golshani, Forouzan *see* Friesen, Oris D.

Gomez, Rebecca *see* Wilks, Yorick.

Gossard, David *see* Sriram, Duvvuru

Goyal, Shri *see* Frawley, William

Graduate-Level Expert Systems Course, A, 8(3): Fall 1987, 33-39

Greenberg, Michael L. *see* Cohen, Paul R.

Griesmer, James *see* Kastner, John.

Grinberg, Milton R. *see* Cohen, Paul R

Grishman, Ralph *see* Davis, Ernest.

Groleau, Nicholas *see* Sriram, Duvvuru

Grossberg, Stephen. *Review of Perceptrons,* 10(2): Summer 1989, 91-92.

Grosz, Barbara J *Utterance and Objective: Issues in Natural Language Communication* 1(1): Spring 1980, 11-20

Group Theoretic Approach to Assembly Planning, A, 11(1): Spring 1990: 82-97.

Gruber, Thomas *see* Neches, Robert.

Guarino, Nicola *see* Patel-Schneider, Peter F

Guha, R. V and Lenat, Douglas B *CYC: A Midterm Report,* 11(3): Fall 1990, 32-59.

Guoning, Song *see* Xinsong, Jiang.

Hall, Rogers P and Kibler, Dennis F. *Differing Methodological Perspectives in Artificial Intelligence Research,* 6(3): Fall 1985, 166-178.

Hamscher, Walter. *Principles of Diagnosis: Current Trends and a Report on the First International Workshop,* 12(4): Winter 1991, 15-23.

Hardt, Shoshana L. and Rapaport, William J *Recent and Current Artificial Intelligence Research in the Department of Computer Science, SUNY at Buffalo,* 7(2): Summer 1986, 91-100.

Harris, Larry R *Experience with INTELLECT: Artificial Intelligence Technology Transfer,* 5(2): Summer 1984, 43-50

Hart, David M. *see* Cohen, Paul R.

Hart, Peter E *Artificial Intelligence in Transition,* 5(3): Fall 1984, 17-20.

Hart, Peter E.; Barzilay, Amos; and Duda, Richard O *Qualitative Reasoning for Financial Assessments: A Prospectus,* 7(1): Spring 1986, 62-68.

Hart, Peter; Sacerdoti, Earl; and Untulis, Charles. *Research in Progress at the Artificial Intelligence Center, SRI International,* 1(1): Spring 1980, 30-31.

Healey, Kathleen Jurica. *Artificial Intelligence Research and Applications at the NASA Johnson Space Center, Part Two,* 7(3): Fall 1986, 146-152

Healey, Kathleen Jurica. *Artificial Intelligence Research and Applications at the NASA Johnson Space Center: Part One,* 7(2): Summer 1986, 101-115.

Heckerman, David *see* Schachter, Ross D.

Helsabeck, Frederick A. *see* di Piazza, Joseph S

Hendler, James; Chandrasekaran, B.; Adelson, Beth; Alterman, Richard; Bylander, Tom; and Dyer, Michael. *Theoretical Issues in Conceptual Information Processing,* 9(4): Winter 1988, 71-76.

Hendler, James; Tate, Austin; and Drummond, Mark. *AI Planning: Systems and Techniques,* 11(2): Summer 1990: 61-77.

Henrion, Max; Breese, John S.; and Horvitz, Eric J *Decision Analysis and Expert Systems,* 12(4): Winter 1991, 64-91.

Hensler, Ralph L. *see* Freidenberg, Richard A.

Herman, Martin *see* Walker, Ellen.

Heuristic Programming Project *Artificial Intelligence Research in the Heuristic Programming Project,* 4(3): Fall 1983, 81-92.

Heuristic Programming Project. *Research in Progress at the Heuristic Programming Project, Stanford University,* 1(1): Spring 1980, 25-30

Heuristic Search for New Microcircuit Structures: An Application of Artificial Intelligence, 3(3): Summer 1982, 17-33

High-Level Connectionist Models, 9(4): Winter 1988, 65-69

High-Road and Low-Road Programs, 3(1): Winter 1981, 21-22

Hill, William C *The Mind at AI: Horseless Carriage to Clock,* 10(2): Summer 1989, 29-41.

Hink, Robert F *How Humans Process Uncertain Knowledge: An Introduction,* 8(3): Fall 1987, 41-53.

History of Artificial Intelligence at Rutgers, The, 6(3): Fall 1985, 192-202

Hitech Becomes First Computer Senior Master, 9(3): Fall 1988, 85-87

Hitech Defeats Denker in AGS Challenge Match, 10(1): Spring 1989, 83-84

Hitech Wins Chess Tourney, 8(4): Winter 1987, 101-102.

Hoffman, Achim *Review of Machine Intelligence: A Critique of Arguments against the Possibility of Artificial Intelligence,* 11(4): Winter 1990, 95.

Hoffman, Robert R. *The Problem of Extracting the Knowledge of Experts from the Perspective of Experimental Psychology,* 8(2): Summer 1987, 53-67

Hoist: A Second-Generation Expert System Based on Qualitative Physics, 11(3): Fall 1990, 108-119.

Hollan, James D.; Hutchins, Edwin L ; and Weitzman, Louis. *STEAMER: An Interactive Inspectable Simulation-Based Training System,* 5(2): Summer 1984, 15-27

Homem de Mello, Luis S *see* Sanderson, Arthur C.

Horvitz, Eric J. *see* Henrion, Max, and Levitt, Tod S

Hovy, Eduard H.; McDonald, David D.; and Young, Sheryl R. *Current Issues in Natural Language Generation: An Overview of the AAAI Workshop on Text Planning and Realization,* 10(3): Fall 1989, 27-29

How Evaluation Guides AI Research: The Message Still Counts More than the Medium, 9(4): Winter 1988, 35-43.

How Humans Process Uncertain Knowledge: An Introduction, 8(3): Fall 1987, 41-53.

How to Get the Most out of IJCAI-83, 4(1): Spring 1983, 35-36

Howe, Adele E. *see* Cohen, Paul R.

Hull, Jonathan J *see* Srihari, Sargur N

Humans That Think: A Future Trialogue, 4(3): Fall 1983, 35.

Hunter, Lawrence. *AI and Molecular Biology: 1990 Spring Symposium Report,* 11(3): Fall 1990, 27.

Hunter, Lawrence. *Artificial Intelligence and Molecular Biology,* 11(5): January 1991, 27-36

Hutchins, Edwin L. *see* Hollan, James.

Hutchinson, Seth A and Kak, Avinash C. *Spar: A Planner that Satisfies Operational and Geometric Goals in Uncertain Environments,* 11(1): Spring 1990: 30-61.

Hypothesis Formation and Qualitative Reasoning in Molecular Biology, 11(4): Winter 1990, 9-10

I Had a Dream: AAAI Presidential Address, 7(1): Spring 1986, 57-61.

I Lied about the Trees, or Defaults and Definitions in Knowledge Representation, 6(3): Fall 1985, 80-93.

Ihara, Hirokazu *see* Niwa, Kiyoshi.

IJCAI Policy on Multiple Publication of Papers, 10(1): Spring 1989, 73-75.

Improving Human Decision Making through Case-Based Decision Aiding, 12(2): Summer 1991, 52-68

Industrialization of Artificial Intelligence, The: From By-Line to Bottom Line, 5(2): Summer 1984, 51-57.

Information Sciences Institute. *Research in Progress at the Information Sciences Institute, University of Southern California,* 1(1): Spring 1980, 22-25.

Integration of Problem-Solving Techniques in Agriculture, 10(2): Summer 1989, 85-87

Intelligence, Artificial and Otherwise, 5(4): Winter 1985, 22-25

Intelligent Computer-Aided Engineering, 9(3): Fall 1988, 23-36.

Intelligent Tools: The Cornerstone of a New Civilization, 6(3): Fall 1985, 102-106.

Intelligent-Machine Research at CESAR, 8(1): Spring 1987, 62-74.

Interface Requirements for Expert Systems, On, 10(3): Fall 1989, 66-78

Interviewer/Reasoner Model: An Approach to Improving System Responsiveness in Interactive AI Systems, 3(4): Fall 1982, 24-27.

Introducing Carnegie-Mellon University's Robotics Institute, 2(2): Summer 1981, 34-41.

Introduction to the COMTEX Microfiche Edition of Memos from the Stanford University Artificial Intelligence Laboratory, 4(4): Winter 1983, 37-41.

Introduction to the COMTEX Microfiche Edition of Reports on Artificial Intelligence from Carnegie-Mellon University, 5(3): Fall 1984, 35-39.

Introduction to the COMTEX Microfiche Edition of the Early MIT Artificial Intelligence Memo, 4(1): Spring 1983, 19-22

Introduction to the COMTEX Microfiche Edition of the SRI Artificial Intelligence Center: Technical Notes, 5(1): Spring 1984, 41-52.

Investigation of AI and Expert Systems Literature, An: 1980-1984, 10(2): Summer 1989, 53-61

Irani, Keki B. *see* Fayyad, Usama

Issues in the Design of AI-Based Schedulers: A Workshop Report, 11(5): January 1991, 37-46.

Jabri, Marwain A. *Review of Design Automation: Automated Full-Custom VLSI Layout Using the Ulysses Design Environment,* 10(4): Winter 1989, 66-67

Jacobs, Paul S *Text-Based Intelligent Systems: 1990 Spring Symposium Report,* 11(3): Fall 1990, 30-31

Jacobson, Howard E. *Research and Development Cooperation in Artificial Intelligence: Report on the U.S and Japanese Panel, IJCAI-85,* 7(2): Summer 1986, 65-69.

Jagannathan, Vasudevan *see* Dodhiawala, Rajendra.

Kahn, Kenneth M *Concurrent Logic Programming, Metaprogramming, and Open Systems,* 9(1): Spring 1988, 115-116

Kahn, Kenneth M. *Partial Evaluation, Programming Methodology, and Artificial Intelligence,* 5(1): Spring 1984, 53-57.

Kahn, Philip *see* Lim, William

Kaindl, Hermann. *Minimaxing: Theory and Practice,* 9(3): Fall 1988, 69-76

Kak, Avi and Andress, K. M. *Evidence Accumulation and Flow of Control in a Hierarchical Spatial Reasoning System,* 9(2): Summer 1988, 75-94.

Kak, Avi. *Robotic Assembly and Task Planning Editorial,* 11(1): Spring 1990: 9

Kak, Avi. *Spatial Reasoning Editorial,* 9(2): Spring 1988, 23

Kak, Avinash C *see also* Hutchinson, Seth A.

Kanade, Takeo *see* Walker, Ellen Lowenfeld.

Kao, Simon M *see* Laffey, Thomas J.

Kaplan, Jerrold. *The Industrialization of Artificial Intelligence: From By-Line to Bottom Line,* 5(2): Summer 1984, 51-57.

Karp, Peter D *Hypothesis Formation and Qualitative Reasoning in Molecular Biology,* 11(4): Winter 1990, 9-10

Kastner, John; Apte, Chidanand; and Griesmer, James *A Knowledge-Based Consultant for Financial Marketing,* 7(5): Winter 1986, 71-79.

Katke, William. *Learning Language Using a Pattern-Recognition Approach,* 6(1): Spring 1985, 64-73

Katz, Joseph L. *Artificial Intelligence at MITRE,* 6(3): Fall 1985, 228-232.

KBEmacs: Where's the AI? 7(1): Spring 1986, 47-56

Kehler, Thomas P *see* Kunz, John C

Kempf, Karl; Le Pape, Claude; Smith, Stephen F.; and Fox, Barry R. *Issues in the Design of AI-Based Schedulers: A Workshop Report,* 11(5): January 1991, 37-46

Kempf, Karl; Russell, Bruce; Sidhu, Sanjiv; and Barrett, Stu *AI-Based Schedulers in Manufacturing Practice: Report of a Panel Discussion,* 11(5): January 1991, 46-55.

Kibler, Dennis F. *see* Hall, Rogers P.

Kitzmiller, C. T and Kowalik, Janusz S *Coupling Symbolic and Numerical Computing in Knowledge-Based Systems,* 8(2): Summer 1987, 85-90

Kjeldsen, Rick *see* Cohen, Paul R.

Klahr, Philip and Waterman, Donald A. *Artificial Intelligence: A Rand Perspective,* 7(2): Summer 1986, 54-64.

Knowledge Acquisition from Multiple Experts, 6(2): Summer 1985, 32-36

Knowledge Acquisition in the Development of a Large Expert System, 8(2): Summer 1987, 43-51

Knowledge and Experience in Artificial Intelligence, 6(1): Spring 1985, 40-42

Knowledge Discovery in Real Databases: A Report on the IJCAI-89 Workshop, 11(5): January 1991, 68-70.

Knowledge Interchange Format: The KIF of Death, 12(3): Fall 1991, 57-63.

Knowledge Level, The: Presidential Address, 2(2): Summer 1981, 1-20, 33

Knowledge Programming in Loops, 4(3): Fall 1983, 3-13

Knowledge Representation in Sanskrit and Artificial Intelligence, 6(1): Spring 1985, 32-39

Knowledge System That Integrates Heterogeneous Software for a Design Application, A, 7(2): Summer 1986, 80-84.

Knowledge-Based Computer System Development Program of India, The: A Review, 12(2): Summer 1991, 33

Knowledge-Based Consultant for Financial Marketing, A, 7(5): Winter 1986, 71-79.

Knowledge-Based Environments for Teaching and Learning, 11(5): January 1991, 74-77.

Knowledge-Based Environments for Teaching and Learning: 1990 Spring Symposium Report, 11(3): Fall 1990, 29-30.

Knowledge-Based Environments for Teaching and Learning: 1990 Spring Symposium Report, 11(3): Fall 1990, 29-30

Knowledge-Based Human-Computer Communication: 1990 Spring Symposium Report, 11(3): Fall 1990, 30

Knowledge-Based System Applications in Engineering Design: Research at MIT, 10(3): Fall 1989, 79-96

Knowledge-Based Systems in Agriculture and Natural Resource Management, 11(3): Fall 1990, 20-22.

Kobsa, Alfred *see* Patel-Schneider, Peter F

Koji, Sasaki *see* Niwa, Kiyoshi

Kolodner, Janet L. *Improving Human Decision Making through Case-Based Decision Aiding,* 12(2): Summer 1991, 52-68.

Kolodner, Janet L *see also* Goel, Ashok K

Kort, Barry *Networks and Learning: MIT Industrial Liaison Program,* 11(3): Fall 1990, 16-19

Kowalik, Janusz S *see* Kitzmiller, C. T

Kramer, Bryan M *Review of Expert Systems: Techniques, Tools, and Applications,* 9(1): Spring 1988, 123-124

Krasner, Herb. *CSCW '86 Conference Summary Report,* 8(3): Fall 1987, 87-88.

Kuipers, Benjamin *see* Levitt, Tod.

Kunz, John C ; Kehler, Thomas P.; and Williams, Michael D *Applications Development Using a Hybrid Artificial Intelligence Development System,* 5(3): Fall 1984, 41-54

Kvetoslav "Slava" Prazdny, 8(4): Winter 1987, 105

LaChat, Michael R. *Artificial Intelligence and Ethics: An Exercise in the Moral Imagination,* 7(2): Summer 1986, 70-79

Lacy, Mark E *Review of Artificial Intelligence, Simulation, and Modeling,* 12(1): Spring 1991, 100-101

Lacy, Mark *Artificial Laboratories,* 10(2): Summer 1989, 43-48

Lacy, Mark. *Review of Alternate Realities: Mathematical Models of Nature and Man,* 11(2): Summer 1990: 78-79

Laffey, Thomas J ; Cox, Preston A.; Schmidt, James L ; Kao, Simon M.; and Read, Jackson Y. *Real-Time Knowledge-Based Systems,* 9(1): Spring 1988, 27-45

Laffey, Thomas J ; Perkins, Walton A ; Pecora, Deanne; and Nguyen, Tin A. *Checking a Knowledge-Based System for Consistency and Completeness,* 8(2): Summer 1987, 69-75.

Laird, John E *see* Fayyad, Usama.

Lander, Susan *see* Cohen, Paul R.

Landweber, Lawrence H *The Computer Science Network,* 3(4): Fall 1982, 40-41

Langley, Pat *see* Sleeman, Derek

Langlotz, Curtis and Shortliffe, Edward H *Logic and Decision-Theoretic Methods for Planning under Uncertainty,* 10(1): Spring 1989, 39-47

Laps: Cases to Models to Complete Expert Systems, 11(3): Fall 1990, 80-107

Laurent, Jean-Pierre *Artificial Intelligence Research in France,* 6(1): Spring 1985, 22-30.

Lawton, Daryl T. *see* Goel, Ashok K.

Le Pape, Claude *see* Kempf, Karl.

Learning from Solution Paths: An Approach to the Credit Assignment Problem, 3(2): Spring 1982, 48-52

Learning Language Using a Pattern-Recognition Approach, 6(1): Spring 1985, 64-73.

Lehnert, Wendy, and Sundheim, Beth. *A Performance Evaluation of Text-Analysis Technologies,* 12(3): Fall 1991, 81-94.

Lehnert, Wendy. *Case-Based Reasoning: 1990 Spring Symposium Report,* 11(3): Fall 1990, 29.

Lenat, Douglas B *see also* Guha, R. V.

Lenat, Douglas B ; Prakash, Mayank; and Shepherd, Mary. *CYC: Using Common Sense Knowledge to Overcome Brittleness and Knowledge-Acquisition Bottlenecks,* 6(4): Winter 1986, 65-85

Lenat, Douglas B.; Sutherland, William R.; and Gibbons, James *Heuristic Search for New Microcircuit Structures: An Application of Artificial Intelligence,* 3(3): Summer 1982, 17-33

Lesser, Victor R. and Corkill, Daniel G *The Distributed Vehicle Monitoring Testbed: A Tool for Investigating Distributed Problem-Solving Networks,* 4(3): Fall 1983, 15-33

Lesser, Victor R *Artificial Intelligence and Brain-Theory Research at Computer and Information Science Department, University of Massachusetts,* 3(1): Winter 1981, 16-20

Lesser, Victor R ; Pavlin, Jasmina; and Durfee, Edmund *Approximate Processing in Real-Time Problem Solving,* 9(1): Spring 1988.

Letovsky, Stanley *Ecclesiastes: A Report from the Battlefields of the Mind-Body Problem,* 8(3): Fall 1987, 63-69.

Levine, Ken *Review of Building Large Knowledge-Based Systems,* 11(3): Fall 1990, 126-127

Levitt, Tod and Kuipers, Benjamin. *Navigation and Mapping in Large-Scale Space,* 9(2): Spring 1988, 25-43

Levitt, Tod S. and Horvitz, Eric J *Review of Intelligent Search Strategies for Computer Problem Solving,* 8(1): Spring 1987, 81, 99.

Levitt, Tod *Uncertainty in Artificial Intelligence,* 9(4): Winter 1988, 77-78

Lewis, Barry *see* Dhar, Vasant.

Liffick, Blaise W *The Third International Conference on Artificial Intelligence and Education,* 8(4): Winter 1987, 97-99.

Lim, William; Kahn, Philip; Weinshall, Daphna; and Blake, Andrew *AAAI-90 Workshop on Qualitative Vision,* 12(4): Winter 1991, 25-27

Lindsay, Robert K *Artificial Intelligence Research at the University of Michigan,* 6(2): Summer 1985, 64-72

Lindsay, Robert K *see also* Covrigaru, Arie A

Lisp-Based Programming System with Data Abstraction, A, 4(3): Fall 1983, 37-47, 53

Liu, Yanxi *see* Popplestone, Robin J.

Logcher, Robert *see* Sriram, Duvvuru.

Logic and Decision-Theoretic Methods for Planning under Uncertainty, 10(1): Spring 1989, 39-47.

Logical versus Analogical or Symbolic versus Connectionist or Neat versus Scruffy, 12(2): Summer 1991, 34-51

Loiselle, Cynthia *see* Cohen, Paul R.

Loui, R. P *Workshop on Defeasible Reasoning with Specificity and Multiple Inheritance,* 11(5): January 1991, 65-67.

Lynch, Frank; Marshall, Charles; and O'Connor, Dennis *AI in Manufacturing at Digital,* 7(5): Winter 1986, 53-57

MacGregor, Robert *see* Patel-Schneider, Peter F.

Machine Learning: A Historical and Methodological Analysis, 4(3): Fall 1983, 69-79.

Maher, Mary Lou. *Process Models for Design Synthesis,* 11(4): Winter 1990, 49-58

Mann, William. *Artificial Intelligence Research at the Information Sciences Institute,* 5(1): Spring 1984, 65-69

Marcus, Sandra; Stout, Jeffrey; and McDermott, John *VT: An Expert Elevator Designer That Uses Knowledge-Based Backtracking,* 9(1): Spring 1988, 95-112.

Marill, Thomas *A Visit to the Tsukuba Science Exposition,* 6(3): Fall 1985, 94-100

Mark, William S *see* Patel-Schneider, Peter F

Marshall, Charles *see* Lynch, Frank

Martins, João P. *The Truth, the Whole Truth, and Nothing but the Truth,* 11(5): January 1991, 7-25

Massachusetts Institute of Technology Artificial Intelligence Laboratory *Research in Progress at the Massachusetts Institute of Technology Artificial Intelligence Laboratory,* 1(1): Spring 1980, 21-22

Maybury, Mark T. *Future Directions in Natural Language Processing: The Bolt Beranek and Newman Natural Language Symposium,* 11(2): Summer 1990: 12-14

Mazzetti, Claudia; Tenenbaum, Jay Martin; Brachman, Ronald J ; Genesereth, Michael; and Stefik, Mark *AAAI-86: Experimenting with a New Conference Format,* 6(4): Winter 1986, 93-95

McCalla, Gordon and Cercone, Nick *Artificial Intelligence in Canada: A Review,* 5(4): Winter 1985, 50-58.

McCarthy, John *see also* Binford, Tom

McCarthy, John. *Artificial Intelligence Needs More Emphasis on Basic Research: President's Quarterly Message,* 4(4): Winter

1983, 5.

McCarthy, John. *We Need Better Standards for Artificial Intelligence Research: President's Message,* 5(3): Fall 1984, 7-8

McCorduck, Pamela. *Humans That Think: A Future Trialogue,* 4(3): Fall 1983, 35.

McCune, Brian P *Artificial Intelligence at Advanced Information and Decision Systems,* 2(2): Summer 1981, 44-47.

McDermott, Drew *Review of Logic Foundations of Artificial Intelligence,* 10(3): Fall 1989, 103-105.

McDermott, Drew; Waldrop, M. Mitchell; Chandrasekaran, B.; McDermott, John; and Schank, Roger *The Dark Ages of AI: A Panel Discussion at AAAI-84,* 6(3): Fall 1985, 122-134.

McDermott, John and Bachant, Judith. *R1 Revisited: Four Years in the Trenches,* 5(3): Fall 1984, 21-32

McDermott, John *see also* Marcus, Sandra, and McDermott, Drew.

McDermott, John. *R1: The Formative Years,* 2(2): Summer 1981, 21-29.

McDonald, David D. *see* Hovy, Eduard.

McGuinness, Deborah L. *see* Patel-Schneider, Peter F.

Meltzer, Bernard. *Knowledge and Experience in Artificial Intelligence,* 6(1): Spring 1985, 40-42.

Memoriam, In: John G. Gaschnig, 3(2): Spring 1982, 2

Menzies, Tim. *An Investigation of AI and Expert Systems Literature: 1980-1984,* 10(2): Summer 1989, 53-61.

Messick, Steve *see* Freiling, Michael.

Method for Evaluating Candidate Expert System Applications, A, 9(4): Winter 1988, 44-53.

Methodological Simplicity in Expert System Construction: The Case of Judgments and Reasoned Assumptions, 4(2): Summer 1983, 39-43.

Michalski, Ryszard S *see* Carbonell, Jaime G

Michie, Donald *see also* Sammut, Claude.

Michie, Donald. *High-Road and Low-Road Programs, 3*(1): Winter 1981, 21-22.

Miller, Perry and Rennels, Glenn *Prose Generation from Expert Systems: An Applied Computational Linguistics Approach,* 9(3): Fall 1988, 37-44

Miller, Perry L. *Review of Readings in Medical Artificial Intelligence: The First Decade,* 6(4): Winter 1986, 105.

Miller, Perry L. *see also* Rennels, Glenn D.

Milne, Robert and Cross, Stephen. *Artificial Intelligence Research Capabilities of the Air Force Institute of Technology,* 6(1): Spring 1985, 74-76.

Mind at AI, The: Horseless Carriage to Clock, 10(2): Summer 1989, 29-41.

Minimaxing: Theory and Practice, 9(3): Fall 1988, 69-76.

Minker, Jack and Davis, Larry S *Artificial Intelligence Research at the University of Maryland,* 5(1): Spring 1984, 59-63.

Minker, Jack. *Alexander Lerner: A Biographical Sketch,* 5(1): Spring 1984, 79-80.

Minsky, Marvin. *Introduction to the COMTEX Microfiche Edition of the Early MIT Artificial Intelligence Memo,* 4(1): Spring 1983, 19-22.

Minsky, Marvin. *Logical versus Analogical or Symbolic versus Connectionist or Neat versus Scruffy,* 12(2): Summer 1991, 34-51.

Minsky, Marvin *Why People Think Computers Can't,* 3(4): Fall 1982, 3-15.

Minutes of the Fourth Annual Meeting of the American Association for Artificial Intelligence, 5(1): Spring 1984, 77

Minutes of the Second Annual Meeting of the American Association for Artificial Intelligence, 3(1): Winter 1981, 23-24.

Minutes of the Third Annual Meeting of the American Association for Artificial Intelligence, 4(1): Spring 1983, 51.

MIT *see* Massachusetts Institute of Technology.

Mitchell, Tom M. *see* Rockmore, A. J., and Sleeman, Derek.

Mitri, Michel *A Task-Specific Problem-Solving Architecture for Candidate Evaluation,* 12(3): Fall 1991, 95-109.

Mittal, Sanjay and Dym, Clive L. *Knowledge Acquisition from Multiple Experts,* 6(2): Summer 1985, 32-36.

Mittal, Sanjay *see also* Bylander, Tom, and Stefik, Mark.

Modeling Design Process, 11(4): Winter 1990, 37-48.

Models for Design Synthesis, 11(4): Winter 1990, 49-58.

Montanarella, Joseph. *Review of Artificial Intelligence: A Knowledge-Based Approach,* 11(1): Spring 1990: 98-99.

Moore, Brad. *"You Mean It Really Works?" or Innovated, Deployed AI Applications,* 10(3): Fall 1989, 13-15.

Moravec, Hans P. *see also* Fox, Mark S

Moravec, Hans P. *Sensor Fusion in Certainty Grids for Mobile Robots,* 9(2): Spring 1988, 61-74.

More Rational View of Logic, A, or Up Against the Wall, Logic Imperialists! 4(4): Winter 1983, 15-18.

Morik, Katharina and Rollinger, Claus-Rainer. *The Real Estate Agent: Modeling Users by Uncertain Reasoning,* 6(2): Summer 1985, 44-52.

Morton, Thomas E *see* Sathi, Arvind.

Mostow, Jack. *Toward Better Models of the Design Process,* 6(1): Spring 1985, 44-57.

Motivating the Notion of Generic Design within Information-Processing Theory: The Design Problem Space, 10(1): Spring 1989, 19-36.

Mukerjee, Amit. *Review of Knowledge-Based Design Systems,* 12(3): Fall 1991, 122-123

Murray, Arthur J. *see* Silverman, Barry G.

Musen, Mark A. *see* Cooper, Gregory F.

Musgrove, John. *Review of Expert Systems in Business: A Practical Approach,* 12(1): Spring 1991, 101-102.

Natural Language Understanding and Logic Programming, 9(1): Spring 1988, 119-120.

Natural Language Understanding, 1(1): Spring 1980, 5-10.

Nature of AI: A Reply to Schank, The, 4(4): Winter 1983, 29-31.

Navigation and Mapping in Large-Scale Space, 9(2): Spring 1988, 25-43.

Navinchandra, Dundee *see* Sriram, Duvvuru.

Nebel, Bernhard *see* Patel-Schneider, Peter F.

Neches, Robert; Fikes, Richard; Finin, Tim; Gruber, Thomas; Patil, Ramesh; Senator, Ted; and Swartout, William R *Enabling Technology for Knowledge Sharing,* 12(3): Fall 1991, 36-56.

Networks and Learning: MIT Industrial Liaison Program, 11(3): Fall 1990, 16-19.

New Hitech Computer Chess Success, 9(2): Summer 1988, 133.

New Mexico State University's Computing Research Laboratory, 9(1): Spring 1988, 79-94.

Newell, Allen. *AAAI President's Message,* 1(1): Spring 1980, 1-4.

Newell, Allen. *Introduction to the COMTEX Microfiche Edition of Reports on Artificial Intelligence from Carnegie-Mellon University,* 5(3): Fall 1984, 35-39.

Newell, Allen. *The Knowledge Level: Presidential Address,* 2(2): Summer 1981, 1-20, 33.

Newell, Allen. *The Scientific Relevance of Robotics Remarks at the Dedication of the CMU Robotics Institute,* 2(1): Winter 1980, 24-26, 34.

Next Knowledge Medium, The, 7(1): Spring 1986, 34-46.

Nguyen, Tin A. *see* Laffey, Thomas J.

Nii, H. Penny. *Blackboard Systems: Blackboard Application Systems, Blackboard Systems from a Knowledge Engineering Perspective,* 7(3): Conference 1986, 82-106.

Nii, H Penny. *The Blackboard Model of Problem Solving and the Evolution of Blackboard Architectures,* 7(2): Summer 1986, 38-53.

Nii, H. Penny; Feigenbaum, Edward A.; and Anton, John J. *Signal-to-Symbol Transformation: HASP/SIAP Case Study,* 3(2): Spring 1982, 23-35.

Nilsson, Nils J. *Artificial Intelligence Prepares for 2001,* 4(4): Winter 1983, 7-14.

Nilsson, Nils J. *Artificial Intelligence, Employment, and Income,* 5(2): Summer 1984, 5-14.

Nilsson, Nils J. *Artificial Intelligence: Engineering, Science, or Slogan?* 3(1): Winter 1981, 2-9.

Nilsson, Nils J. *In Memoriam: John G. Gaschnig,* 3(2): Spring 1982, 2.

Nilsson, Nils J. *Introduction to the COMTEX Microfiche Edition of the SRI Artificial Intelligence Center: Technical Notes,* 5(1): Spring 1984, 41-52.

Nilsson, Nils J. *Response to Drew McDermott's Review of Logical Foundations of Artificial Intelligence,* 10(3): Fall 1989, 105-106

Niwa, Kiyoshi; Sasaki, Koji; and Ihara, Hirokazu. *An Experimental Comparison of Knowledge Representation Schemes,* 5(2): Summer 1984, 29-36.

Novak, Gordon S. *GLISP: A Lisp-Based Programming System with Data Abstraction,* 4(3): Fall 1983, 37-47, 53.

Novel Approach to Expert Systems for Design of Large Structures, A, 9(4): Winter 1988, 54-63.

Nute, Donald; Covington, Michael; and Rankin, Terry. *The Advanced Computational Methods Center, University of Georgia,* 7(1): Spring 1986, 74-76.

O'Rorke, Paul. *Automated Abduction: 1990 Spring Symposium Report,* 11(3): Fall 1990, 28-29.

O'Connor, Dennis *see* Lynch, Frank.

Object-Oriented Programming: Themes and Variations, 6(4): Winter 1986, 40-62.

Ogilvie, John W. L. *Review of Artificial Intelligence: The Very Idea,* 7(1): Spring 1986, 86-87.

Online, Artificial Intelligence-Based Turbine Generator Diagnostics, 7(4): Fall 1986, 97-103.

OPGEN: The Evolution of an Expert System for Process Planning, 7(5): Winter 1986, 58-70.

Orlando, Nancy; Abbott, Kathy; and Rogers, James *Artificial Intelligence Research at NASA Langley Research Center,* 5(3): Fall 1984, 79-80.

Osborne, Robert L. *Online, Artificial Intelligence-Based Turbine Generator Diagnostics,* 7(4): Fall 1986, 97-103.

Overview of Some Recent and Current

Research in the AI Lab at Arizona State University, An, 12(3): Fall 1991, 22-29

Ow, Peng Si *see* Smith, Stephen F.

Owsnicki-Klewe, Bernd *see* Patel-Schneider, Peter F

Palumbo, Paul W. *see* Srihari, Sargur N

Pan, Jeff Yung-Choa and Tenenbaum, Jay M. *PIES: An Engineer's Do-It-Yourself Knowledge System for Interpretation of Parametric Test Data,* 7(4): Fall 1986, 62-69.

Pao, Yo-Han. *The Center for Automation and Intelligent Systems Research, Case Western Reserve University,* 7(1): Spring 1986, 69-73

Partial Evaluation, Programming Methodology, and Artificial Intelligence, 5(1): Spring 1984, 53-57

Partridge, Derek *Workshop on the Foundations of AI: Final Report,* 8(1): Spring 1987, 55-59

Patel-Schneider, Peter F.; Owsnicki-Klewe, Bernd; Kobsa, Alfred; Guarino, Nicola; MacGregor, Robert; Mark, William S ; McGuinness, Deborah L ; Nebel, Bernhard; Schmiedel, Albrecht; and Yen, John. *Term Subsumption Languages in Knowledge Representation,* 11(2): Summer 1990: 16-23.

Patil, Ramesh *see* Neches, Robert.

Pavlin, Jasmina *see* Lesser, Victor R

Pearl, Judea *On the Discovery and Generation of Certain Heuristics,* 4(1): Spring 1983, 23-33

Pecora, Deanne *see* Laffey, Thomas J.

Pecora, Vincent J. *EXPRS: A Prototype Expert System Using Prolog for Data Fusion,* 5(2): Summer 1984, 37-41

Pednault, Edwin P D. *Theory and Application of Minimal-Length Encoding: 1990 AAAI Spring Symposium Report,* 11(5): January 1991, 794-96.

Penguins Can Make Cake, 10(4): Winter 1989, 45-50.

Pentland, Alex P. and Fischler, Martin A. *A More Rational View of Logic, or Up Against the Wall, Logic Imperialists!* 4(4): Winter 1983, 15-18.

Performance Evaluation of Text-Analysis Technologies, A, 12(3): Fall 1991, 81-94.

Perkins, Walton A *see* Laffey, Thomas J.

Perspective on Automatic Programming, A, 5(1): Spring 1984, 5-27.

Peters, James *see* Dhar, Vasant.

Physical Object Representation and Generalization: A Survey of Programs for Semantic-Based Natural Language Processing, 5(4): Winter 1985, 28-41.

Piatetsky-Shapiro, Gregory *Knowledge Discovery in Real Databases: A Report on the IJCAI-89 Workshop,* 11(5): January 1991, 68-70

PIES: An Engineer's Do-It-Yourself Knowledge System for Interpretation of Parametric Test Data, 7(4): Fall 1986, 62-69.

Pirolli, Peter *see* Goel, Vinod

Polit, Stephen *R1 and Beyond: AI Technology Transfer at Digital Equipment Corporation,* 5(4): Winter 1985, 76-78

Pollack, Jordan. *High-Level Connectionist Models,* 9(4): Winter 1988, 65-69.

Popplestone, Robin J.; Liu, Yanxi; and Weiss, Rich *A Group Theoretic Approach to Assembly Planning,* 11(1): Spring 1990: 82-97

Power of Physical Representations, The, 10(3): Fall 1989, 49-65

Prakash, Mayand *see* Lenat, Douglas B

Pregibon, Daryl *see* Gale, William A

Prerau, David S *Knowledge Acquisition in the Development of a Large Expert System,* 8(2): Summer 1987, 43-51

Prerau, David S. *Selection of an Appropriate Domain for an Expert System,* 6(2): Summer 1985, 26-30

Principles of Diagnosis: Current Trends and a Report on the First International Workshop, 12(4): Winter 1991, 15-23.

Probability Concepts for an Expert System Used for Data Fusion, 5(3): Fall 1984, 55-60.

Problem of Extracting the Knowledge of Experts from the Perspective of Experimental Psychology, The, 8(2): Summer 1987, 53-67

Problem-Solving Tactics, 2(1): Winter 1980, 7-15

Professor's Challenge, The, 5(4): Winter 1985, 60-70.

Prose Generation from Expert Systems: An Applied Computational Linguistics Approach, 9(3): Fall 1988, 37-44

Prototype Expert System Using Prolog for Data Fusion, A, 5(2): Summer 1984, 37-41

Psychological Studies and Artificial Intelligence, 4(1): Spring 1983, 37-43.

Purves, William K. *A Biologist Looks at Cognitive Artificial Intelligence,* 6(2): Summer 1985, 38-43

Qualitative Reasoning for Financial Assessments: A Prospectus, 7(1): Spring 1986, 62-68

Question of Responsibility, A, 8(1): Spring 1987, 28-39.

R1 and Beyond: AI Technology Transfer at Digital Equipment Corporation, 5(4): Winter 1985, 76-78.

R1 Revisited: Four Years in the Trenches, 5(3): Fall 1984, 21-32

Ram, Ashwin *see* Goel, Ashok K

Rankin, Terry L. *Review of Heuristics: Intelligent Search Strategies for Computer Problem Solving,* 7(1): Spring 1986, 87-89

Rankin, Terry *see* Nute, Donald.

Rapaport, William J. *see* Hardt, Shoshana L

Rasdorf, William J *Artificial Intelligence Research in Engineering at North Carolina State University,* 6(2): Summer 1985, 80-82.

Rauch, Herbert E. *Probability Concepts for an Expert System Used for Data Fusion,* 5(3): Fall 1984, 55-60.

Read, Jackson Y *see* Laffey, Thomas J

Real Estate Agent, The: Modeling Users by Uncertain Reasoning, 6(2): Summer 1985, 44-52.

Real-Time Knowledge-Based Systems, 9(1): Spring 1988

Recent and Current Artificial Intelligence Research in the Department of Computer Science, SUNY at Buffalo, 7(2): Summer 1986, 91-100

Recognizing Address Blocks on Mail Pieces: Specialized Tools and Problem-Solving Architecture, 8(4): Winter 1987, 25-40

Reddy, Raj *Foundations and Grand Challenges of Artificial Intelligence: AAAI Presidential Address,* 9(4): Winter 1988, 9-21.

Reflections on the ARPA Experience, 3(1): Winter 1981, 11.

Rehfuss, Stefe *see* Freiling, Michael

Reinfrank, Michael. *Second International Workshop on Nonmonotonic Reasoning,* 10(1): Spring 1989, 81-82

Relationship between Strong and Weak Problem Solvers, On the, 4(2): Summer 1983, 25-29

Reloading a Human Memory: A New Ethical Question for Artificial Intelligence Technology, 6(4): Winter 1986, 63-64

Rendell, Larry A. *Toward a Unified Approach for Conceptual Knowledge Acquisition,* 4(4): Winter 1983, 19-27

Rennels, Glenn D.; Shortliffe, Edward H ; Stockdale, Frank E ; and Miller, Perry L *A Computational Model of Reasoning from the Clinical Literature,* 10(1): Spring 1989, 49-57.

Report on the 1984 Distributed Artificial Intelligence Workshop, 6(3): Fall 1985, 234-243

Representation System User Interface for Knowledge Base Designers, A, 3(4): Fall 1982

Representativeness and Uncertainty in Classification Schemes, 6(3): Fall 1985, 136-149

Research and Development Cooperation in Artificial Intelligence: Report on the U.S. and Japanese Panel, IJCAI-85, 7(2): Summer 1986, 65-69

Research at Fairchild, 4(1): Spring 1983, 45-46.

Research at Jet Propulsion Laboratory, 4(4): Winter 1983, 58-59

Research at the University of Texas, 4(4): Winter 1983, 55-57

Research in Artificial Intelligence at the University of Pennsylvania, 7(3): August 1986, 128-144.

Research in Progress at the Artificial Intelligence Center, SRI International, 1(1): Spring 1980, 30-31

Research in Progress at the Heuristic Programming Project, Stanford University, 1(1): Spring 1980, 25-30.

Research in Progress at the Information Sciences Institute, University of Southern California, 1(1): Spring 1980, 22-25

Research in Progress at the Massachusetts Institute of Technology, Artificial Intelligence Laboratory, 1(1): Spring 1980, 21-22.

Research in Progress in Robotics at Stanford University, 2(1): Winter 1980, 27-28.

Response to Drew McDermott's Review of Logical Foundations of Artificial Intelligence, 10(3): Fall 1989, 105-106.

Retz-Schmidt, Gudula *Various Views on Spatial Prepositions,* 9(2): Spring 1988, 95-105.

Review of A Comprehensive Guide to AI and Expert Systems: Turbo Pascal Edition, 10(1): Spring 1989, 86-87.

Review of A Mathematical Theory of Evidence, 5(3): Fall 1984, 81-83

Review of A Practical Guide to Designing Expert Systems, 5(4): Winter 1985, 84-86.

Review of A Practical Guide to Designing Expert Systems, 5(4): Winter 1985, 84-86

Review of Actors: A Model of Concurrent Computation in Distributed Systems, 11(4): Winter 1990, 92-95

Review of Alternate Realities: Mathematical Models of Nature and Man, 11(2): Summer 1990: 78-79

Review of An Artificial Intelligence Approach to Legal Reasoning, 9(3): Fall 1988, 90-91

Review of Artificial Intelligence and Psychiatry, 8(2): Summer 1987, 101-102.

Review of Artificial Intelligence and Robotics: Five Overviews, 7(1): Spring 1986, 89-90.

Review of Artificial Intelligence for Microcomputers: The Guide for Business Decision Makers, 7(5): Winter 1986, 100

Review of Artificial Intelligence, Simulation, and Modeling, 12(1): Spring 1991, 100-101.

Review of Artificial Intelligence: A Knowledge-Based Approach, 11(1): Spring 1990, 98-

99.
Review of Artificial Intelligence: The Very Idea, 7(1): Spring 1986, 86-87.
Review of Automated Reasoning: Thirty-Three Basic Research Problems, 10(3): Fall 1989, 103.
Review of Building Large Knowledge-Based Systems, 11(3): Fall 1990, 126-127.
Review of Computer Experience and Cognitive Development, 10(2): Summer 1989, 93-96.
Review of Computing with Logic: Logic Programming with Prolog, 9(4): Winter 1988, 83.
Review of Design Automation: Automated Full-Custom VLSI Layout Using the Ulysses Design Environment, 10(4): Winter 1989, 66-67.
Review of Expert Micros, 8(1): Spring 1987, 82, 115.
Review of Expert Systems for the Technical Professional, 10(1): Spring 1989, 87-88.
Review of Expert Systems in Business: A Practical Approach, 12(1): Spring 1991, 101-102.
Review of Expert Systems: Techniques, Tools, and Applications, 9(1): Spring 1988, 123-124.
Review of Genetic Algorithms in Search, Optimization, and Machine Learning, 12(1): Spring 1991, 102-103.
Review of Heuristics: Intelligent Search Strategies for Computer Problem Solving, 7(1): Spring 1986, 87-89.
Review of How Machines Think: A General Introduction to Artificial Intelligence Illustrated in Prolog, 9(4): Winter 1988, 83-84.
Review of Intelligent Search Strategies for Computer Problem Solving, 8(1): Spring 1987, 81, 99.
Review of Intentions in Communication, 12(4): Winter 1991, 92-96.
Review of Introduction to Artificial Intelligence, 7(5): Winter 1986, 100-101.
Review of Knowledge-Based Design Systems, 12(3): Fall 1991, 122-123.
Review of Knowledge-Based Systems, 10(4): Winter 1989, 64.
Review of Logic Foundations of Artificial Intelligence, 10(3): Fall 1989, 103-105.
Review of Machine Intelligence: A Critique of Arguments against the Possibility of Artificial Intelligence, 11(4): Winter 1990, 95.
Review of Manufacturing Intelligence, 11(3): Fall 1990, 127-128.
Review of Natural Language Understanding, 10(1): Spring 1989, 88-90.
Review of Neurocomputing: Foundations of Research, 10(4): Winter 1989, 64-66.
Review of On Being a Machine, 12(4): Winter 1991, 96–97.
Review of Pattern Recognition, 11(2): Summer 1990, 80-81.
Review of Perceptrons, 10(2): Summer 1989, 91-92.
Review of Readings in Medical Artificial Intelligence: The First Decade, 6(4): Winter 1986, 105.
Review of Reasoning about Change, 9(4): Winter 1988, 84-85.
Review of Representation and Reality, 11(1): Spring 1990, 100-101.
Review of Simple Minds, 11(4): Winter 1990, 93-95.
Review of Sparse Distributed Memory, 11(2): Summer 1990, 79-80.
Review of States of Mind, 4(4): Winter 1983, 61-66.
Review of The Architecture of Cognition, 5(1): Spring 1984, 71-72.
Review of The Cognitive Structure of Emotions, 12(4): Winter 1991, 97-99.
Review of The Connection Machine, 7(3): August 1986, 169.
Review of The Development of an Artificial Intelligence System for Inventory Management Using Multiple Experts, 10(2): Summer 1989, 93.
Review of The Fifth Generation, 4(3): Fall 1983, 94.
Review of The Media Lab, 11(1): Spring 1990, 99-100.
Review of The Principles and Applications of Decision Analysis, Review of Decision Analysis and Behavioral Research, 9(1): Spring 1988, 124-126.
Review of The Rise of the Expert Company, 10(2): Summer 1989, 96.
Review of the First National Conference on Knowledge Representation and Inference in Sanskrit, 8(2): Summer 1987, 99.
Review of Three-Dimensional Computer Vision, 9(2): Summer 1988, 136.
Rice, James. *The Advanced Architectures Project,* 10(4): Winter 1989, 26-39.
Rich, Elaine. *Research at the University of Texas,* 4(4): Winter 1983, 55-57.
Ringle, Martin. *Psychological Studies and Artificial Intelligence,* 4(1): Spring 1983, 37-43.
Rissland, Edwina. *Artificial Intelligence and Legal Reasoning: A Discussion of the Field and Gardner's Book,* 9(3): Fall 1988, 45-55.
Roach, John W. *see* Whitehead, J. Douglass.
Robot, Eye, and ROI: Technology Transformation versus Technology Transfer, 6(3): Fall 1985, 204-209.
Robotic Assembly and Task Planning Editorial, 11(1): Spring 1990, 9.
Rockmore, A. J. and Mitchell, Tom M. *Artificial Intelligence Research at Rutgers,* 3(2): Spring 1982, 36-43.
Rogers, James *see* Orlando, Nancy.
Rollinger, Claus-Rainer *see* Morik, Katharina
Rooker, Terry. *Review of Genetic Algorithms in Search, Optimization, and Machine Learning,* 12(1): Spring 1991, 102-103.
Rooker, Terry. *Review of Neurocomputing: Foundations of Research,* 10(4): Winter 1989, 64-66.
Rooker, Terry. *Review of Sparse Distributed Memory,* 11(2): Summer 1990, 79-80
Roth, Steven F. *see* Sathi, Arvind.
Russell, Bruce *see* Kempf, Karl.
Sacerdoti, Earl D. *Problem-Solving Tactics,* 2(1): Winter 1980, 7-15.
Sacerdoti, Earl *see* Hart, Peter.
Sacerdoti, Earl. *Robot, Eye, and ROI: Technology Transformation versus Technology Transfer,* 6(3): Fall 1985, 204-209.
Saint-Dizier, Patrick. *Natural Language Understanding and Logic Programming,* 9(1): Spring 1988, 119-120
Saint-Dizier, Patrick. *The Knowledge-Based Computer System Development Program of India: A Review,* 12(2): Summer 1991, 33.
Sammut, Claude, and Michie, Donald. *Controlling a Black-Box Simulation of a Spacecraft,* 12(1): Spring 1991, 56-63.
Samuel, Arthur L. *The Banishment of Paper-Work,* 4(2): Summer 1983, 31-33.
Sanderson, Arthur C.; Homem de Mello, Luiz S.; and Zhang, Hui *Assembly Sequence Planning,* 11(1): Spring 1990, 62-81.
Saniga, Erwin M. *Review of The Development of an Artificial Intelligence System for Inventory Management Using Multiple Experts,* 10(2): Summer 1989, 93.
Sathi, Arvind; Morton, Thomas E.; and Roth, Steven F. *Callisto: An Intelligent Project Management System,* 7(5): Winter 1986, 34-52.
Schachter, Ross D. and Heckerman, David. *Thinking Backward for Knowledge Acquisition,* 8(3): Fall 1987, 55-61.
Schank, Roger C. *The Current State of AI: One Man's Opinion,* 4(1): Spring 1983, 3-8.
Schank, Roger C. *What Is AI, Anyway?* 8(4): Winter 1987, 59-65.
Schank, Roger C. *Where's the AI?* 12(4): Winter 1991, 38-49.
Schank, Roger *see also* McDermott, Drew.
Schmidt, James L. *see* Laffey, Thomas J.
Schmiedel, Albrecht *see* Patel-Schneider, Peter F
Schmolze, Jim *see* Brachman, Ronald J.
Schoppers, Marcel J *In Defense of Reaction Plans as Caches,* 10(4): Winter 1989, 51-60.
Scientific DataLink's Artificial Intelligence Classification Scheme, 6(1): Spring 1985, 58-63.
Scientific Relevance of Robotics, The: Remarks at the Dedication of the CMU Robotics Institute, 2(1): Winter 1980, 24-26, 34.
Scott, A. Carlisle *see* Suwa, Motoi.
Search: An Overview, 2(1): Winter 1980, 2-6, 23.
Second International Workshop on Nonmonotonic Reasoning, 10(1): Spring 1989, 81-82.
Second International Workshop on User Modeling, 11(5): January 1991, 57-60.
Second KL-One Workshop, 3(1): Winter 1981, 15.
Selection of an Appropriate Domain for an Expert System, 6(2): Summer 1985, 26-30.
Selfridge, Mallory. *Review of Computer Experience and Cognitive Development,* 10(2): Summer 1989, 93-96.
Selfridge, Mallory; Dickerson, Donald J.; and Biggs, Stanley F. *Cognitive Expert Systems and Machine Learning: Artificial Intelligence Research at the University of Connecticut,* 8(1): Spring 1987, 75-79.
Senator, Ted *see* Neches, Robert.
Sengupta, Uttam *see* Findler, Nicholas V.
Sensor Fusion in Certainty Grids for Mobile Robots, 9(2): Spring 1988, 61-74.
Serrano, David *see* Sriram, Duvvuru.
Shaw, Scott W. *Review of Pattern Recognition,* 11(2): Summer 1990, 80-81.
Shepherd, Mary *see* Lenat, Douglas B.
Shortliffe, Edward H. *see* Gerring, Phillip E.; Langlotz, Curtis; Rennels, Glenn D.; and Suwa, Motoi.
Shulman, Sherri *see* Freiling, Michael.
Sidhu, Sanjiv, *see* Kempf, Karl.
Signal-to-Symbol Transformation: HASP/SIAP Case Study, 3(2): Spring 1982, 23-35.
Silverman, Barry G. *Critiquing Human Judgment Using Knowledge-Acquisition Systems,* 11(3): Fall 1990, 60-79.
Silverman, Barry G., and Murray, Arthur J. *Full-Sized Knowledge-Based Systems Research Workshop,* 11(5): January 1991, 788-794.
Simple View of the Dempster-Shafer Theory of Evidence and Its Implication for the Rule of Combination, A, 7(2): Summer 1986, 85-90.
Skillman, Tom *see* Dodhiawala, Rajendra.
Slade, Stephen. *Case-Based Reasoning: A Research Paradigm,* 12(1): Spring 1991, 42-55.

Slade, Stephen *The Yale Artificial Intelligence Project: A Brief History,* 8(4): Winter 1987, 67-76.

Slade, Stephen. *The Yale University Cognition and Programming Project,* 4(1): Spring 1983, 47-48.

Slagle, James and Wick, Michael. *A Method for Evaluating Candidate Expert System Applications,* 9(4): Winter 1988, 44-53.

Sleeman, Derek *see also* Carbonell, Jaime G.

Sleeman, Derek; Langley, Pat; and Mitchell, Tom M. *Learning from Solution Paths: An Approach to the Credit Assignment Problem,* 3(2): Spring 1982, 48-52.

Sloane, Debra *Review of How Machines Think: A General Introduction to Artificial Intelligence Illustrated in Prolog,* 9(4): Winter 1988, 83-84.

Sloane, Stephen B *The Use of Artificial Intelligence by the United States Navy: Case Study of a Failure,* 12(1): Spring 1991, 80-92

Smith, Elizabeth and Whitelaw, John. *Artificial Intelligence Research in Australia—A Profile,* 8(2): Summer 1987, 77-83

Smith, Jack *see* Chandrasekaran, B.

Smith, Reid G. *On the Development of Commercial Expert Systems,* 5(3): Fall 1984, 61-73

Smith, Reid G. *Report on the 1984 Distributed Artificial Intelligence Workshop,* 6(3): Fall 1985, 234-243.

Smith, Stephen F. *see also* Kempf, Karl

Smith, Stephen F; Fox, Mark S ; and Ow, Peng Si. *Constructing and Maintaining Detailed Production Plans: Investigations into the Development of K-B Factory Scheduling,* 7(4): Fall 1986, 45-61.

Soloway, Elliot *see* Woolf, Beverly Park.

Spar: A Planner That Satisfies Operational and Geometric Goals in Uncertain Environments, 11(1): Spring 1990: 30-61

Spatial Reasoning Editorial, 9(2): Spring 1988, 23

Sridharan, N. S. *1986 Workshop on Distributed AI,* 8(3): Fall 1987, 75-85.

Sridharan, N. S *Evolving Systems of Knowledge,* 6(3): Fall 1985, 108-120.

Srihari, Sargur N.; Wang, Ching-Huei; Palumbo, Paul W.; and Hull, Jonathan J *Recognizing Address Blocks on Mail Pieces: Specialized Tools and Problem-Solving Architecture,* 8(4): Winter 1987, 25-40.

Sriram, Duvvuru; Stephanopoulos, George; Logcher, Robert; Gossard, David; Groleau, Nicholas; Serrano, David; and Navinchandra, Dundee. *Knowledge-Based System Applications in Engineering Design: Research at MIT,* 10(3): Fall 1989, 79-96.

Stanford University *see* Heuristic Programming Project.

Starting a Knowledge Engineering Project: A Step-by-Step Approach, 6(3): Fall 1985, 150-164

STEAMER: An Interactive Inspectable Simulation-Based Training System, 5(2): Summer 1984, 15-27.

Steels, Luc. *Components of Expertise,* 11(2): Summer 1990, 28-49.

Stefik, Mark and Bobrow, Daniel G. *Object-Oriented Programming: Themes and Variations,* 6(4): Winter 1986, 40-62.

Stefik, Mark and Conway, Lynn. *Towards the Principled Engineering of Knowledge,* 3(3): Summer 1982, 4-16.

Stefik, Mark *see also* Mazzetti, Claudia.

Stefik, Mark. *The Next Knowledge Medium,* 7(1): Spring 1986, 34-46.

Stefik, Mark; Bobrow, Daniel G.; Mittal, Sanjay; and Conway, Lynn *Knowledge Programming in Loops,* 4(3): Fall 1983, 3-13.

Steier, David. *Creating a Scientific Community at the Interface between Engineering Design and AI,* 11(4): Winter 1990, 18-22.

Steinberg, Louis *see* Amarel, Saul.

Stephanopoulos, George *see* Sriram, Duvvuru.

Stockdale, Frank E. *see* Rennels, Glenn D.

Stokey, Richard. *Review of Manufacturing Intelligence,* 11(3): Fall 1990, 127-128.

Stone, Jeffrey *Commercial AI Trends Seen at AAAI-87,* 8(4): Winter 1987, 93-95

Stone, Jeffrey. *The AAAI-86 Conference Exhibits: New Directions for Commercial Artificial Intelligence,* 8(1): Spring 1987, 49-54.

Stone, Nicholas D. and Engel, Bernard A *Knowledge-Based Systems in Agriculture and Natural Resource Management,* 11(3): Fall 1990, 20-22.

Stout, Jeffrey *see* Marcus, Sandra.

Strategy and Business Planning for Artificial Intelligence Companies: A Guide for Entrepreneurs, 7(3): August 1986, 111-118.

Struss, Peter *see* Buettner, Wolfram.

Subrahmanian, V. S. *Review of Reasoning about Change,* 9(4): Winter 1988, 84-85.

Sundheim, Beth *see* Lehnert, Wendy.

Survey of the Eighth National Conference on Artificial Intelligence, A: Pulling Together or Pulling Apart? 12(1): Spring 1991, 16-41.

Sutherland, William R *see* Lenat, Douglas B.

Suthers, Dan *see* Woolf, Beverly Park.

Suwa, Motoi; Scott, A. Carlisle; and Shortliffe, Edward H. *An Approach to Verifying Completeness and Consistency in a Rule-Based Expert System,* 3(4): Fall 1982, 16-21.

Swartout, William R *see* Neches, Robert.

Swartout, William. *DARPA Santa Cruz Workshop on Planning,* 9(2): Spring 1988, 115-131.

Sweet, Larry. *Artificial Intelligence Research at General Electric,* 6(3): Fall 1985, 220-226

Takeda, Hideaki; Veerkamp, Paul; Tomiyama, Tetsuo; and Yoshikawa, Hiroyuk *Modeling Design Process,* 11(4): Winter 1990, 37-48.

Tale of Two Knowledge Servers, A, 12(3): Fall 1991, 118-120.

Talking to UNIX in English: An Overview of an On-Line UNIX Consultant, 5(1): Spring 1984, 29-39.

Task Communication through Natural Language and Graphics, 11(5): January 1991, 71-73

Task-Specific Problem-Solving Architecture for Candidate Evaluation, A, 12(3): Fall 1991, 95-109.

Tate, Austin *see* Hendler, James.

Taylor, Edward C. *Developing a Knowledge Engineering Capability in the TRW Defense Systems Group,* 6(2): Summer 1985, 58-63.

Technology, Work, and the Organization: The Impact of Expert Systems, 11(2): Summer 1990, 50-60

Tello, Ernest R. *Review of Introduction to Artificial Intelligence,* 7(5): Winter 1986, 100-101.

ten Hagen, Paul J. W *see* Akman, Varol.

Tenenbaum, Jay M. *see* Pann, Jeff Yung-Choa; Baird, Mike; and Mazzetti, Claudia.

Tenth Annual Workshop on Artificial Intelligence in Medicine: An Overview, 6(2): Summer 1985, 84-90.

Term Subsumption Languages in Knowledge Representation, 11(2): Summer 1990, 16-23

Text-Based Intelligent Systems: 1990 Spring Symposium Report, 11(3): Fall 1990, 30-31.

Theoretical Issues in Conceptual Information Processing, 9(4): Winter 1988, 71-76.

Theory and Application of Minimal-Length Encoding: 1990 AAAI Spring Symposium Report, 11(5): January 1991, 794-796.

Theory of Heuristic Reasoning about Uncertainty, A, 4(2): Summer 1983, 17-24.

Thieme, Ronald H. *see* Whittaker, A. Dale

Thinking Backward for Knowledge Acquisition, 8(3): Fall 1987, 55-61.

Third International Conference on Artificial Intelligence and Education, The, 8(4): Winter 1987, 97-99.

Thorndyke, Perry W *see* Baird, Mike

Thoughts and Afterthoughts on the 1988 Workshop on Principles of Hybrid Reasoning, 11(5): January 1991, 77-83.

Tomiyama, Tetsuo *see* Takeda, Hideaki

Toward a Unified Approach for Conceptual Knowledge Acquisition, 4(4): Winter 1983, 19-27.

Toward Better Models of the Design Process, 6(1): Spring 1985, 44-57

Towards a Taxonomy of Problem-Solving Types, 4(1): Spring 1983, 9-17

Towards the Principled Engineering of Knowledge, 3(3): Summer 1982, 4-16.

Travis, Larry E. *see* West, David M.

Trial by Fire: Understanding the Design Requirements for Agents in Complex Environments, 10(3): Fall 1989, 32-48

Truth, the Whole Truth, and Nothing but the Truth, The, 11(5): January 1991, 7-25

Tuggle, Francis D *Review of Expert Systems for the Technical Professional,* 10(1): Spring 1989, 87-88.

Uncertainty in Artificial Intelligence, 9(4): Winter 1988, 77-78.

Universal Planning: An (Almost) Universally Bad Idea, 10(4): Winter 1989, 40-44.

University of Southern California *see* Information Sciences Institute.

Untulis, Charles *see* Hart, Peter.

Use of Artificial Intelligence by the United States Navy, The: Case Study of a Failure, 12(1): Spring 1991, 80-92.

Utterance and Objective: Issues in Natural Language Communication 1(1): Spring 1980, 11-20.

Valient, Gabriel. *Review of On Being a Machine,* 12(4): Winter 1991, 96–97

Van Lehn, Kurt *see* Woolf, Beverly Park

van Melle, William *see* Gerring, Phillip E.

Various Views on Spatial Prepositions, 9(2): Spring 1988, 95-105

Veerkamp, Paul *see* Takeda, Hideaki.

Viewing the History of Science as Compiled Hindsight, 8(2): Summer 1987, 33-41.

Visit to the Tsukuba Science Exposition, A, 6(3): Fall 1985, 94-100.

Vogel, T. R *Review of Artificial Intelligence for Microcomputers: The Guide for Business Decision Makers,* 7(5): Winter 1986, 100.

VT: An Expert Elevator Designer That Uses Knowledge-Based Backtracking, 9(1): Spring 1988, 95-112

Wager, The, 7(3): August 1986, 120-124.

Waldrop, M Mitchell *see also* McDermott, Drew

Waldrop, M. Mitchell. *A Question of Responsibility,* 8(1): Spring 1987, 28-39

Walker, Donald E *Minutes of the Second Annual Meeting of the American Association for Artificial Intelligence,* 3(1): Winter 1981, 23-24.

Walker, Donald E *Minutes of the Third Annual Meeting of the American Association for Artificial Intelligence,* 4(1): Spring 1983, 51.

Walker, Ellen Lowenfeld; Kanade, Takeo; and Herman, Martin. *A Framework for Representing and Reasoning about Three-Dimensional Objects for Vision,* 9(2): Spring 1988, 47-58.

Waltz, David. *Artificial Intelligence: An Assessment of the State-of-the-Art and Recommendations for Future Directions,* 4(3): Fall 1983, 55-67.

Waltz, David. *Scientific DataLink's Artificial Intelligence Classification Scheme,* 6(1): Spring 1985, 58-63.

Wang, Ching-Huei *see* Srihari, Sargur N

Ward, Nigel *Review of Machine Translation: Past, Present, Future,* 10(1): Spring 1989, 85.

Warren, David H D. *A View of the Fifth Generation and Its Impact,* 3(4): Fall 1982, 34-39.

Wasserman, Kenneth *Physical Object Representation and Generalization: A Survey of Programs for Semantic-Based Natural Language Processing,* 5(4): Winter 1985, 28-41.

Waterman, Donald *see* Klahr, Philip, and Engelmore, Robert S.

Waters, Richard C *KBEmacs: Where's the AI?* 7(1): Spring 1986, 47-56

We Need Better Standards for Artificial Intelligence Research: President's Message, 5(3): Fall 1984, 7-8.

Weinshall, Daphna *see* Lim, William.

Weintraub, Joseph. *Expert Systems in Government Administration,* 10(1): Spring 1989, 69-71.

Weisbin, Charles R. *Intelligent-Machine Research at CESAR,* 8(1): Spring 1987, 62-74.

Weiss, Rich *see* Popplestone, Robin J.

Weitz, Rob R. *Technology, Work, and the Organization: The Impact of Expert Systems,* 11(2): Summer, 1990: 50-60.

Weitzman, Louis *see* Hollan, James D.

Wendl, Ulrich. *Review of Automated Reasoning: Thirty-Three Basic Research Problems,* 10(3): Fall 1989, 103.

West, David M. and Travis, Larry E. *From Society to Landscape: Alternative Metaphors for Artificial Intelligence,* 12(2): Summer 1991, 69-83.

West, David M. and Travis, Larry E. *The Computational Metaphor and Artificial Intelligence: A Reflective Examination of a Theoretical Falsework,* 12(1): Spring 1991, 64-79.

Wexelblat, Richard L. *On Interface Requirements for Expert Systems,* 10(3): Fall 1989, 66-78.

What AI Can Do for Battle Management: A Report of the First AAAI Workshop on AI Applications to Battle Management, 9(3): Fall 1988, 77-83.

What AI Practitioners Should Know about the Law, Part One, 9(1): Spring 1988, 63-75.

What AI Practitioners Should Know about the Law, Part Two, 9(2): Summer 1988, 109-114.

What If AI Succeeds? The Rise of the Twenty-First Century Artilect, 10(2): Summer 1989, 17-22.

What Is AI, Anyway? 8(4): Winter 1987, 59-65.

What Is Rational Psychology? Toward a Modern Mental Philosophy, 4(3): Fall 1983, 50-53.

What Is the Well-Dressed AI Educator Wearing Now? 3(1): Winter 1981, 13-14.

What Should Artificial Intelligence Want from the Supercomputers? 4(4): Winter 1984, 31, 33-35.

Where's the AI? 12(4): Winter 1991, 38-49.

White, Gregory B. *Review of A Comprehensive Guide to AI and Expert Systems: Turbo Pascal Edition,* 10(1): Spring 1989, 86-87

Whitehead, J. Douglass and Roach, John W. *Hoist: A Second-Generation Expert System Based on Qualitative Physics,* 11(3): Fall 1990, 108-119.

Whitelaw, John *see* Smith, Elizabeth.

Whittaker, A. Dale and Thieme, Ronald H. *Integration of Problem-Solving Techniques in Agriculture,* 10(2): Summer 1989, 85-87.

Why People Think Computers Can't, 3(4): Fall 1982, 3-15.

Wick, Michael R. *The 1988 AAAI Workshop on Explanation,* 10(3): Fall 1989, 22-26.

Wilensky, Robert. *Talking to UNIX in English: An Overview of an On-Line UNIX Consultant,* 5(1): Spring 1984, 29-39

Wilks, Yorick and Gomez, Rebecca. *New Mexico State University's Computing Research Laboratory,* 9(1): Spring 1988, 79-94.

William Mettrey. *An Assessment of Tools for Building Large Knowledge-Based Systems,* 8(4): Winter 1987, 81-89.

Williams, Michael D. *see* Kunz, John C.

Williams, Vernon. *Review of Artificial Intelligence and Robotics: Five Overviews,* 7(1): Spring 1986, 89-90.

Willick, Marshall S *Artificial Intelligence: Some Legal Approaches and Implications,* 4(2): Summer 1983, 5-16.

Winston, Patrick H. *Artificial Intelligence Research at the Artificial Intelligence Laboratory, Massachusetts Institute of Technology,* 4(2): Summer 1983, 44-48.

Woods, David D. *Cognitive Technologies: The Design of Joint Human-Machine Cognitive Systems,* 6(4): Winter 1986, 86-92.

Woolf, Beverly Park; Soloway, Elliot; Clancey, William J ; Van Lehn, Kurt; and Suthers, Dan *Knowledge-Based Environments for Teaching and Learning,* 11(5): January 1991, 74-77

Woolf, Beverly, *Knowledge-Based Environments for Teaching and Learning: 1990 Spring Symposium Report,* 11(3): Fall 1990, 29-30.

Workshop on Defeasible Reasoning with Specificity and Multiple Inheritance, 11(5): January 1991, 65-67.

Workshop on Distributed AI, 8(3): Fall 1987, 75-85.

Workshop on the Foundations of AI: Final Report, 8(1): Spring 1987, 55-59.

Wu, Dekai. *Review of Natural Language Understanding,* 10(1): Spring 1989, 88-90.

Xinsong, Jiang; Guoning, Song; and Yu, Chen. *Artificial Intelligence Research in the People's Republic of China: A Review,* 4(4): Winter 1983, 43-48.

Yale Artificial Intelligence Project, 2(2): Summer 1981, 42-44.

Yale Artificial Intelligence Project, The: A Brief History, 8(4): Winter 1987, 67-76.

Yanli: A Powerful Natural Language Front-End Tool, 8(1): Spring 1987, 40-48.

Yen, John *see* Patel-Schneider, Peter F

Yoshikawa, Hiroyuki *see* Takeda, Hideaki.

You Mean It Really Works? or Innovated, Deployed AI Applications, 10(3): Fall 1989, 13-15.

Young, Sheryl R. *see* Hovy, Eduard.

Zadeh, Lotfi A *A Simple View of the Dempster-Shafer Theory of Evidence and Its Implication for the Rule of Combination,* 7(2): Summer 1986, 85-90.

Zadeh, Lotfi A. *Review of A Mathematical Theory of Evidence,* 5(3): Fall 1984, 81-83

Zhang, Hui *see* Sanderson, Arthur C

Zito-Wolf, Roland J. *Review of The Cognitive Structure of Emotions,* 12(4): Winter 1991, 97-99.