

## PC AI Article Summary - Order Yours Today

Title	Author	Vol Issue	Month Year	Pg	Summary
Microsoft Research Spawns a New Era in Speech Technology: Simpler, Faster, and Easier Speech Application Development	Barker, D.	16.6	Nov/Dec '02	18	Examining the origins of speech recognition and exploring Microsoft's .Net Speech Platform. Learn how to deliver speech-enabled Web sites / telephony.
Prolog Fundamentals: A Logic Programming Tutorial	Linder Puls, T	16.6	Nov/Dec '02	28	Reviewing the fundamentals of Prolog programming, including how to use facts, rules, goals, and theories. Examples use the Prolog Inference Engine (PIE).
Temporal Abstractions Model Customer Behavior in Business Ecosystems: Insightful Data Mining	Nisbet, B.	16.6	Nov/Dec '02	34	Exploring how historical information on customers can predict patterns indicating which current customers have a high probability of leaving.
Improving Rule Base Quality with Rule Classification: Prolog Classification Example	Keshav Palshikar, G.	16.6	Nov/Dec '02	42	Exploring rule structures and complexities by proposing alternate, but related, rule classifications from different points of view. Prolog as the rule-language.
The Book Zone	Goldberg, C.	16.6	Nov/Dec '02	48	Natural Language Understanding and Foundations of Statistical Natural Language Processing (FSNLP)
Robotics	Hengl, T.	16.6	Nov/Dec '02	51	Kismet - The Social Robot, Robotic News, Robotic Sites, and Robotic Clubs
AI and the Net	Goldberg, C.	16.6	Nov/Dec '02	55	AI Market to pass \$21 Billion by 2007; Prolog tutorials and references; Natural Language Processing tutorial
Buyer's Guide	various	16.6	Nov/Dec '02	63	Natural Language Processing, Forecasting, Web Based Expert Systems, Business Rule Automation, Computational Linguistics.
What is Data Mining? Finding the Pattern	Hengl, T.	16.5	Sep/Oct '02	18	Examining the history and technology of data mining including standards, processes, technology, successful applications and technical references.
Deploying Logical Knowledge: Logical Programming with Prolog	Merritt, D.	16.5	Sep/Oct '02	24	Exploring three types of knowledge (factual, procedural and logical), and how Prolog can be used to deploy all three.
DARPA Renews AI Funding in Key Technologies: Technology Advancement Resumes	Hengl, T.	16.5	Sep/Oct '02	29	Researching DARPA's latest involvement in AI research -- the search for a cognitive computer.
Toward Smarter Simulations: How AI is Driving More Effective e-Learning	Ong, J., Jensen, R.	16.5	Sep/Oct '02	34	Describing different types of intelligent simulation and how they are evolving.
Crossing the Full-Text Search / Fielded Data Divide: Efficiently Combining Indexed Searching with Fielded Data Queries	Thede, E.	16.5	Sep/Oct '02	39	Suggesting ways to efficiently synthesize full-text indexed searching and fielded data queries from a development perspective.
Your Next Pet – Make it AI Enabled: AIBO from Sony	Hengl, T.	16.5	Sep/Oct '02	44	Update on this electronic implementation of simple machine learning.
The Book Zone	Goldberg, C.	16.5	Sep/Oct '02	47	A New Kind of Science; Applying Knowledge Management: Techniques for Building Corporate Memories
AI and the Net	Goldberg, C.	16.5	Sep/Oct '02	49	Translation Makes the News, A monthly AI news summary site.
Buyer's Guide	various	16.5	Sep/Oct '02	55	Data Mining, Evolutionary Programming, Modeling and Simulation, Pattern Matching and Common Sense.
Microsoft Research Tackles the Universal Translator: A Breakthrough in Accurate and Automatic Translation	Barker, D.	16.4	July/Aug '02	18	Examining the history and technology of Microsoft's internal project NLPWin, the results of two decades of research.
Back to Basics - Backward Chaining: An Expert System Fundamental	Huntington, D.	16.4	July/Aug '02	27	Reviewing the fundamentals of backward chaining, a key to building interactive expert systems. Breaks complex problems into easily defined sections.
The Fuzzy Electric Bulb: An Introduction to Fuzzy Logic with Sample Implementation	Mascenghe, M. A.	16.4	July/Aug '02	33	Presenting the basic concepts of fuzzy logic, where it is used, and how to apply it by walking through a very simple yet realistic example.
It is Time for Utilitarian, Cost Effective Service Robots: The Enabling Confluence of Technologies	Spencer, R. M.	16.4	July/Aug '02	38	Exploring past and present confluences of low cost hardware technologies that enable truly utilitarian personal robots for multiple marketplaces.
Have You Considered Smalltalk?: Smalltalk Fundamentals	Panici, J.	16.4	July/Aug '02	45	Illustrating how Java and C++ are not the only options for your object-oriented endeavors. Smalltalk has been around for a while, yet is often overlooked.
Knowledge Based Systems in Adaptive Training: Tailoring Training to Individual Needs	Brosch, H.	16.4	July/Aug '02	50	Demonstrating the use of a knowledge based system to construct assessment driven systems with self-customizing tutorials.
The Art of Intelligence: A Theory of Intelligent Thought	Troncone, P.	16.4	July/Aug '02	60	Describing a theory that views intelligence, not as the analysis of facts and data, but as a series of changing relationships based on a scale.

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AI and the Net	Hengl, T.	16.4	July/Aug '02	57	Chess matches man and machine, another AI directory, AI research and information at IBM
Buyer's Guide	various	16.4	July/Aug '02	65	Expert Systems and Development Systems, Intelligent Tutoring, Machine Learning, Knowledge Management, Logic and Reasoning Systems
A Protocycling Methodology for Knowledge-Based Data Mining Projects	Cox, E.	16.3	May/Jun '02	21	Examining organizing and building intelligent, rule-based business models and how it directs the evolution, development and deployment of business models.
Neural Networks Fundamentals: A Neural Computing Primer	Hengl, T.	16.3	May/Jun '02	32	Surveying artificial neural networks including a brief history, technology overview, comparison with traditional computing methodologies, and more.
Automating Large Business Rule and Expert Systems Verification: Easy Approach Simplifies Maintenance	Goldstein, D.	16.3	May/Jun '02	47	Describing how knowledge engineers can create useful knowledge verification tools that are useful in handling large (several-thousand) rule based systems.
Not Knowing Your Random Number Generator Could Be Costly: Random Generators - Why Are They Important	Klimasauskas, C.	16.3	May/Jun '02	52	Presenting guidelines for performing basic random number evaluations, the taxonomy of Pseudo Random Number Generators and useful links.
Robotics	Grayson, P.	16.3	May/Jun '02	18	ASIMO – Honda Motor's Advanced Step in Innovative Mobility
AI and the Net	Hengl, T.	16.3	May/Jun '02	44	Fuzzy Logic and Evolutionary Electronics
The Book Zone	Dwinnell, W.	16.3	May/Jun '02	49	Machine Learning Methods for Ecological Applications, Robots for Kids, Dynamic Fuzzy Pattern Recognition ..., Alternate Methods for Regression
Buyer's Guide	various	16.3	May/Jun '02	63	Neural Networks, Fuzzy Logic, Text Mining, Web Utilities, Speech Recognition and Synthesis, Intelligent Process Control
Knowledge-Based Business Process Modeling: Complex Systems Design through a Fusion of Computational ...	Cox, E.	16.2	Mar/Apr '02	15	Examining the object revolution and how it has changed given the resurgence in business intelligence systems and predictive data mining.
Adding Self-help Support to Web Sites and Products: Prolog Automates Business	Merritt, D., Hengl, T.	16.2	Mar/Apr '02	24	Describing an application-specific approach to a rule language, reasoning engine and development environment using Prolog.
Putting Fuzzy Logic to Work: Fuzzy Rules 101	Dwinnell, W.	16.2	Mar/Apr '02	33	Focusing on fuzzy rule-based system that accepts numeric inputs and outputs, providing examples for non-technical people to use this technology.
Robotic Technology has Arrived: Personal Robots are on Their Way	Hengl, T.	16.2	Mar/Apr '02	47	Reviewing the current state of the technology behind personal robotics.
An Intelligent and "Conversant" Information Management System: Applying Natural Language Processing (NLP)	Yale, T.	16.2	Mar/Apr '02	51	Examining the fundamental issues with sentenced analysis, lexical and semantic studies and commercial implementations of NLP systems.
Improving System Intelligence: Verifications Impact on Rule Ordering and Inference	Hicks, R.	16.2	Mar/Apr '02	56	Examining the impact on the process by which an intelligent system obtains, structures, stores, manipulates, and verifies knowledge.
The Book Zone	Dwinnell, W.	16.2	Mar/Apr '02	40	Pattern Classification, Second Edition Sampling: Design and Analysis Optical Character Recognition
AI and the Net	Hengl, T.	16.2	Mar/Apr '02	43	Looking for Lost Sites – Web sites to visit to learn the latest about AI.
Buyer's Guide	various	16.2	Mar/Apr '02	63	AI Languages, Case Based Reasoning, OOD, Help Desk
Seeing the Invisible: Computational Intelligence	Cox, E.	16.1	Jan/Feb '02	17	Examining a technique for extracting the intelligence analyst's knowledge into rules that incorporate imprecision, degrees of evidence, fuzzy logic, etc.
AI for Network Protection: LITMUS — Live Intrusion Tracking via Multiple Unsupervised STANNOS ...	Thaler, S.	16.1	Jan/Feb '02	23	Introducing the self-constructing adaptive filter; which autonomously builds a model of normal network activity by monitoring packets and audit logs.
Taking Backpropagation To The Extreme: A Master Shares His Secrets.	Klimasauskas, C.	16.1	Jan/Feb '02	31	Discussing how applications can achieve enhanced performance from neural networks, and in particular backpropagation, by looking at their optimization.
AI Research to AI Business, and Back: Automatic Story Generation and Intelligent Document Production	Bringsjord, S.	16.1	Jan/Feb '02	36	Discussing research of using AI to generate short stories and how formalism and technology has led to development of Intelligent Document Production.
Information Management Goes High Tech: The New Paper Trail	Theede, E.	16.1	Jan/Feb '02	47	Discussing the evolution of information and knowledge format to the current web and pdf formats and the new tools, such as OCR and fuzzy searches.

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Data Visualization Tips for Data Mining: Pattern Recognition Provides Data Insight	Dwinnell, W.	16.1	Jan/Feb '02	51	Illustrating data visualization for analyzing data to understand patterns and deficiencies using correlation images and special value maps.
Process Modulation via Expert Systems: AI Technology Minimizes Manufacturing Loss in Pharmaceutical Industry	El-Bardissi, W., Huyck, C.	16.1	Jan/Feb '02	58	Evaluating the effectiveness of an Expert System to supply a pragmatic approach to reducing manufacturing loss in an Pharmaceutical system.
AI and the Net	Kroening, M.	16.1	Jan/Feb '02	44	Exploring AI on the Web - Web sites to visit to learn the latest about AI.
The Book Zone	Dwinnell, W.	16.1	Jan/Feb '02	64	Blondie24: Playing at the Edge of AI Expert Systems: the Technology of Knowledge Management and Decision Making for the 21st Century
Intelligence in Terrorist Detection - Our New Secret Agents: Fuzzy Logic and Computational Intelligence in Threat ...	Cox, E.	15.6	Nov/Dec '01	16	Examining how advanced artificial intelligence technologies will become crucial to the traditional intelligence service in the fight against terrorism.
Improving the Aircraft Cockpit User-Interface: Using Rule-Based Expert System Models	Sherry, L., Feary, M.	15.6	Nov/Dec '01	21	Demonstrating how rule-based expert system models of control system behavior aid the designers in building superior user-interfaces.
AI@Work	various	15.6	Nov/Dec '01	26	Gaining competitive advantage through intelligent automation in web-based loan underwriting and expert systems support on overseas assignments.
Natural Language Processing: Understanding its Future	Wohleb, R.	15.6	Nov/Dec '01	32	Illustrating NLP's role as a standardized component compatible with future business and technology.
Predicting the Effects of Therapy on Patients with Multiple Diseases: Prolog Based Medical Decision Support	Temiroff, A., Yukhtenko, V., Belov, I.	15.6	Nov/Dec '01	36	Discussing the Medication Assistant (MA), a Prolog Medical Decision Support System (DSS) that models the effects of therapy on patients.
It's 2001 - Where is HAL? 2001: HAL's Legacy	Hengl, T.	15.6	Nov/Dec '01	41	Reviewing a PBS presentation on HAL's Legacy.
Multi-Agent Planning for Network Layout: CBR, CLIPS, JAVA, Knowledge Base Management Work Together	Goldstein, D., et. AI.	15.6	Nov/Dec '01	43	Describing an Air Force-sponsored system to accelerate network configuration using AI Technologies.
The Book Zone	Dwinnell, W.	15.6	Nov/Dec '01	47	Information Visualization in Data Mining and Knowledge Discovery - on data visualization.
AI and the Net	Kroening, M.	15.6	Nov/Dec '01	50	AI For Christmas: AI inspired toys available
Building Intelligent Models from Data Mining and Expert Knowledge: A Look at Fundamental Principles	Cox, E.	15.5	Sep/Oct '01	16	Exploring key issues associated with knowledge-based model design and execution including data variables, data and fuzzy spaces, etc.
Data Mining Using Sample Data: A Sample Based Modeling Strategy	Morgan, J.,; et. AI.	15.5	Sep/Oct '01	23	Illustrating how the use of data sampling improves model accuracy while lowering development and maintenance cost.
AI@Work	various	15.5	Sep/Oct '01	26	Using data mining to prevent customer attrition.
Fueling the Search Engine With Natural Language: Developing with SmallTalk	Ingria, R. and Ginter, D.	15.5	Sep/Oct '01	28	Detailing the use of Smalltalk to develop a search engine that does not rely on Boolean logic.
Profitability and Mining Web Data: Avoiding the Path to Red Ink	Clendaniel, S.	15.5	Sep/Oct '01	31	Discussing how a well-intentioned focus on customer response rates, etc. may cause devastating results and some techniques to avoid these pit falls.
Text Processing in an Integrated Development Environment (IDE): Integrating NLP Techniques	Deane, P., de Hilster, D., Myers, A	15.5	Sep/Oct '01	36	Exploring a new breed of IDEs that integrate NLP techniques with basic text analysis tasks, enhancing productivity when developing applications.
Tools that Deal with Big Data: Modeling and Analysis	Dwinnell, W.	15.5	Sep/Oct '01	42	Demonstrating how a corporation's ability to analyze and model large data sets is crucial to a corporations success.
Expertise Through Rules Based Representation: Why Can't a Computer Program Write Computer Programs	Hofford, G.	15.5	Sep/Oct '01	45	Exploring a rule-based approach to programming and software development that uses artificial intelligence to write programs.
AI and the Net	Kroening, M.	15.5	Sep/Oct '01	50	Virtual People: Final Fantasy Reviews Final Fantasy: The Spirits Within
The Knowledge Navigator: An Auction Metaphor for the Brokering of Corporate Knowledge Assets	Cox, E.	15.4	Jul/Aug '01	16	Examining the knowledge management system, incorporating an expertise repository and adaptive feedback to rate the expert's knowledge and abilities.
Distributed (Indexed) Searching: Evolution of XML	Thede, E.	15.4	Jul/Aug '01	21	Describing how using XML as an interchange medium results in more intelligent searching of local and remote
Prolog goes Middleware: Java-based Embedding of Logic Servers	Steiner, T.	15.4	Jul/Aug '01	25	Illustrating the use of a Prolog engine to integrate and distribute a logic base within two popular middleware architectures: RMI and CORBA.

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AI@Work	various	15.4	Jul/Aug '01	29	Pillsbury revolutionizes its business by mining data to understand consumer tastes using web-based intelligence.
Expert System Composes Music: AI Creativity	Pirkle, W.	15.4	Jul/Aug '01	32	Illustrating a rule-based expert system that utilizes chaos to create art, in the form of music.
Decision Navigator: An Enterprise Decision Support System	Creswell, D.	15.4	Jul/Aug '01	36	Discussing an approach for measuring and managing the crucial strategic decision-making process.
The Next Wave of Knowledge Management: Opportunities to Leverage Knowledge Through People, Process ....	Rasmus, D.	15.4	Jul/Aug '01	45	Accessing the technology that facilitates the exchange of knowledge and ideas among the extended base of employees, customers and partners.
Regression Analysis: A Brief Look at the History of AI	Marks, I.	15.4	Jul/Aug '01	48	Exploring the evolution of AI technology over the past 50 years and offers a glimpse of what we may see in the future.
AI and the Net	Kroening, M.	15.4	Jul/Aug '01	41	AI at the movies: A.I. and a discussion of humanoid robots.
The Book Zone	Dwinnell, W.	15.4	Jul/Aug '01	43	Swarm Intelligence and Multi-Senor Fusion - Theme is intelligence as a social activity and collective intelligence.
Fuzzy Logic and the Measure of Certainty in eCommerce ...	Cox, E.	15.3	May/Jun '01	16	Examining the organization of business rule systems through fuzzy logic
AI@Work	various	15.3	May/Jun '01	25	AI success stories from LPA and The MathWorks
The Rise of Knowledge for Sale	Rasmus, D.	15.3	May/Jun '01	32	How Internet knowledge markets match those that have knowledge with those that need knowledge
Genetic Algorithms and Intelligent Agents Team Up ...	Deschaine, L.; et. al.	15.3	May/Jun '01	35	Discussing a set of techniques for real time decision making
Simulation of Petri Nets in Prolog ...	Palshikar, G.	15.3	May/Jun '01	43	Illustrating how symbolic logic programming can model behavior
"Ruling" the World of Web Services ...	Ronk, T. & Weyer, J.	15.3	May/Jun '01	46	Enterprise Java Beans and Component-Based application design for B2B application integration
AI and the Net	Kroening, M.	15.3	May/Jun '01	41	Research in Intelligent Technology - Research projects that may lead to future intelligent apps.
The Book Zone	Dwinnell, W.	15.3	May/Jun '01	50	SQL for Smarties - Obtaining the most from a database
XML and Distributed Business-to-Business Intelligence ...	Cox, E.	15.2	Mar/Apr '01	16	Combining business policy rules and XML capabilities
Data Cleansing: An Automated Approach	Dwinnell, W.	15.2	Mar/Apr '01	21	Investigating an intelligent techniques such as anomaly detection
Why Smalltalk? Could Smalltalk be the Next Big Business Lang.	Robertson, J.	15.2	Mar/Apr '01	24	Promoting Smalltalk's possible advantages in productivity and quality over other OO languages
AI@Work	various	15.2	Mar/Apr '01	27	AI success stories from Amzi! Inc. and ABBYY USA
Lisp Power and Functionality A Well Kept Secret ...	Ramsey, D.	15.2	Mar/Apr '01	35	Discussion of the results of the ITTA's Lisp users survey
Cloning Business Logic via Web-Based Rules	Ronk, T. & Weyer, J.	15.2	Mar/Apr '01	37	Examining a non-technical interface for capturing business logic
What's Behind the Dylan Language? A Brief Overview	Wegener, H.	15.2	Mar/Apr '01	43	A look at the Dylan programming language and some its semantic constructs
Geospatial Data Mining for Market Intelligence ...	Duke, P.	15.2	Mar/Apr '01	48	How two business intelligence technologies coupled with data mining produced business decisions
AI and the Net	Kroening, M.	15.2	Mar/Apr '01	41	Virtual Reality on the Web - What is available today and where it may lead in the future.
The Book Zone	Dwinnell, W.	15.2	Mar/Apr '01	50	Evolutionary Design by Computers and what else are you reading?
Building Intelligent Business Applications with Semantic Nets ...	Cox, E.	15.1	Jan/Feb '01	16	Using semantics networks and business models to create applications in eBusiness and eCommerce
Prolog - the Knowledge Keeper ...	Merritt, D.	15.1	Jan/Feb '01	22	Examining how Prolog, as a separate component, simplifies knowledge mapping.
Fast Genetic Programming: Machine Code Evolution	Francone, F.	15.1	Jan/Feb '01	26	Genetic Programming and techniques for implementing computerized machine learning.
AI@Work	various	15.1	Jan/Feb '01	28	AI success stories from Gensym and Amzi!
Weather Forecast for 2100: Hot and Stormy ...	Price, C.	15.1	Jan/Feb '01	34	Examining one of the largest and most complex modeling and simulation challenges.
Alternative to Neural Nets ...	Steinberg, D.	15.1	Jan/Feb '01	38	Discussing Multivariate Adaptive Regression Splines (MARS)
Kasparov Versus Deep Blue ...	Blum, D.	15.1	Jan/Feb '01	49	Exploring this chess competition and the lack of true Artificial Intelligence behind it.

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Intelligence Files	Blanchard, D.	15.1	Jan/Feb '01	32	Full Circle - The Success of AI in the Real World
AI and the Net	Kroening, M.	15.1	Jan/Feb '01	42	Tools for Building Intelligent Web Sites - Overview of Expert Systems and other Intelligent Apps.
The Book Zone	Dwinnell, W.	15.1	Jan/Feb '01	47	Smart Card Handbook and Applying Case-Based Reasoning
Automation of Business Rules . . .	DiGiovanni, J.	14.6	Nov/Dec '00	16	Using automated business rules in a non-programmatic manner to reduce development costs.
Web-Based Data Management: HTML vs. PDF vs. XML	Thede, E.	14.6	Nov/Dec '00	21	Examining three approaches to searching and retrieving documents.
AI Languages Provide Software Development Alternatives . . .	Ettinger, A.	14.6	Nov/Dec '00	25	How to select software development tools correctly for each stage of your software project.
AI@Work	various	14.6	Nov/Dec '00	28	AI success stories from Decisioneering and Capital Equipment Corporation
Web-Based Expert Systems are on the Way . . .	Huntington, D.	14.6	Nov/Dec '00	34	Discussing the delivery of efficient expert systems via Java applets for advice and knowledge.
Neural Networks Assist the Financial Auditor . . .	Sutton, E.	14.6	Nov/Dec '00	37	Exploring the feasibility and accuracy of two different models of risk prediction.
New Data Mining Industry Standards . . .	Apps, E.	14.6	Nov/Dec '00	46	Overview of four software standards initiatives - XML, SOAP, PMML, and Microsoft OLE DB
Intelligence Files	Blanchard, D.	14.6	Nov/Dec '00	32	The Customer is Always Right
AI and the Net	Kroening, M.	14.6	Nov/Dec '00	40	Expert Systems at Work - From the Farm to the Grocery Store
The Book Zone	Dwinnell, W.	14.6	Nov/Dec '00	43	Fuzzy Cluster Analysis and Data Mining: Concepts and Techniques
From Data to Insight: The Critical Path to Data Mining . . .	Agosta, L.	14.5	Sept/Oct '00	16	Explaining how to advance from raw data to actionable business insight using scientific methods
Free-Form Text Data Mining: Integrating Fuzzy Systems . . .	Cox, E.	14.5	Sept/Oct '00	22	Describing the application of a hybrid approach to finding hidden relationships within large databases
AI@Work	various	14.5	Sept/Oct '00	28	AI success stories from The Haley Enterprise, Salford Systems, and Decisioneering
Tackling Real-World Environmental Engineering Challenges . . .	Deschaine, L.	14.5	Sept/Oct '00	35	A fast linear genetic programming technique for tackling environmental engineering challenges.
Simulation and Modeling: Engineering's Unified Approach	Franks, R., et. al.	14.5	Sept/Oct '00	46	Investigating the combined use of simulations and AI to improve a variety of business applications.
Webbed Feet: A Walk Through PC AI's Updated Web Site	Marks, I.	14.5	Sept/Oct '00	51	Exploring the enhancements to PC AI's AI web site.
Intelligence Files	Blanchard, D.	14.5	Sept/Oct '00	33	Here Yesterday, Gone Today, Back Tomorrow
AI and the Net	Kroening, M.	14.5	Sept/Oct '00	40	Filtering the Web
The Book Zone	Dwinnell, W.	14.5	Sept/Oct '00	43	Data Analysis & Decision Making with Microsoft Excel and Design of Experiments . . .
Knowledge Management Trends . . .	Rasmus, D.	14.4	Jul/Aug '00	16	Examining how knowledge management is being redefined in relation to the e-business world.
Prolog Predicts Chemical Properties: No Laboratory Required	Bowen, K.	14.4	Jul/Aug '00	21	Describes a Prolog-based expert system that predicts compound properties based on structure.
Expert System for Online Advice: Knowledge at Your Fingertips	Huntington, D.	14.4	Jul/Aug '00	26	Explores Web-based delivery of online advice via expert systems.
AI@Work	various	14.4	Jul/Aug '00	28	AI success stories from Franz, KTI, and WizSoft.
Flavors of Web-based Text Retrieval: Intelligent Searching	Thede, E.	14.4	Jul/Aug '00	35	Three text retrieval paradigms on the Web.
Saving Corporations Millions: The Benefits of Modeling	Buskirk, P.	14.4	Jul/Aug '00	38	Illustrates how a small investment produces a large ROI.
Intelligence Files	Blanchard, D.	14.4	Jul/Aug '00	33	Everything Old is New Again
AI and the Net	Kroening, M.	14.4	Jul/Aug '00	40	Web-Based Expert Systems: Old Technology and New
The Book Zone	Dwinnell, W.	14.4	Jul/Aug '00	43	Neural and Adaptive Systems and Fractal Imaging
Distributed Intelligence in the B2B Universe . . .	Cox, E.	14.3	May/Jun '00	16	Two crucial types of computational intelligence models fit into the data warehouse/mart architectures.
Process Control with Intelligence: Unified Approach	Van Buskirk, J. P.	14.3	May/Jun '00	20	Examining the use of model-based methodology to extract the true variability in historical data sets.
Adaptive and Neural Inverse Control . . .	Euliano, N.	14.3	May/Jun '00	24	Describing the application of neural and adaptive inverse control to regulate respiratory equipment

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AI@Work	various	14.3	May/Jun '00	28	AI success stories from Sonalysts, Inc., Groupe S, Genitor Corp., and Megaputer.
Teach Your Portal Well: Notes Toward Intelligent Portals	Rasmus, D.; Hall, K.	14.3	May/Jun '00	36	Examining portals and what they can mean within an enterprise as well as a cooperation point . . .
A Technical Description of Holographic/Quantum Neural Cells	Sutherland, J.	14.3	May/Jun '00	45	Describing the operational basis for the holographic/quantum neural model (HNET).
Intelligence Files	Blanchard, D.	14.3	May/Jun '00	33	It's a Smart, Smart, Smart, Smart World
AI and the Net	Kroening, M.	14.3	May/Jun '00	40	Intelligent Web Portals
The Book Zone	Dwinnell, W.	14.3	May/Jun '00	43	Applied Pattern Recognition and Data Mining
What's the Object? Bringing Object Oriented Machine Intelli . . .	Cox, E.	14.2	Mar/Apr '00	16	Explaining how to add intelligence to web-hosted applications by fusing OO design with ES tech.
Data Enhancement - Filtering for Neural Network Success	Dwinnell, W.	14.2	Mar/Apr '00	20	Examining a class of filtering tools to enhance data for use by NN and other analysis tools.
Web-Based Intelligent Tutoring Systems: . . .	Sherry, L.	14.2	Mar/Apr '00	24	Examining how AI techniques are incorporated in web-based intelligent tutoring systems.
AI@Work	various	14.2	Mar/Apr '00	28	AI suc cess stories from Amzi!/Digital Xpress, Worldfree.net, and DTSoftware/InfoEdge Tech.
Knowledge Management: More than AI but Less Without It	Rasmus, D.	14.2	Mar/Apr '00	35	How AI , as the core technology for knowledge representation is now key to knowledge discovery . . .
What's in a Name? . . .	Dunkerley, M.	14.2	Mar/Apr '00	45	Issues computer systems have with identity data and how intelligent systems may overcome them.
Intelligence Files	Blanchard, D.	14.2	Mar/Apr '00	33	Have Shingle, Will Sue
AI and the Net	Kroening, M.	14.2	Mar/Apr '00	40	Future Thinking 2000
The Book Zone	Dwinnell, W.	14.2	Mar/Apr '00	43	KDD-99 Proceedings and Machine Learning
The Book Zone	Dwinnell, W.	14.1	Jan/Feb '00	44	VRML Clearly Explained and Visualization of Categorical Data
AI and the Net	Kroening, M.	14.1	Jan/Feb '00	41	Tech support under the hood
Intelligence Files	Blanchard, D.	14.1	Jan/Feb '00	31	Microsoft Builds a Speech Recognition Empire
FuzzySQL - A Tool for Finding the Truth . . .	Cox, E.	14.1	Jan/Feb '00	48	Illustrating how imprecision can improve production database searching
New Trends in ES Development and Implementation . . .	Hicks, R.	14.1	Jan/Feb '00	37	Examining new trends in expert systems development and implementations
Where the *@#! Is That? The Art of Text Query	Thede, E.	14.1	Jan/Feb '00	33	Demonstrating techniques for using advanced text search programs to find the correct documents
AI @ Work	various	14.1	Jan/Feb '00	29	AI success story from BioComp Inc
Data Mining Add-ins for Excel and Access . . .	Apps, E.	14.1	Jan/Feb '00	25	Predicting how Microsoft is evolving their Office Suite
Exploring MARS: An Alternative to Neural Networks	Dwinnell, W.	14.1	Jan/Feb '00	21	Exploring a statistics based modeling tool
Rule-Based Management of Options Trading	Bowen, K.	14.1	Jan/Feb '00	16	Describing a Prolog-based ES for currency options trading in finance
The Book Zone	Dwinnell, W.	13.6	Nov/Dec '99	44	Genetic Programming III and Remote Sensing
AI and the Net	Kroening, M.	13.6	Nov/Dec '99	41	Shopping bots
Intelligence Files	Blanchard, D.	13.6	Nov/Dec '99	31	It's good to be in the AI business
Automated Analysis of Natural Language Texts . . .	Ananyan, S. et al	13.6	Nov/Dec '99	46	Discussing techniques, history, and new methodologies in the processing of text
Coping with the Uncertainty Principle . . .	Cox, E.	13.6	Nov/Dec '99	37	Exploring a system that analyzes and then predicts the risk inherent in a project
Application-Specific Business Rules . . .	Merritt, D.	13.6	Nov/Dec '99	33	Using a customer support implementation to demonstrate business rule automation
AI @ Work	various	13.6	Nov/Dec '99	28	AI success stories from DT Software, BioComp,WizSoft, QMC, and PDC
Square Pegs in Round Holes . . .	Dwinnell, W.	13.6	Nov/Dec '99	24	Combining models & intelligent data manipulation to improve machine learning sys. performance
Online ES Bring Advice to Thousands in Navajo Nation . . .	Huntington, N.	13.6	Nov/Dec '99	20	Describing the development and implementation of a web centric intelligent advisor

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Prolog Assists in Brain Lesions Diagnosis . . .	Rasuli, P. et al.	13.6	Nov/Dec '99	16	Building a system that performs neuroradiology diagnosis
Secret Agent Man	Barker, D.	13.5	Sept/Oct '99	52	Keeping secrets in the age of multi-agent collaboration
The Book Zone	Dwinnell, W.	13.5	Sept/Oct '99	48	Data Preparation for Data Mining and Tracking Kalman Filtering Made Easy
AI and the Net	Kroening, M.	13.5	Sept/Oct '99	41	Wear the Web
Intelligence Files	Blanchard, D.	13.5	Sept/Oct '99	31	Oracle "mines" Thinking Machines to acquire Darwin
Investigating Jitter Methods: Measuring What Matters	Dwinnell, W.	13.5	Sept/Oct '99	38	These jitters won't make you nervous when you buy your next house and other examples
Data Mining with Self-Organizing Maps: Best Practices in . . .	Deboeck, G.	13.5	Sept/Oct '99	33	Describing the best processes including analysis, clustering, visualization, etc.
Data Mining, Modeling, Simulation and GA in the Chemical . . .	Van Buskirk, P.	13.5	Sept/Oct '99	28	Describing applications of modeling across numerous areas
Distributed Task Coordination with Truth Maintenance Sys. . . .	Epshteyn, A. et al	13.5	Sept/Oct '99	24	AI in air liner design
AI @ Work	various	13.5	Sept/Oct '99	20	AI success stories from AND Corp., ATTAR Software, WizSoft Inc, and Haley
Re-Discovering What You Do . . .	Cox, E.	13.5	Sept/Oct '99	16	Exploring ways to make your models more responsive to change in demographics and the economy
Secret Agent Man	Barker, D.	13.4	Jul/Aug '99	52	Surrounded and outnumbered - as things start to think
The Book Zone	Dwinnell, W.	13.4	Jul/Aug '99	48	Feature Extraction, Construction and Selection; Statistical Analysis of Categorical Data
AI and the Net	Kroening, M.	13.4	Jul/Aug '99	41	Agents in space - reporting via the Web
Intelligence Files	Blanchard, D.	13.4	Jul/Aug '99	31	On-line trading: The new national pastime
Striving for Imprecision . . .	Cox, E.	13.4	Jul/Aug '99	38	Fuzzy Knowledge Bases, combining the semantics of info with imprecision of real world problems
What Does Your Company Really Do? . . .	Cox, E.	13.4	Jul/Aug '99	37	Machine learning technologies provide the core understanding of how a business process works
Fuzzy Logic in Knowledge Engineering . . .	Fonseca, D.	13.4	Jul/Aug '99	33	Using fuzzy logic to overcome difficulties encountered during the knowledge acquisition process
IVAN: An Expert System for Pain Control . . .	Thompson, J.	13.4	Jul/Aug '99	28	A case-based knowledge system that can improve the quality of life by helping to control pain
AI @ Work	various	13.4	Jul/Aug '99	24	AI success stories from SHAI, Megaputer Intelligence, and ObjectSpace
Successful Knowledge Management Systems: An ES Approach	Krovvidy, S.	13.4	Jul/Aug '99	20	The successful medium-to-large size knowledge management project based on past experience
Managed Business Rules: A Repository Based Approach	Seiler, H.	13.4	Jul/Aug '99	16	Exploring rules as a concept, practice, methodology, and as a requirements technique
Secret Agent Man	Barker, D.	13.3	May/Jun '99	52	Through the Looking Glass and Back Out Again - Robotics and Telepresence
The Book Zone	Dwinnell, W.	13.3	May/Jun '99	48	Artificial Immune Systems and Neural Networks: Tricks of the Trade
AI and the Net	Kroening, M.	13.3	May/Jun '99	41	Future ideas - Intelligent filtering of sports, teaching on the Web, representing knowledge in XML
Intelligence Files	Blanchard, D.	13.3	May/Jun '99	31	Everybody's talking about speech recognition
Analyzing Neural Networks Performance . . .	O'Rourke, B.	13.3	May/Jun '99	37	Exploring techniques for improving performance using a financial price predication hybrid model
Neural Networks Assist in Job Performance . . .	Williams, W. et al	13.3	May/Jun '99	33	Illustrating the effective use of NN and GA pre-evaluation of prospective employees
Aircraft Icing Forecasts from Neural Networks	McCann, D.	13.3	May/Jun '99	27	Using neural networks to predict the potential for dangerous conditions
AI @ Work	various	13.3	May/Jun '99	24	AI success stories from AND Corp. and MIT GmbH
Text Mining: Making the Most of Unstructured Data	Dwinnell, W.	13.3	May/Jun '99	20	Explaining dtSearch, a tool that indexes, searches, and retrieves data from free form text sources
The New Face of Fuzzy Logic . . .	Cox, E.	13.3	May/Jun '99	16	Demonstrating the value of fuzzy logic as a business tool with contemporary examples
Secret Agent Man	Barker, D.	13.2	Mar/Apr '99	52	It's almost 2001 - where's Hal?
The Book Zone	Dwinnell, W.	13.2	Mar/Apr '99	48	Genetic Programming - An Introduction; OLAP Solutions: Building Multidimensional Info. Sys.

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AI and the Net	Kroening, M.	13.2	Mar/Apr '99	41	Weather on the Web
Intelligence Files	Blanchard, D.	13.2	Mar/Apr '99	31	Patent dispute stirs up the neural net field
Agile Business Rule Processing	Haley, P.	13.2	Mar/Apr '99	35	Explaining an efficient approach to invent business processes that reflect business rules
CLOS - A Perspective	Barber, R.	13.2	Mar/Apr '99	33	The benefits of OOP with LISP - including implementations of web authoring and risk analysis
The OSHA Hazard Awareness Advisor	Stern, E.	13.2	Mar/Apr '99	27	The development of Web-based and distributed informational ES to help businesses comply
AI @ Work	various	13.2	Mar/Apr '99	24	AI success stories from BioComp Systems and Harlequin Inc
Using Microsoft VB and DCOM for AI Applications	Ono, K.	13.2	Mar/Apr '99	20	Explaining the use of object oriented techniques to provide data mining solutions
COM and OLE in Data Mining . . .	Slynko, Y. et al	13.2	Mar/Apr '99	16	Exploring a new tool that may help solidify data mining's place in the corporate world
AI and the Net	Kroening, M.	13.1	Jan/Feb '99	41	Is there a doctor in the Web?
Intelligence Files	Blanchard, D.	13.1	Jan/Feb '99	32	Godspeed Deep Space 1
Secret Agent Man	Barker, D.	13.1	Jan/Feb '99	21	Mata Hari uncovers hidden information
The Book Zone	Dwinnell, W.	13.1	Jan/Feb '99	19	Artificial Intelligence: A New Synthesis; Lazy Learning; Intro. To Implicit Surfaces
Symbolic Knowledge Acquisition Technology . . .	Kiseleve, M. et al	13.1	Jan/Feb '99	48	Exploring a new tool that may help solidify data mining's place in the corporate world
AI @ Work	various	13.1	Jan/Feb '99	37	AI success stories from ANGOSS Software Corp, Harlequin Inc, and Salford Systems
Knowledge Base Management Systems . . .	Hicks, R.	13.1	Jan/Feb '99	34	Describing a tool that helps build, verify, and code expert systems
Public Domain vs. Commercial Tools . . .	Deboeck, G.	13.1	Jan/Feb '99	27	Examining the available software for Self-Organizing Maps, a class of neural networks
Cutting the Guillotine Down to Size	McHale, M. et al	13.1	Jan/Feb '99	24	Discussing the Prolog-based program developed to solve the guillotine problem
Domain Specific Languages - Tools for Better Programming	Morrow, P. et al	13.1	Jan/Feb '99	14	The benefits of domain-specific languages and how to create them
Principal Components and Neural Networks . . .	O'Rourke, B.	12.6	Nov/Dec '98	16	Using the principal components to develop a better neural network model
Strategies for Intelligent System Development	Sherry, L.	12.6	Nov/Dec '98	24	Describing a statistical model that measures the performance of a development team
Automatic Data Analysis Tools	Dwinnell, W.	12.6	Nov/Dec '98	28	Review of tools that help business users automate the data analysis process
The Internet, ActiveX, and Business Solutions	Buskirk, J. et al	12.6	Nov/Dec '98	34	Examining how ActiveX makes access to corporate knowledge easier using an engineering scenario
AI@Work	various	12.6	Nov/Dec '98	38	AI application success stories from IBM, KTI, Decisioneering, AcknoSoft, and Nuance
Secret Agent Man	Barker, D.	12.6	Nov/Dec '98	21	Take Aim with BullsEye - A Complete Solution to Information Overload
Intelligence Files	Blanchard, D.	12.6	Nov/Dec '98	32	Making the World a Smarter Place
AI and the Net	Kroening, M.	12.6	Nov/Dec '98	49	Help! I Need an Answer Now!
AI and the Net	Kroening, M.	12.5	Sept/Oct '98	49	Semantic nets on the Net and the coming of X
Intelligence Files	Blanchard, D.	12.5	Sept/Oct '98	32	Hot fun in the Summertime
Secret Agent Man	Barker, D.	12.5	Sept/Oct '98	21	Build your own chatterbot with NeuroStudio
AI @ Work	various	12.5	Sept/Oct '98	38	AI application success stories from Salford Systems, Palisade Corporation, and IBM
Book Review	Dwinnell, W.	12.5	Sept/Oct '98	34	Review: Solving Data Mining Problems Through Pattern Recognition, Predictive Data Mining, DMSK
Knowledge Management & Microsoft's Active Platform: Part 2	Seiler, H.	12.5	Sept/Oct '98	27	Outlines the construction of Internet-integrated client/server application
Data Mining: Issuing Predictions . . .	Meidan, A.	12.5	Sept/Oct '98	24	Introduction to data mining and its capabilities
Finding Robust & Usable Models with Data Mining . . .	Dhar, V. et al	12.5	Sept/Oct '98	17	How to use data to build effective models using credit analysis and securities trading

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Knowledge Discovery and Data Mining . . .	Pyle, D.	12.5	Sept/Oct '98	14	Methodology to derive the most benefit from knowledge discovery and data mining
AI & The Net: Harvesting Knowledge From the Internet	Merritt, D.	12.4	Jul/Aug '98	49	New ways to perform searches on the Internet
Intelligence Files: And the Beat Goes On	Blanchard, D.	12.4	Jul/Aug '98	32	AI company news
Secret Agent Man: Chatterbot Conspiracy	Barker, D.	12.4	Jul/Aug '98	21	The world of chatterbots - highlighting the Forbin Project
AI @ Work	various	12.4	Jul/Aug '98	39	AI application success stories
Expert System for Sewage Treatment Works Support	Dixon, M., et al	12.4	Jul/Aug '98	35	The development of a rule-based solution
Dependency Tracking in Dynamic Knowledge Engineering	Veitch, J.	12.4	Jul/Aug '98	28	Moving beyond the limitations of ES to "spreadsheet-like" models
Expert System vs. Procedural Language Development	Kronfeld, K. et al	12.4	Jul/Aug '98	24	Comparing the performances of ES and procedural languages
Modeling Methodology 5: Mathematical Programming Lang	Dwinnell, W.	12.4	Jul/Aug '98	18	Math-oriented 4th generation languages as modeling tools
Knowledge Management & Microsoft's Active Platform: Part 1	Seiler, H.	12.4	Jul/Aug '98	14	Integrating client/server technology and the Internet
The Intelligence Files: Smile for the Computer	Blanchard, D.	12.3	May/Jun '98	32	Yhe emergence of biometrics, a sophisticated identification technology
Secret Agent Man: Excite Yourself By Shopping with Jango	Barker, D.	12.3	May/Jun '98	21	Jango, the technology behind the Excite search engine
Intelligent Process Control in Aviation	Sherry, L.	12.3	May/Jun '98	48	AI's use in commercial airlines
AI @ Work	various	12.3	May/Jun '98	39	How fuzzy logic and NNs are used to solve real world problems
Neural Networks in the Process Industry	Angstenberger, J. et al	12.3	May/Jun '98	35	NNs in the manufacturing industry
Neural Networks for Monitoring, Control, Optimization	Van Buskirk, P.	12.3	May/Jun '98	28	Model applications that improve profitability, quality, safety, environmental controls
Modeling Methodology 4: Localizing Global Models	Dwinnell, W.	12.3	May/Jun '98	24	A method for localizing a NN using fuzzy clustering
NNs in Finance: Importance of Methodology Over Technology	Dhar, V. et al	12.3	May/Jun '98	16	The importance of effective methodology and how NNs help achieve it
AI & The Net: Java Based AI Tools	Merritt, D.	12.2	Mar/Apr '98	49	Java-based AI tools
Intelligence Files: Computer Associates Steps Up to the Plate	Blanchard, D.	12.2	Mar/Apr '98	37	A look at a Computer Associates, a large software company
Secret Agent Man: IBM Turns Over New Leaf with Ginkgo	Barker, D.	12.2	Mar/Apr '98	21	Ginkgo, IBM's intelligent agent
Intentional Objects in Business and Manufacturing	Sherry, L.	12.2	Mar/Apr '98	39	How intentional objects can yield a competitive advantage
Modeling Methodology 3: Algorithm Selection	Dwinnell, W.	12.2	Mar/Apr '98	32	The different modeling algorithms and their capabilities
The Adoption of OT	Harmon, P.	12.2	Mar/Apr '98	28	OT in companies from Paul Harmon's study, "The Corporate Use of OT"
Expanding WebLS to Support a Breast Cancer Decision Guide	Kroening, M., et al	12.2	Mar/Apr '98	23	The use of WebLS to create a breast cancer decision guide
AI@Work	various	12.2	Mar/Apr '98	16	How is AI used to solve real world problems
Vendors Forum: NeuralWorks Predict Plus in Process Control	Klimasauskas, C.	12.1	Jan/Feb '98	32	An inside look at NeuralWare's NeuralWorks Predict Plus
Secret Agent Man: Microsoft's Animated Agent Technology	Barker, D.	12.1	Jan/Feb '98	49	A look at Microsoft's animated agent technology
Intelligence Files: Corporate World Taking AI More Seriously	Blanchard, D.	12.1	Jan/Feb '98	37	Microsoft's use of various intelligent technologies
AI & The Net: Expert Systems on the Net	Merritt, D.	12.1	Jan/Feb '98	21	A look at how classic ES are being used on the Web
Review: EZ-Xpert - RAD Comes to Expert Systems	Wilder, M.	12.1	Jan/Feb '98	39	AI Developer's EZ-Xpert, a program that enables novices to create rule-based ES
It's in the Mailbot	Ritchie, G.	12.1	Jan/Feb '98	28	Mailbot, an intelligent agent for e-mail
Modeling Methodology 2: Model Input Selection	Dwinnell, W.	12.1	Jan/Feb '98	23	Choosing the right info to input in a model
ai@work	various	12.1	Jan/Feb '98	16	How is AI used to solve real world problems?

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Review: ModelQuest - Automating Solution Discovery	Rapaport, J & S	11.6	Nov/Dec '97	28	Abtech's ModelQuest, a program that builds and evaluates models
Vendor's Forum: LPA Prolog in Action	Spenser, C.	11.6	Nov/Dec '97	40	An inside look at Logic Programming Assocs' Prolog
Agents: Agents of Contingency	Rasmus, D.	11.6	Nov/Dec '97	38	A look at intelligent agents
Intelligence Files: A New Look for the NN Industry	Blanchard, D.	11.6	Nov/Dec '97	37	A look at various companies using NN technology
Next Generation Spreadsheet Computing	Hyvonen, E. et al	11.6	Nov/Dec '97	32	Using spreadsheets to extend ordinary arithmetic
New Technology in a Large Customer Call Center	Thomas, H., et al	11.6	Nov/Dec '97	24	A look at Case-Based Reasoning put to use in a consumer call center
Modeling Methodology 1: Configuring the NN Solution	Dwinnell, W.	11.6	Nov/Dec '97	21	Description of data collection and processing for the development of NNs
ai@work	various authors	11.6	Nov/Dec '97	16	How do businesses use AI
Review: e, an evolutionary learning tool	Dwinnell, W.	11.5	Sep/Oct '97	38	A look at e, the evolutionary algorithm
Intelligence Files: The Second great Age of AI	Blanchard, D.	11.5	Sep/Oct '97	50	The latest mergers, acquisitions, and company shufflings in AI
What Should Agents Learn?	Rasmus, D.	11.5	Sep/Oct '97	41	Examines emotive agents, specifically Fin Fin
Measuring Human Skill: An Expert System Approach	Breakey, A., et al.	11.5	Sep/Oct '97	34	An ES is developed to help students succeed in a trades program in Canada
Vendor's Forum: The Genetic Programming System	Ruby, S.	11.5	Sep/Oct '97	31	The thought process behind the Genetic Programming System
Genetic Algorithms in Battlefield Communications	Chang, T.	11.5	Sep/Oct '97	28	GAs are combined with an ES to train military personnel
Data Mining and Genetic Programming	Colin, A.	11.5	Sep/Oct '97	23	How data mining can use genetic programming in various applications
Data Mining and the Financial Markets	Rathburn, T.	11.5	Sep/Oct '97	20	Conclusion of series about data mining in the financial markets
Data Mining at Work	various	11.5	Sep/Oct '97	16	Success stories from five vendors of data mining products
Review: WizSoft Software	Rapaport, J.	11.4	Jul/Aug '97	16	Reviews of WizSoft's WizRule and WizWhy
Intelligence Files: Merger Mania Hits AI	Blanchard, D.	11.4	Jul/Aug '97	50	Recent mergers & acquisitions in the AI industry
Agents: Making Better Agents	Rasmus, D.	11.4	Jul/Aug '97	39	How to make a better agent
Interview: Russell Henke	Hengl, T.	11.4	Jul/Aug '97	28	Interview with Russell Henke, President of Franz, Inc.
Redefining Knowledge	Rasmus, D.	11.4	Jul/Aug '97	35	Exploring the issues that pertain to managing knowledge in the corporate sector
A Knowledge-Based Decision System	Creswell, D.	11.4	Jul/Aug '97	32	A knowledge based system that arrives at important decisions about R&D projects
Knowledge Verification	Hicks, R.	11.4	Jul/Aug '97	25	The process to determine if the knowledge in an ES is needed for the job
Knowledge-Based CAD	Duggan, K. et al	11.4	Jul/Aug '97	22	How a modern CAD system came to be
Data-Mining in the Financial Markets: Data-Related Issues	Rathburn, T.	11.4	Jul/Aug '97	19	Three-part series on data mining related issues
Cybernautica: The Search is on . . . the Web	Berghel, H.	11.3	May/Jun '97	49	Examining search engines on the Web
Vendor's Forum: The Fuzzy Judgement Maker	McNeill, M.	11.3	May/Jun '97	35	The thought process behind the Fuzzy Judgment Maker
Interview: Gerard Montgomery	Hengl, T.	11.3	May/Jun '97	32	Interview with Gerald Montgomery, founder of the AbTech Corporation
Agents: The Joys of Remote Programming	Rasmus, D.	11.3	May/Jun '97	24	How agents use remote programming to accomplish their goals
Taming Complexity in Large-Scale Fuzzy Systems	Andrews, J.	11.3	May/Jun '97	39	Exploring the Combs Method and its importance to the future of fuzziness
Neural Nets and OLE: Showing the Connections	Sprague, A.	11.3	May/Jun '97	27	NNs and OLE combine in an application that shows Artificial Neural functioning
Data-Mining in the Financial Markets: Product Definition	Rathburn, T.	11.3	May/Jun '97	19	First in a three part series exploring data mining
An Expert System for Aerospace	Tribble, R.C. et al	11.3	May/Jun '97	16	An ES that helps spacecraft contamination control engineers

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Cybernautica: Digital Postcards	Berghel, H.	11.2	Mar/Apr '97	49	Digital Postcards sent by e-mail
Agents: A New Agency	Rasmus, D.	11.2	Mar/Apr '97	37	A look at Agents
Vendor's Forum: Generic Blackboard Builder	Tramara, S.	11.2	Mar/Apr '97	32	A look at Blackboard Technology's Generic Blackboard Builder (GBB)
Intelligent Tax Forms	Chang, T.	11.2	Mar/Apr '97	39	A plug-in that lets you enter tax info, explore tax scenarios, and file your forms
Objects and the Web: CORBA Meets HTTP	Chauvet, J.	11.2	Mar/Apr '97	24	How CORBA works with Hypertext Transfer Protocol
Web-Based AI: Expert Systems on the WWW	Huntington, D.	11.2	Mar/Apr '97	20	A look at the development steps of creating a sample ES on the Web
The Object of Workflow	Rasmus, D.	11.2	Mar/Apr '97	16	Systematizing workflow using the OO approach
Cybernautica: Virtual Reality is Virtually Here	Berghel, H.	11.1	Jan/Feb '97	50	The world of virtual reality is quickly approaching
Vendor's Forum: Enterprise Modeling Server	Cook, C.	11.1	Jan/Feb '97	35	The thought process behind Enterprise Modeling Server
Intelligent Web Search Engines	Burke, et al	11.1	Jan/Feb '97	39	Discussing FAQFinder and FindMe
Intelligent Sales Configuration	Carson, C.	11.1	Jan/Feb '97	31	Reporting on Sales Configurators, a tool that enables salespeople to better deliver quotes
Adaptive Software	Norvig, P. et al	11.1	Jan/Feb '97	27	Increasing effectiveness and reducing the strain on software and software developers
Business Rules for the Object Model	Chauvet, J. et al	11.1	Jan/Feb '97	23	Using business rules on the object model
Getting Down to Cases: Principles for Effective CBR Strategy	Klahr, P.	11.1	Jan/Feb '97	16	How to successfully implement CBR technology to provide world-class service
Cybernautica: The First Web Presidential Campaign	Berghel, H.	10.6	Nov/Dec '96	50	Reporting on the first presidential campaign on the web
Vendor's Forum: Java meets Prolog	Kroening, M.	10.6	Nov/Dec '96	27	The thought process behind development of a Java class in the Amzi! Logic Server
Interview: Tom Schwartz	Hengl, T.	10.6	Nov/Dec '96	24	Interview with Tom Schwartz, founder and president of The Schwartz Associates
Smart Audits at MCI	Schmuller, J.	10.6	Nov/Dec '96	40	MCI uses AI to solve its auditing problems
Intelligent Legal Research	Smith, J.	10.6	Nov/Dec '96	35	FlexLaw, a query system which helps lawyers find precedents
Self-Training Artificial NNs: Nets, Spreadsheets, Objects	Thaler, S.	10.6	Nov/Dec '96	32	Exploring self-training artificial NNs
Automatic Data Mining	Mena, J.	10.6	Nov/Dec '96	16	DM that automatically generates its own queries on data
Review: SPSS Advanced Statistics 6.1	Schmuller, J.	10.5	Sept/Oct '96	28	Review of SPSS Advanced Statistics 6.1
Cybernautica: CGI in a Nutshell	Berghel, H.	10.5	Sept/Oct '96	49	Answers to questions about CGI programming techniques
Web-Based Intelligent Tech Support	Kroening, M.	10.5	Sept/Oct '96	38	The Web is driving many AI applications including intelligent technical support
Mind Tools: Connecting to Groupware	Rasmus, D.	10.5	Sept/Oct '96	32	Groupware applications create new ways to manage conversations
Concepts of Modeling and Simulation	Diamond, B.	10.5	Sept/Oct '96	22	Explaining the concepts of modeling and simulation
Genetic Algorithms at Work: Two Case Studies	Lipton, et al	10.5	Sept/Oct '96	16	Combining GAs with knowledge-based technologies
Cybernautica: Cybercensus: Surveying the Net	Berghel, H.	10.4	Jul/Aug '96	49	Survey of internet use
Vendor's Forum: AgentWorks	McGugan, V.	10.4	Jul/Aug '96	24	The thinking behind AgentWorks
Agents Infiltrate the Business World	Blanchard, D.	10.4	Jul/Aug '96	39	Intelligence agents go to work
Neural Networks for Image Reconstruction	Dwinnell, W.	10.4	Jul/Aug '96	34	Using NN to restore damaged images
Objects in Business: System Development	Huchzermeier, J.	10.4	Jul/Aug '96	28	Using OO models to suport business changes
Knowledge-Based Systems Yesterday, Today, and Tomorrow	Huntington, D.	10.4	Jul/Aug '96	22	Overview of knowledge-based systems
Intelligent Software Maintenance	Burnell, L.	10.4	Jul/Aug '96	16	Using a knowledge-based technology to perform software debugging

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Review: NeuroGenetic Optimizer	Immarco, P.	10.3	May/Jun '96	42	Review of NeuroGenetic Optimizer, a NN development package that uses GAs
Review: NeuroSolutions	Rapaport, J. et al	10.3	May/Jun '96	40	Review of NeuroSolutions, an environment that covers NN development
Vendor's Forum: MATLAB's Fuzzy Logic Toolbox	Karnofsky, et al	10.3	May/Jun '96	35	The thought process behind MATLAB
Interview: Steve Ward	Hengl, T.	10.3	May/Jun '96	24	Interview with Steve Ward, Founder and President of Ward Systems Group
Cybernautica	Berghel, H.	10.3	May/Jun '96	50	Is a Web-presence appropriate for your business?
Genetic Algorithms	Hill, R.	10.3	May/Jun '96	27	Exploring how GA can be problem solving tools for businesses
Overview: Fuzziness	Klimasauskas, C.	10.3	May/Jun '96	22	Overview of fuzzy logic
Neural Nets That Create and Discover	Thaler, S.	10.3	May/Jun '96	16	The modeling creativity from relaxing or destroying a NN internal structure
Cybernautica: Goodbye, OS/2	Berghel, H.	10.2	Mar/Apr '96	49	Product life cycles in cyberspace can be limited
Interview: Dan Corkill	Hengl, T.	10.2	Mar/Apr '96	32	Interview with Dan Corkill, President of Blackboard Technology Group
Objects and the Environment: Site Remediation	Creswick, M.	10.2	Mar/Apr '96	40	Using an OO ES to identify regulations for cleanup activities at a hazardous waste site
Intelligent Business Applications: Customer Service	Rapaport, J.	10.2	Mar/Apr '96	34	Using ES to leverage expertise to increase customer service quality
Building Custom Rule Engines	Merritt, D.	10.2	Mar/Apr '96	23	Custom rule engines that use domain-specific rule syntax to process rules efficiently
Objects in Business: Thinking in Objects	Huchzermeier, J.	10.2	Mar/Apr '96	16	OO in business that takes huge steps towards competitive advantages
Vendor's Forum: LEVEL5 Quest	Hencin, R.	10.1	Jan/Feb '96	39	The thinking behind LEVEL5 Quest
Cybernautica: A Web Monopoly?	Berghel, H.	10.1	Jan/Feb '96	22	Is there a monopoly on the World Wide Web?
Automated Modeling	Pittaras, A.	10.1	Jan/Feb '96	35	Automating math models to set up investment portfolios
Making the Switch	Dooley, J.	10.1	Jan/Feb '96	32	Using ES to monitor a telephone switch, a device for routing phone calls
Knowledge-Based Product Configuration	Carson, C.	10.1	Jan/Feb '96	30	Using Knowledge-based applications to facilitate the process of product configuration
Smart Safety Plans	Goodner, J. et al	10.1	Jan/Feb '96	24	Using ES to generate health and safety plans for the environment
Intelligent Data Entry	Tway, L. et al	10.1	Jan/Feb '96	16	Examining COREXPert, a knowledge-based multimedia system
Review: XpertRule	Creswick, M.	9.6	Nov/Dec '95	39	Review of XpertRule, a knowledge based systems generator
Vendor's Forum: NeuroSolutions	Principe, J.	9.6	Nov/Dec '95	49	A look at NeuroSolutions, an OO NN shell
Cybernautica: Return of the Test Pattern	Berghel, H.	9.6	Nov/Dec '95	35	How test patterns are making their return on the internet
Groupware: Reconnecting with Human Intelligence	Rasmus, D.	9.6	Nov/Dec '95	27	Exploring the ramifications of Groupware connections
Logic Programming and Natural Language	Schmuller, J.	9.6	Nov/Dec '95	23	Conclusion to series on Definite Clause Grammar
Intelligent Business Applications	Rapaport, J.	9.6	Nov/Dec '95	20	First in a series exploring companies that use AI to meet corporate challenges
Virtual Reality and Real Business	Blanchard, D.	9.6	Nov/Dec '95	16	How and why virtual reality has jumped from video games to the business world
Review: Amzi! Prolog + Logic Server 3.3	Sehmi, A.	9.5	Sept/Oct '95	27	Review of Amzi Prolog + Logic Server 3.3
Interview: Celia Wolf	Hengl, T.	9.5	Sept/Oct '95	30	Interview with Celia Wolf, President and CEO of Gold Hill Inc.
Cybernautica: The Art and Science of Cyberspace	Berghel, H.	9.5	Sept/Oct '95	22	The change in cyberspace from technology to art
Creativity and Tools	Rasmus, D.	9.5	Sept/Oct '95	39	Conclusion of a series about interaction between people and computers & the creative process
Source Code Control in A Smalltalk Environment	Pitts, D. et al	9.5	Sept/Oct '95	34	How to face the challenges that come up when you build OO applications
Speaker Verification	Markowitz, J.	9.5	Sept/Oct '95	24	Exploring new frontiers in computer security using voice recognition

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The OPS Languages	Forgy, C.	9.5	Sept/Oct '95	16	The history and continued evolution of languages that helped to build AI
Review: LEVEL5 OBJECT	Creswick, M.	9.4	Jul/Aug '95	39	LEVEL5 OBJECT 3.6, a Windows development tool from Information Builders
Cybernautica	Berghel, H.	9.4	Jul/Aug '95	34	Reflections on Electronic Mail
Expert Systems Through Visualization	Harriger, A.	9.4	Jul/Aug '95	26	How to use a visually oriented ES development tool to train knowledge engineers
Creativity and Tools	Rasmus, D.	9.4	Jul/Aug '95	23	Examining computer simulations of creativity, second in a three-part series
A Rule Base for Tax Planning	Davine, J.	9.4	Jul/Aug '95	16	How to represent tax code rules that pertain to complex ownership structures
Review: NeuralWare's Predict	Rapaport, J.	9.3	May/Jun '95	40	NeuralWare's Predict, a program that makes NN technology available to everyone
Review: C/S ELEMENTS	Haggerty, S.	9.3	May/Jun '95	26	C/S ELEMENTS, a multiplatform, rapid prototype development application
Cybernautica: Life in a Packet-Sized World	Berghel, H.	9.3	May/Jun '95	50	The "packet" side of cyberspace
Interview: Hanoch Eiron	Hengl, T.	9.3	May/Jun '95	35	Interview with Hanoch Eiron, VP and GM of Franz's LISP division
Creativity and Tools	Rasmus, D.	9.3	May/Jun '95	29	First in a series examining creativity and software that helps us use creativity
Putting Helpdesks to Work	Keyes, J.	9.3	May/Jun '95	27	The influence of AI on software that automates customer support
Refueling a Nuclear Reactor	Chung, et al	9.3	May/Jun '95	22	An OO ES that helps a utility company deliver electricity
Objects and Logic	Merritt, D.	9.3	May/Jun '95	16	How to team Prolog with C++ and exploit each language's strong-points
First Look: GeneHunter	Lewinson, L.	9.2	Mar/Apr '95	26	GeneHunter, GA software from Ward Systems Engineering
Cybernautica: Genesis: The Origins of Cyberspace	Berghel, H.	9.2	Mar/Apr '95	48	The origins of cyberspace
Interview: Lowell Hawkinson	Hengl, T.	9.2	Mar/Apr '95	44	Interview with Lowell Hawkinson, Chairman and CEO of Gensym Corporation
Building Large-Scale Fuzzy Systems	Watkins, F.	9.2	Mar/Apr '95	50	Challenges involved in implementing systems that face combinatorial explosion
Smart Front-Office Applications	Williams, C.	9.2	Mar/Apr '95	40	Conclusion of two-part series about client/server software
Rough Sets	Rapaport, J.	9.2	Mar/Apr '95	35	Exploring a technology that extracts rules from data
Fuzziness in Real Estate	Dilmore, G.	9.2	Mar/Apr '95	32	How fuzzy logic concepts help clarify the appraisal process
Fuzzy Reasoning	Siler, W.	9.2	Mar/Apr '95	22	Describing the application of fuzziness to ES inference
Lesions in Neural Networks	Schmuller, J.	9.2	Mar/Apr '95	16	NN research that simulates damage to living nervous systems
Interview: Jo Marks	Hengl, T.	9.1	Jan/Feb '95	39	Interview with Jo Marks, Founder and President of Harlequin
Cybernautica: Maiden Voyage	Berghel, H.	9.1	Jan/Feb '95	35	Life in cyberspace and the people who reside there
Smart Front-Office Applications	Williams, C.	9.1	Jan/Feb '95	33	Business software that focuses on customer's informational needs
Intelligent Agents	Rasmus, D.	9.1	Jan/Feb '95	27	Software that watches users, learns work patterns, helps them do their jobs
AI and Space-Based Experiments	Benningfield, D.	9.1	Jan/Feb '95	23	Report on an ES that assists astronauts with research in outer space
AI at Microsoft	Lewinson, L.	9.1	Jan/Feb '95	16	Microsoft's research in automated reasoning under uncertainty, and a look at potential apps
Review: O'Inca Design Framework	Rapaport, J.	8.6	Nov/Dec '94	49	Review of O'Inca Design Framework, an OO graphical environment
Review: DataSculptor	Immarco, P.	8.6	Nov/Dec '94	27	Review of DataSculptor, which prepares data for programs to find hidden relationships
AI and the French National Railway	Suel, J.	8.6	Nov/Dec '94	40	An innovative application of constraint-based reasoning
Logic Programming and Natural Language	Schmuller, J.	8.6	Nov/Dec '94	32	Continuation of series on Definite Clause Grammars
AI in Business and Management	Warkentin, et al	8.6	Nov/Dec '94	23	Intelligent systems for the legal profession

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Intelligent Software for Managers	Lewinson, L.	8.6	Nov/Dec '94	16	Intelligent software designed to facilitate corporate management tasks
Integrating Technologies for the Modern Corporation	Cesar, M. et al	8.6	Nov/Dec '94	15	How OO tools, knowledge-based systems, and CASE work in today's business
Review: STATUTE Corporate	Snowden, C.	8.5	Sep/Oct '94	35	Review of STATUTE Corporate
Managing Expert Systems: Business Expert Systems	Liebowitz, J.	8.5	Sep/Oct '94	49	Evaluating business schools in the US and abroad
Vendor's Forum: MEM-1	Wei, T. et al	8.5	Sep/Oct '94	32	Introduction to MEM-1, a LISP-based tool for case-based reasoning
Vendor's Forum: Cogent Prolog and C/C++	Merritt, D.	8.5	Sep/Oct '94	26	The thought process behind the API in Cogent Prolog 3.0
Prolog in the Real World	Roth, A. et al	8.5	Sep/Oct '94	42	Successful commercial applications of Prolog
Cyberspace Navigation	Berghel, H.	8.5	Sep/Oct '94	38	Describing resources that help guide internet travel
The Neural Net Connection	Kempka, A.	8.5	Sep/Oct '94	28	A technique which can improve the performance of your NN package
LISP in the Process Industries	Lewinson, L.	8.5	Sep/Oct '94	22	Report on PROSPEX, a LISP-based Windows system for scheduling and planning
Logic Programming and Natural Language	Schmuller, J.	8.5	Sep/Oct '94	16	New series on Definite Clause Grammar, for working with natural language
Review: SMART ELEMENTS	Haggerty, S.	8.4	Jul/Aug '94	40	Review of SMART ELEMENTS, an ES development environment by Neuron Data
Review: Listen for Windows 1.1	Markowitz, J.	8.4	Jul/Aug '94	14	Review of Verbex Voice Systems' Listen for Windows 1.1
Vendor's Forum: Rete++	Haley, P.	8.4	Jul/Aug '94	24	The thinking behind the development of Haley Enterprise's Rete++
AI Information on Internet	Hengl, T.	8.4	Jul/Aug '94	36	How and where to find AI-related topics on the internet
Representing Medical Knowledge	Lewinson, L.	8.4	Jul/Aug '94	32	Report on Arden Syntax, a technique that captures and disseminates medical expertise
Evidence in Knowledge-Based Systems	Phillips, D.	8.4	Jul/Aug '94	28	Explaining a mechanism that enables a knowledge-based system to evaluate evidence
FAST Advisor	Creekpaum, et al	8.4	Jul/Aug '94	16	A knowledge-based system that analyzes the credit of loan applicants
Vendor's Forum: @BRAIN	Staub, M.	8.3	May/Jun '94	42	The thinking behind @BRAIN, a NN development package
Inside Intelligence: Virtual Reality	Keyes, J.	8.3	May/Jun '94	36	Discussion of virtual reality
Vendor's Forum: CubiCalc	Packert, B.	8.3	May/Jun '94	28	An account of the history of CubiCalc, a fuzzy logic shell
Community-Based Computing Education	Bemley, J.	8.3	May/Jun '94	38	Joint Education Facilities Inc., a non-profit group that teaches inner city kids computing
Networks for Speech	Markowitz, J.	8.3	May/Jun '94	31	How NN technology helps automate speech recognition
Neural Nets and Money Management	Lewinson, L.	8.3	May/Jun '94	26	A financial firm that uses NNs in its business
Diagnosing Autism	Cohen, et al	8.3	May/Jun '94	22	A NN application for diagnosing autism
Fuzzy Logic and Neural Networks	Fraleigh, S.	8.3	May/Jun '94	16	Combining fuzzy logic and NNs to produce powerful industrial applications
Review: MicroGA	Darling, C.	8.2	Mar/Apr '94	44	Review of MicroGA, a program that explores GAs
Review: Active Prolog Tutor	Berghel, H.	8.2	Mar/Apr '94	42	Review of Active Prolog Tutor, one of several educational offerings from Amzi!
Review: EZ-Xpert	Schmuller, J.	8.2	Mar/Apr '94	36	Review of EZ-Xpert, a shell that leads you step-by-step through the creation of an ES
Bookshelf: A Quick Trip to ObjectLand	Stevenson, A.	8.2	Mar/Apr '94	56	Review: "A Quick Trip to ObjectLand: OO Programming with Smalltalk/V"
Vendor's Forum: Berard Object and Class Specifier	Schultz, R.	8.2	Mar/Apr '94	48	The OO thinking behind Berard's Object and Class Specifier
Customer Support: An Opportunity for AI	Webber	8.2	Mar/Apr '94	41	Outlining a strategic role for AI in the development/operations of helpdesks
The Common LISP Interface Manager	Richardson, et al	8.2	Mar/Apr '94	34	The OO architecture of a tool for developing portable GUIs
Fractal Databases	Lewinson, L.	8.2	Mar/Apr '94	30	An innovative technique for data management and analysis

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Number Please	Markowitz, J.	8.2	Mar/Apr '94	23	The technology/applications of telephone-based automatic speech recognition
Objects in the Shell Game: NEXPERT OBJECT 3.0	Schmuller, J.	8.2	Mar/Apr '94	16	Exploring OO features of Neuron Data's ES development package
Review: @BRAIN	Flanders, S.	8.1	Jan/Feb '94	40	Review of @BRAIN, a NN development tool from Talon Development Corporation
Review: LEVEL5 OBJECT	Oxman, S.	8.1	Jan/Feb '94	28	Review of LEVEL5 OBJECT, an OO Windows-based package by Level Five Research
Bookshelf: The Art of Human-Computer Interface Design	Stevenson, A.	8.1	Jan/Feb '94	26	Review: "The Art of Human-Computer Interface Design" by Laurel and Mountford (ed.)
Neural Nets and Gymnastics	Sands, et al	8.1	Jan/Feb '94	42	A NN built to analyze athletic performance
Expert Systems: An Overview of the Field	Durkin, J.	8.1	Jan/Feb '94	37	Exploring the applications of ES technology
Collective Learning Systems III	Becker, G. et al	8.1	Jan/Feb '94	34	Conclusion to a three part series on intelligent systems that learn about the visual world
A New Approach to kSpeech Translation	Eisenberg, S.	8.1	Jan/Feb '94	30	A parallel processor-based system for translating English into Japanese
AI in Business and Management	Warkentin, M. et al	8.1	Jan/Feb '94	23	Intelligent software packages for accounting and auditing
Automatic Speech Recognition	Markowitz, J.	8.1	Jan/Feb '94	16	The fundamentals, facts, and fallacies of Automatic speech recognition
Review: NeuralWorks Professional II+	Immarco, P.	7.6	Nov/Dec '93	40	Review of NeuralWorks Professional II+, a NN development environment by NeuralWare
Review: M.4	Schmuller, J.	7.6	Nov/Dec '93	31	Review of M.4, an ES shell by Teknowledge
Bookshelf: Artificial Life Playhouse	Darling, C.	7.6	Nov/Dec '93	48	Review: "Artificial Life Playhouse: Evolution at Your Fingertips" by Stephen Prata
Inside Intelligence: A Little Pizzazz	Keyes, J.	7.6	Nov/Dec '93	43	Comparing knowledge based systems to novels
AI in Business and Management	Warkentin, J.	7.6	Nov/Dec '93	36	Description of knowledge-based and case-based customer service applications
Money Listens: Speech Recognition in the Financial Industry	Markowitz, J.	7.6	Nov/Dec '93	28	Report on new applications of a leading edge technology
The GPO Management System	Taylor, P.	7.6	Nov/Dec '93	24	An ES that helps employees take on new management responsibilities
Data Mining: Intelligent Technology Gets Down to Business	Lewinson, L.	7.6	Nov/Dec '93	16	Examining software packages that find patterns hidden in data
Vendor's Forum: Transducer/PC	Trenouth, J.	7.5	Sept/Oct '93	42	Transducer/PC, a system that can develop a Common LISP application on a UNIX platform
Review: VP-Expert	Schmuller, J. et al	7.5	Sept/Oct '93	33	Review of the VP-Expert 3.0, and ES shell
Bookshelf: "Object-Oriented Information Systems	Stevenson, A.	7.5	Sept/Oct '93	52	Review: "OO Information Systems: Planning and Implementation" by David A. Taylor
Managing Expert Systems: Improving Tech Management	Liebowitz, J.	7.5	Sept/Oct '93	48	How to increase skill and sophistication in the management of ES
Inside Intelligence: Ruminations	Keyes, J.	7.5	Sept/Oct '93	24	AI in entertainment
Neural Nets and Stocks	Kean, J.	7.5	Sept/Oct '93	45	NN development for financial market prediction
The Common LISP Interface Manager	Richardson, C., et al	7.5	Sept/Oct '93	38	A de facto standard for building LISP applications that port across GUI toolkits
Real-World Machine Translation	Loewen, V.	7.5	Sept/Oct '93	29	How Prolog is the basis for commercial solutions to a long standing problem
LISP-Based Scheduling	Warner, M.	7.5	Sept/Oct '93	25	Ashland Petroleum's system for planning/monitoring the movement of crude oil
Exploring Prolog	Merritt, D.	7.5	Sept/Oct '93	18	The fine points of Prolog through an adventure game and three other programs
Review: NeuroShell 2	Immarco, P.	7.4	Jul/Aug '93	34	Review of NeuroShell 2, a Windows-based NN product
Review: Flex	Ruggles, B.	7.4	Jul/Aug '93	26	review of Flex, a Prolog-based ES programming toolkit from Logic Programming Assoc
Bookshelf: Infotrends	Stevenson, A.	7.4	Jul/Aug '93	53	Review: "Infotrends" by Jessica Keyes
Interview: Herb Blecker	Schmuller, J.	7.4	Jul/Aug '93	42	Interview with Herb Blecker, founder and President of ICARUS Corporation
Inside Intelligence: Having it All	Keyes, J.	7.4	Jul/Aug '93	14	Adding comedy and drama to the world of AI

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Objects in the Shell Game	Schmuller, J.	7.4	Jul/Aug '93	37	Series about OO knowledge representation in ES shells
Putting Expert Systems to the Test	Touchton, R. et al	7.4	Jul/Aug '93	29	Procedures for verifying and validating ES
Intelligent Information Engineering	Rasmus, D.	7.4	Jul/Aug '93	24	Linking cutting edge technology with traditional procedures for systems design
Widening the Bottleneck	Markowitz, J.	7.4	Jul/Aug '93	18	Applying ethnographic techniques to the knowledge acquisition process
Review: ModelWare	Wheeler, C.	7.3	May/Jun '93	40	Review of ModelWare, a modeling tool from Teranet IA
Inside Intelligence: AI in the Age of Multimedia	Keyes, J.	7.3	May/Jun '93	39	AI in the age of multimedia
Managing Expert Systems: Helpful Heuristics	Liebowitz, J.	7.3	May/Jun '93	16	How heuristics can help manage ES
Overview: Object Orientation	Schmuller, J.	7.3	May/Jun '93	9	Overview of object orientation
Interpreting Neural Network Output	Garavaglia, S.	7.3	May/Jun '93	52	What steps should you take when a NN doesn't converge?
A CASE for Prolog	Spenser, C. et al	7.3	May/Jun '93	42	Description of the Prolog-based development of ADW, a CASE tool
Objects in a GUI	Gunter, D.	7.3	May/Jun '93	33	Using OO features of IntelliCorp's Kappa PC to build an intelligent interface
LogicBase	Ruggles, B.	7.3	May/Jun '93	30	How Shell Oil used PDC Prolog to build a database development environment
Object Oratory	Williams, J.	7.3	May/Jun '93	22	Comparison of C++ and Smalltalk by building a Windows application in each language
Objects in the Air	De Salvo, D.	7.3	May/Jun '93	18	The Evolution, process, and benefits of OO engineering
Vendor's Forum: The Evolution of N-TRAIN	Katz, J.O. et al	7.2	Mar/Apr '93	44	N-TRAIN, a NN development tool designed for 32-bit compilers
Review: Fair Witness	Rasmus, D.	7.2	Mar/Apr '93	32	Review of Fair Witness, a Mac-based tool for knowledge engineers
Interview: Abraham Kandel		7.2	Mar/Apr '93	40	Interview with Abraham Kandel, an expert in fuzzy logic
Bookshelf: In Our Own Image	Stevenson, A.	7.2	Mar/Apr '93	30	Review: "In Our Own Image" by Maureen Caudill
Inside Intelligence: Hot Applications for 1993	Keyes, J.	7.2	Mar/Apr '93	18	Five hottest applications for 1993
Managing Expert Systems: Legal Issues	Zeide, J. et al	7.2	Mar/Apr '93	16	Legal issues of managing an ES
Severance Mentor	Montgomery, L.	7.2	Mar/Apr '93	48	An ES used to assist Human Resource Managers
AI in Business and Management	Warkentin, M. et al	7.2	Mar/Apr '93	35	ES that help corporations with information resource management
Assessing a Neural Net	Burke, L.	7.2	Mar/Apr '93	20	What to look for when you evaluate a neural application
Three Faces of Fuzziness	Schmuller, J.	7.2	Mar/Apr '93	14	Theory, Practice, and application of fuzzy logic
Review: Three Translation Assistants	Rolandi, W.	7.1	Jan/Feb '93	52	Three PC-based packages that expedite the translation process
Review: NeuroWindows	Immarco, P.	7.1	Jan/Feb '93	34	A review of NeuroWindows, the new look for NNS
Vendor's Forum: DataLogic/R	Szladow, A.	7.1	Jan/Feb '93	25	DataLogic/R, a tool which examines databases and derives if-then rules about the data
Vendor's Forum: ModelWare	Tucker, K.	7.1	Jan/Feb '93	14	Technology behind ModelWare and some new capabilities
Managing Expert Systems: Creating Awareness	Liebowitz, J.	7.1	Jan/Feb '93	54	Management of ES
Bookshelf: Artificial Life: The Quest for a New Creation	Darling, C.	7.1	Jan/Feb '93	50	Review: "Artificial Life: The Quest for a New Creation" by Steven Levy
Inside Intelligence: The Outlook for AI	Keyes, J.	7.1	Jan/Feb '93	16	The outlook for AI
Knowledge Programming Meets Linear Programming II	Ignizio, J. et al	7.1	Jan/Feb '93	45	Conclusion of a series combining the EXSYS Shell with the LINDO modeling tool
Collective Learning Systems II	Bock, P. et al	7.1	Jan/Feb '93	42	Inductive approach to machine learning, second in a three-part series
Teaching a Course in Applied Expert Systems	Liebowitz, J.	7.1	Jan/Feb '93	32	Maintaining student interest

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Inspector	Fryer, B.	7.1	Jan/Feb '93	26	Chemical Bank's knowledge-based tool that can examine high volume trading
TECKCHEK	Bookman, H.	7.1	Jan/Feb '93	22	Discussion of an ES-based proficiency test that assists in the hiring process
A Methodology for Building Knowledge-Based Systems	Pepper, J.	7.1	Jan/Feb '93	18	Procedure for system development and deployment
Review: Palmtop Computing	Rasmus, D.	6.6	Nov/Dec '92	40	Review of two palmtop computers, the Wizard and Hewlett-Packard's HP 95LX
Bookshelf: Envisioning Information	Stevenson, A.	6.6	Nov/Dec '92	53	Review: "Envisioning Information" by Edward R. Tufte
Inside Intelligence: The Painful Reality of Virtualness	Keyes, J.	6.6	Nov/Dec '92	32	Virtual reality and multimedia in everyday life
Overview: Multimedia	Barker, D.	6.6	Nov/Dec '92	8	Overview of Multimedia
A Window on UNIX II	Metzner, W. et al	6.6	Nov/Dec '92	44	Conclusion of the series on GUI and the development of X Window application in Prolog
Two Working Neural Nets	Lawrence, J.	6.6	Nov/Dec '92	42	NN embedded into Optical Character Recognition systems
SPECSsystem	Dean, R.P.	6.6	Nov/Dec '92	36	A specification-writing ES on CD-ROM
Intermedia for Executives	Karr, R.	6.6	Nov/Dec '92	34	Building on multimedia to provide communication among corporate managers
KARTT	Liebowitz, J. et al	6.6	Nov/Dec '92	28	KARTT, a multimedia tool
Automating a Help Desk	Kulik, P.	6.6	Nov/Dec '92	26	Development of Help Desk and the use of multimedia to expand its scope
AI and the Environment	Stone, N.	6.6	Nov/Dec '92	21	CROPS, a planning system that helps farmers comply with environmental regulations
A Primer on Multimedia	Becker, G.	6.6	Nov/Dec '92	17	Concepts and information for multimedia authors
Review: A Scheme for Change	Schmuller, J.	6.5	Sept/Oct '92	57	Review of EdScheme, for learning the LISP language
Vendor's Forum: RuleTalk	Mueller, L.	6.5	Sept/Oct '92	31	The development of RuleTalk, a high-level language
Review: Help!	Rasmus, D.	6.5	Sept/Oct '92	18	Review of Help!, an ES that analyzes Macs
Bookshelf: The Age of Intelligent Machines	Berghel, H.	6.5	Sept/Oct '92	35	Review: "The Age of Intelligent Machines" by Raymond Kurzweil
Insights and Answers: So Long & Thanks for All the Thought	Shafer, D.	6.5	Sept/Oct '92	30	Dan Shafer's farewell article
Inside Intelligence: What's the Beef?	Keyes, J.	6.5	Sept/Oct '92	16	Separating real AI from fake AI
Overview: Languages	Schmuller, J.	6.5	Sept/Oct '92	7	Overview of AI programming languages
An Earful of Smalltalk	Williams, J.	6.5	Sept/Oct '92	48	Fundamentals and development environment of Smalltalk, an OO language
Prolog Under the Hood	Merritt, D.	6.5	Sept/Oct '92	44	The inner workings of Prolog and ways to increase its appeal
LISP and Statistics	Schmuller, J.	6.5	Sept/Oct '92	40	Examining LISP-STAT used to turn LISP into a tool for statisticians
A Window on UNIX I	Metzner, W. et al	6.5	Sept/Oct '92	36	The world of graphical user interfaces, especially the X-Window System
Knowledge Programming Meets Linear Programming I	Ignizio, J.	6.5	Sept/Oct '92	25	Using the EXSYS ES shell to build an intelligent user interface
A Wealth of Languages	Keyes, J.	6.5	Sept/Oct '92	20	Applications written in LISP, Prolog, Smalltalk
Review: NeuroShell	Immarco, P.	6.4	Jul/Aug '92	51	Review of Ward System's Power Toolset NeuralShell
Review: Level5 Object	Barker, D.	6.4	Jul/Aug '92	44	An overview of LEVEL5 Object and a look at enhancements in release 2.5
Interview: Dustin Huntington	Schmuller, J.	6.4	Jul/Aug '92	54	Interview with Dustin Huntington, Founder and President of EXSYS Inc.
Inside Intelligence: A Side Door to Productivity	Keyes, J.	6.4	Jul/Aug '92	48	AI vendors have missed a great opportunity
Overview: Expert Systems	Schmuller, J.	6.4	Jul/Aug '92	9	Overview of ES
AI in Business and Management	Warkentin, M. et al	6.4	Jul/Aug '92	56	ES that help corporations manage human resources

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Expert System Software	Tway, L. et al	6.4	Jul/Aug '92	52	Features to look for in a development tool
Collective Learning Systems I	Bock, P. et al	6.4	Jul/Aug '92	26	Inductive approach to machine learning, first in a three-part series
A Knowledge-Based Intelligent Tutoring System	Schaefer, et al	6.4	Jul/Aug '92	20	A development environment for building ES-based training tools
AI and the Environment	Ketterer, N. et al	6.4	Jul/Aug '92	19	An ES that helps the EPA estimate hazardous waste cleanup costs
Review: RuleTalk	Tello, E.	6.3	May/Jun '92	52	Review of RuleTalk, a rule-based OOP windows development
Vendor's Forum: NeuroWindows	Ward, S.	6.3	May/Jun '92	47	NeuroWindows opens a window on NN
Vendor's Forum: DynaMind Developer	Howard, V.	6.3	May/Jun '92	35	DynaMind Developer, a tool for developing embedded NN
Review: Alacron's i860 Board	Immarco, P.	6.3	May/Jun '92	28	Review of Alacron's i860 Board, an accelerator for NeuralWorks
Bookshelf: A Practical Guide to Neural Nets	Schmuller, J.	6.3	May/Jun '92	56	Review: "A Practical Guide to Neural Nets" by Nelson and Illingworth
Inside Intelligence: You've Got to Have Friends	Keyes, J.	6.3	May/Jun '92	44	The need to collaborate
The Manufacturing Mind: Thinking About Neural Networks	Rasmus, D.	6.3	May/Jun '92	22	NN application in manufacturing
Overview: Neural Networks	Schmuller, J.	6.3	May/Jun '92	8	Overview of NN
AI and Agriculture	Benningfield, D.	6.3	May/Jun '92	41	Smart software that helps farmers
A Neural Net/ES Hybrid	Ace, J.	6.3	May/Jun '92	38	A system that detects trouble in an important manufacturing process
AI in Business and Management	Warkentin, M. et al	6.3	May/Jun '92	31	ES in finance
Neural Network Design: An Object Oriented Approach	Williams, J.	6.3	May/Jun '92	23	How OO techniques yield a flexible NN design
Neural Nets: A Successful AI Technology	Keyes, J.	6.3	May/Jun '92	18	NN tools and their application in business and medicine
Review: Apple's New Computers	Rasmus, D.	6.2	Mar/Apr '92	42	Review of Apples's PowerBook and Classic II
Review: HyperLogic's CubiCalc 1.1 RTC	Brubaker, D.	6.2	Mar/Apr '92	35	Review of HyperLogic's CubiCalc 1.1 RTC
Review: Borland's ObjectVision 2.0	Varghese, S.	6.2	Mar/Apr '92	21	Review of Borland's ObjectVision 2.0
Conference Report: First World Congress on Expert Systems		6.2	Mar/Apr '92	55	Information on the first world congress of ES
Bookshelf: The Tao of Objects	Helton, T.	6.2	Mar/Apr '92	56	Review: "The Tao of Objects" by Gary Entsminger
Interview: Michael Stock	Schmuller, J.	6.2	Mar/Apr '92	38	Interview with Michael Stock, President and CEO of Artificial Intelligence Technologies, Inc.
The Manufacturing Mind: The Object of Design	Rasmus, D.	6.2	Mar/Apr '92	24	How OOP can add intelligence of CAD and increase its power
Insights and Answers: Prograph 2.5	Shafer, D.	6.2	Mar/Apr '92	16	Visual Programming Revisited: Prograph is Pretty and Hot
AI Products Under \$200	Toy, D. et al	6.2	Mar/Apr '92	48	Packages for the budget-conscious
C++ and Application Frameworks	Lane, A.	6.2	Mar/Apr '92	47	How class libraries speed up software development
An Object Lesson for SUNY	Keyes, J.	6.2	Mar/Apr '92	44	An OO database management system that handles administrative functions
AI in Business and Management	Warkentin, M. et al	6.2	Mar/Apr '92	31	ES and robots that help manage production and operations in manufacturing
Adding Intelligence	Patel, M. et al	6.2	Mar/Apr '92	28	Putting decision processes modeled in Prolog into a C-based system
A Plus for C++	Keyes, J.	6.2	Mar/Apr '92	18	Discussion of a widely used OOP language
Review: Macintosh's System 7.0	Rasmus, D.	6.1	Jan/Feb '92	40	Review of Macintosh's System 7.0
Vendor's Forum: John Hare, Sapiens Software	Hare, J.	6.1	Jan/Feb '92	30	Star Sapphire: The Making of a Common LISP
Bookshelf: Intelligent User Interfaces	Helton, T.	6.1	Jan/Feb '92	55	Review: "Intelligent User Interfaces" by Sullivan & Tyler

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Conference Report: Neuro-Nimes 91	Klimasauskas, R.J.	6.1	Jan/Feb '92	46	Highlights of the NN Conference in Nimes, France
Interview: Michael Alexander of Prolog Development Center	Schmuller, J.	6.1	Jan/Feb '92	24	Interview with Michael Alexander, President and Co-Founder of Prolog Development Center
Insights and Answers	Shafer, D.	6.1	Jan/Feb '92	16	LISP vs. Prolog
AI in Athletics	Sands, W.	6.1	Jan/Feb '92	52	An ES built for monitoring training/condition of world-class gymnasts
Auditing Expert Systems	Keyes, J.	6.1	Jan/Feb '92	48	Guidelines for charting development/performance of ES
AI and the Environment	Civco, D.	6.1	Jan/Feb '92	43	NN used to analyze satellite transmitted images of Earth's surface
Thinking Tools: Part II	Stevenson, A.	6.1	Jan/Feb '92	35	Conclusion of itthink discussion; a look at High Performance System's STELLA
AI in Business and Management	Sisodia, R. et al	6.1	Jan/Feb '92	32	Expert systems that help corporations market products
Blackboard Systems	Lander, S.	6.1	Jan/Feb '92	27	Examining systems that can coordinate intelligent components
Virtual Reality	Johnson, R.C.	6.1	Jan/Feb '92	18	Exploring tomorrow's intelligent user interfaces
Review: AIT's Mercury KBE	Dominiko, R.	5.6	Nov/Dec '91	54	Review of a tool for intelligent re-engineering
Review: Top Ten KE Tools for the Macintosh	Rasmus, D.	5.6	Nov/Dec '91	50	Top Ten KE Tools for the Macintosh
Review: IF/Prolog	Ryu, Y.	5.6	Nov/Dec '91	44	Review of a high performance Prolog
Bookshelf: Intelligent Systems Design	Helton, T.	5.6	Nov/Dec '91	56	Review: "Intelligent Systems Design: Integrating ES, Hypermedia, and Database Technologies"
The Manufacturing Mind: Objectify Your Bandwagon	Rasmus, D.	5.6	Nov/Dec '91	38	Objectify your bandwagon
Ask the Expert	Shafer, D.	5.6	Nov/Dec '91	16	Division of Labor, Programming Teams, and Development Tools
Applying Neural Networks: Part VI	Klimasauskas, C.	5.6	Nov/Dec '91	46	Practical side of neural networks, sixth in a series
Decision Quality and Decision Tools	Creswell, D. et al	5.6	Nov/Dec '91	40	How software can move the decision-making process along
Synthetic Intelligence	Keyes, J.	5.6	Nov/Dec '91	34	Metamorph and IdeaFisher, systems that build ideas
Why Not?	Roach, D. et al	5.6	Nov/Dec '91	32	Prolog-based ES can show why a goal failed
AI and the Environment: Knowledge-Based Tools	Greathouse, D. et al	5.6	Nov/Dec '91	29	ES and the EPA
AI in Business and Management: An Overview	Warkentin, M.	5.6	Nov/Dec '91	26	Areas of the business world where AI is put to work
Thinking Tools: Part I	Stevenson, A.	5.6	Nov/Dec '91	18	A tool called itthink, examining thinking styles
Review: Xi Plus	Rasmus, D.	5.5	Sept/Oct '91	56	Review of Inference Corp.'s Xi Plus Release 3
Review: Guru 3.0	Ruby, E.C.	5.5	Sept/Oct '91	54	Review of mdbs's Guru 3.0
Bookshelf: The Craft of Prolog	Berghel, H.	5.5	Sept/Oct '91	64	Review: "The Craft of Prolog" by Richard O'Keefe
The Manufacturing Mind	Rasmus, D.	5.5	Sept/Oct '91	34	Whatever Happened to LISP?
Interview: Celia Wolf of Gold Hill, Inc.	Schmuller, J.	5.5	Sept/Oct '91	30	Interview with Celia Wolf, president and CEO of Gold Hill Inc.
Ask the Expert: Visual Programming	Shafer, D.	5.5	Sept/Oct '91	18	Visual Programming's Impact Minimal in the Near Term
OOP + Expert System + GUI	Bollay, D.	5.5	Sept/Oct '91	51	Building a system that designs digital circuits
Logic Programming with Tableaus	Berghel, H.	5.5	Sept/Oct '91	48	A new type of inference engine for logic programming languages
Expert System Shells at Work	Schmuller, J. et al	5.5	Sept/Oct '91	42	Using Icarus Corporation's Mentor to build an ES
Applying Neural Networks: Part V	Klimasauskas, C.	5.5	Sept/Oct '91	36	Practical side of neural networks, fifth in a series
Time's Up!	Toy, D.	5.5	Sept/Oct '91	32	Testing 4 AI application on different machines

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Biosphere II	Benningfield, D.	5.5	Sept/Oct '91	26	Description of Biosphere II and AI techniques being used in it
Languages of AI	Schmuller, J.	5.5	Sept/Oct '91	21	Exploring the building blocks of AI applications
Bookshelf: Creating Expert Systems for Business and Industry	Barker, D.	5.4	Jul/Aug '91	71	Review: "Creating Expert Systems for Business and Industry" by Harmon and Sawyer
The Manufacturing Mind	Rasmus, D.	5.4	Jul/Aug '91	51	Process Planning 102
Ask the Expert: Genetic Algorithms and OOPS	Shafer, D.	5.4	Jul/Aug '91	18	Hottest "New" technologies give lie to high-tech beliefs
Voice Navigator	Rasmus, D.	5.4	Jul/Aug '91	56	Examining a device that allows mouse clicks or keyboard strokes to be entered by voice
Expert System Shells at Work	Schmuller, J. et al	5.4	Jul/Aug '91	46	Examining AIM - takes numerical database and builds a network showing relationships
CBR-Express: Getting Down to Cases	Shafer, D.	5.4	Jul/Aug '91	42	Exploring Case-based reasoning
Applying Neural Networks: Part IV	Guiver, J. et al	5.4	Jul/Aug '91	34	Practical side of neural networks, fourth in a series
Expert Systems in Science	Berghel, et al	5.4	Jul/Aug '91	28	Using ES in a toxicology study
Rules that Control Rules	Darling, C.	5.4	Jul/Aug '91	20	Exploring meta-rules and the role they play in ES
Review: NeuralWorks Professional II Plus Version 4.0	Middlewood, M.	5.3	May/Jun '91	50	Review of NeuralWorks
Application Corner: BrainMaker Pro Version 1.5	Lawrence, J.	5.3	May/Jun '91	42	Neural Network Applications
Bookshelf	Barker, D.	5.3	May/Jun '91	62	Review: "Apprentices of Wonder: Inside the NN Revolution" by Allman
Interview: Todd Gutschow	Hengl, T.	5.3	May/Jun '91	46	Interview with Todd W. Gutschow, co-founder of HNC
The Manufacturing Mind	Rasmus, D.	5.3	May/Jun '91	31	Process planning 101
Ask the Expert	Shafer, D.	5.3	May/Jun '91	18	Are there times when a language is the best choice?
PenPoint Operating System Embodies Real Intelligence	Shafer, D.	5.3	May/Jun '91	58	Features in the GO operating system
Mission Possible-Applications	Sherald, M.	5.3	May/Jun '91	56	Build an application to profile job applicants for security risk
The BLOBs are Coming!	Jones, K.	5.3	May/Jun '91	45	Binary Large Objects can simplify knowledgebase management
Prolog on Prolog	Berghel, H. et al	5.3	May/Jun '91	38	Prolog program which partially automates Prolog documentation
Expert System Shells At Work	Schmuller, J. et al	5.3	May/Jun '91	26	Build an ES in Nextpert Object
Applying Neural Networks: Part III	Klimasauskas, C.	5.3	May/Jun '91	20	Practical side of neural networks, third in a series
Review: Togai Infralogic	Immarco, P. et al	5.2	Mar/Apr '91	52	Review of two products from Togai Infralogic
Review: BrainMaker Professional v.2.0	Middlewood, M.	5.2	Mar/Apr '91	50	Review of Brainmaker Professional v.2.0
Vendors Forum: NTERGAID	Johnson, J.S.	5.2	Mar/Apr '91	46	Hyperwriter and hypermedia technology in general
Review: Prograph, v.2.0	Talburt, J. et al	5.2	Mar/Apr '91	24	Review of Prograph, v.2.0
Bookshelf: The Writing Space	Barker, D.	5.2	Mar/Apr '91	62	Review: "The Writing Space-The Computer, Hypertext, and the History of Writing" by Balter
The Manufacturing Mind: Generating Diagnostic Apps.	Rasmus, D.	5.2	Mar/Apr '91	35	Generating Diagnostic Applications
Ask the Expert: Ten Suggestions for K.A.	Shafer, D.	5.2	Mar/Apr '91	18	Ten suggestions for KA
Hypercard as a Tool in Hypertext Applications	Bob Gregg	5.2	Mar/Apr '91	55	History of hypercard and features of Hypercard 2.0
Intelligence and the Future of Computer Media	Newquist, H.	5.2	Mar/Apr '91	45	Futuristic look at hypertext and hypermedia
The Message is the Hypermedia	Rasmus, D.	5.2	Mar/Apr '91	38	Hypermedia products vs. hypertext products
Applying Neural Networks: Part II	Klimasauskas, C.	5.2	Mar/Apr '91	27	Practical side of neural networks, second in a series

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Prolog Redux		5.2	Mar/Apr '91	23	Latest release - PDC Prolog
My Search for the Hyper in Hypertext	Shafer, D.	5.2	Mar/Apr '91	20	Hypertext in conjunction with expert systems to develop IA
Bookshelf: How to Build a Person	Barker, D.	5.1	Jan/Feb '91	50	Review: "How to Build a Person" by John L. Pollock
Interview: Steve Weyer of Apple Computer	Hengl, T.	5.1	Jan/Feb '91	46	Interview with Steve Weyer, manager of IA at Apple Computers
The Manufacturing Mind	Rasmus, D.	5.1	Jan/Feb '91	28	Embedded AI on the manufacturing floor
Ask the Expert	Shafer, D.	5.1	Jan/Feb '91	18	Integration with other applications not quite ready
AI International: European Involvement	Penrose, D.	5.1	Jan/Feb '91	16	AI products and activities in Milan, Italy
Fuzzy Associative Memories-The Art of Fuzziness	Immarco, P.	5.1	Jan/Feb '91	52	Introduction to fuzzy associative memory systems
Expert System Shells at Work	Schmuller, J. et al	5.1	Jan/Feb '91	40	ES built using mdbs's GURU
Knowledge Acquisition PC Style	Rasmus, D.	5.1	Jan/Feb '91	34	Tools for transfer of knowledge from expert to ES
Applying Neural Networks: Part 1	Klimasauskas, C.	5.1	Jan/Feb '91	30	Practical side of neural networks, first in a series
The Intelligent Application of AI Tools	Nolan, T.	5.1	Jan/Feb '91	24	Using AI tools to simplify classical programming
Intelligent Applications	Shafer, D.	5.1	Jan/Feb '91	20	What constitutes an intelligent application?
User-Crafted Design Tools - Help in Windows Design	Shafer, D.	4.6	Nov/Dec '90	56	How-to: Software design issues involved in a windows environment
Bookshelf - Human & Computer Interface Design	Barker, D.	4.6	Nov/Dec '90	64	Review: "The Art of Human-Computer Interface Design" by Addison Wesley
Neural Networks Go Biotech	Caudill, M.	4.6	Nov/Dec '90	54	Application: NN and processing techniques that classify genetic fingerprints of race horses
A Case for Neural Networks	Johnson, C.	4.6	Nov/Dec '90	47	Applying the principles of CASE to NN
Manufacturing Mind - A Winter Reading List	Rasmus, D.	4.6	Nov/Dec '90	28	Review: Books for applying AI to manufacturing
Intelligent 4GL's - Smarter Applications & Programming Tools	Darling, C.	4.6	Nov/Dec '90	22	Products: The integration of 4GL's with ES promises exciting benefits
An E.S. for Government Regulations	Berghel, H. et al	4.6	Nov/Dec '90	50	Application: An ES assists government employees interpret/apply Federal Travel Regulations
KAPPA-PC - Vendor Forum	Faber, S. et al	4.6	Nov/Dec '90	30	Products: The ES from Intellicorp
Intelligent 4GL's - Smarter Applications & Programming Tools	Darling, C.	4.6	Nov/Dec '90	22	Products: The integration of 4GL's with ES promises exciting benefits
Expert System Shells at Work - KES	Schmuller, J. et al	4.6	Nov/Dec '90	38	How-to: 5th in series, Software A&E's KES is used to build an ES shell to pluralize nouns.
Ask the Expert - Rule Priorities	Shafer, D.	4.6	Nov/Dec '90	20	Tips: Are rule priorities useful or unnecessary crutches in ES
AI International - Brazil Ventures Into AI	Gregory, M.	4.6	Nov/Dec '90	34	News: 2 entrepreneurs introduce practical AI techniques in Brazil
Ask The Expert - Expert System Interfaces	Shafer, D.	4.5	Sep/Oct '90	18	Tips: Three tools to develop better user interfaces for ES
The Second Coming of DOS - AI Apps for Windows 3.0	Rasmus, D.	4.5	Sep/Oct '90	44	Products: Windows 3.0 gives AI applications a new platform
Bookshelf - OOP for AI	Barker, D.	4.5	Sep/Oct '90	63	Review: "Object-Oriented Programming for AI"
Train.Pas - An Example of OOP	Shoemaker, S.	4.5	Sep/Oct '90	28	How-to: Trains, tracks, semaphores work together as objects in an OOP
OOP by the Pictures - ObjectVision	Shafer, D.	4.5	Sep/Oct '90	22	How-to: ObjectVision
Interview - Andrew Koenig Of AT&T On C++	Hengl, T.	4.5	Sep/Oct '90	32	Interview with Andrew Koenig of C++ Software Systems Department
They Think, Therefore ETANN - A Trainable Hardware N.N.	Hintze, F.	4.5	Sep/Oct '90	62	Product: Intel's electrically trainable analog NN
KnowledgeNet - E.S./N.N. Symbiosis	HNC	4.5	Sep/Oct '90	40	Product: KnowledgeNet from HNC Inc
Manufacturing Mind - Applying Yourself	Rasmus, D.	4.5	Sep/Oct '90	26	Applications: AI iat Tandem, Owens-Corning, Western Digital

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A Mixed-language E.S. - Prolog And C Work Together	Roach, D. et al	4.5	Sep/Oct '90	46	How-to: Giving an ES the flexibility/speed of C and the logic of Prolog
Abduction - A Numeric Knowledge Acquisition Approach	Drake, K. et al	4.5	Sep/Oct '90	58	Theory: Efficient approach to numeric KA which complements traditional symbolic methods
Expert System Shells at Work - 1st-CLASS	Schmuller, J. et al	4.5	Sep/Oct '90	49	How-to: 4th in a series, AICORP 1st-Class is used to build an ES shell to pluralize nouns
Ask The Expert - Expert System Interfaces	Shafer, D.	4.5	Sep/Oct '90	18	Tips: Three tools to develop better user interfaces for ES
A Mixed-language E.S. - Prolog And C Work Together	Roach, D. et al	4.5	Sep/Oct '90	46	How-to: Giving an ES the flexibility/speed of C and the logic of Prolog
AI in Space	Benningfield, D.	4.5	Sep/Oct '90	54	Applications: AI applications in the space program
Ask the Expert - Multimedia And E.S.	Shafer, D.	4.4	Jul/Aug '90	20	Tips: Making multimedia (e.g. CD-ROMs) play with ES
Manufacturing Mind - Portable Knowledge Engineer	Rasmus, D.	4.4	Jul/Aug '90	24	Tips: portable KE - Taking ES development to the shop floor
Making EIS Intelligent	Shafer, D.	4.4	Jul/Aug '90	30	Tips: Executive Information Systems - How they relate to AI
Interview - John Slade, CEO of Knowledge Garden	Hengl, T.	4.4	Jul/Aug '90	51	John Slade discusses the link between a new technology and its practical application
Bookshelf - Computers and Cognition	Barker, D.	4.4	Jul/Aug '90	71	Review "Understanding Computers and Cognition - A New Foundation for Design"
AI or IA - Guest Editorial	Shafer, D.	4.4	Jul/Aug '90	9	Tips: What characterizes IA and how AI fits into this definition
Workstations - The Emerging Alternative for AI	Sherwood, A.	4.4	Jul/Aug '90	28	Theory: A look at personal workstations vs PCs
Knowledge Distribution Systems	Barr, A.	4.4	Jul/Aug '90	26	Application: The evolution of ES as management and AI get together
Ask the Expert - Multimedia And E.S.	Shafer, D.	4.4	Jul/Aug '90	20	Tips: Making multimedia (e.g. CD-ROMs) play with ES
Schools, Ships, and Revenues	Kleist, R.	4.4	Jul/Aug '90	18	Application: The Knowledge Engineering System (KES) from SA&E
Manufacturing Mind - Portable Knowledge Engineer	Rasmus, D.	4.4	Jul/Aug '90	24	Tips: portable KE - Taking ES development to the shop floor
E.S. Follow-Up - Getting The E.S. Used	Bryant, J.	4.4	Jul/Aug '90	36	Tips: Dos and Don'ts for making ES practical
2nd Annual AI Product Summary & Guide	Staff	4.4	Jul/Aug '90	57	The 2nd annual comprehensive list of AI and IA products for PCs
A CASE In Point	Williamson, M.	4.3	May/Jun '90	60	Products: A look at CASE and companies combining it with ES
Bookshelf - Large K.B. Systems	Hintze, F.	4.3	May/Jun '90	57	Review: "Building Large KB Systems: Representation and Inference in the CYC Project"
Vendor's Forum - California Scientific Software	Lawrence, M.	4.3	May/Jun '90	34	Product: California Scientific Software explains their NN product BrainMaker
Pattern Classification - N.N. Competes with Humans	Engel, C. et al	4.3	May/Jun '90	20	How-to: A NN is built using NeuralWare's NeuralWorks
Interview - Casey Klimasauskas, Founder of NeuralWare	Hengl, T.	4.3	May/Jun '90	38	NeuralWare founders Casey and Jane Klimasauskas discuss their company and the industry
Government Backing N.N. Worldwide	Johnson, C.	4.3	May/Jun '90	44	Side Bar: Government backed NN development efforts
Analyzing Financial Health - Integrating N.N. and E.S.	Barker, D.	4.3	May/Jun '90	24	How-to: Combining NN and ES to analyze the financial health of a small business
Prograph - Product Review	Rankin, R. et al	4.3	May/Jun '90	49	Review: TGS Systems Limited's "Prograph" an object-flow language
Meaningful N.N. Hardware - Semantic Dimension to AI	Johnson, C.	4.3	May/Jun '90	42	Products: NN companies and their products
Expert Systems In International Banks	Thompson, D. et al	4.3	May/Jun '90	30	Side Bar: International banks using ES
E.S. in Banking - A Strategy for Success	Thompson, D. et al	4.3	May/Jun '90	28	Application: How ES technology can help banks position themselves for change
A Window on New Mac AI Developments	Rasmus, D.	4.3	May/Jun '90	45	Products: New products and upgrades for the Mac
Expert System Shells at Work - VP-Expert	Schmuller, J. et al	4.3	May/Jun '90	52	How-to: 3rd in a series, PaperBack's VP-Expert builds an ES shell to pluralize nouns
Ask the Expert - Appropriate E.S. Problems	Shafer, D.	4.3	May/Jun '90	18	Tips: Is the problem for an ES appropriate and manageable
Analyzing Financial Health - Integrating N.N. and E.S.	Barker, D.	4.3	May/Jun '90	24	How-to: Combining NN and ES to analyze the financial health of a small business

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Bookshelf - N.L.P.	Dickey, M.	4.2	Mar/Apr '90	31	Review: "Natural Language Processing Technologies In AI: The Science and Industry Perspective"
NeuroShell - Product Review	Barker, D. et al	4.2	Mar/Apr '90	48	Review: NeuroShell by Ward Systems Group
Manufacturing Mind - Diagnosing Your Manufacturing Ills	Rasmus, D.	4.2	Mar/Apr '90	34	How-to: Using Neuron Data's Nexpert Object, how to build an ES
Derive - A Mathematical Assistant - Product Review	Ecker, M.	4.2	Mar/Apr '90	41	Review: Soft Warehouse's Derive
Sample Public & Private Sector Financial E.S.	Thompson, D. et al	4.2	Mar/Apr '90	20	Side Bar: Public/Private Sector Financial ES
Financial E.S. - Fact and Fiction	Thompson, D. et al	4.2	Mar/Apr '90	20	Application: The facts and fiction of financial ES
NNERVV Center - BASIC, Bumblebees, and E.S.	Williamson, M.	4.2	Mar/Apr '90	16	How-to: Developing and using an E. doesn't require Lisp, Prolog, an ES shell
E.S. Shells at Work - LEVEL5	Schmuller, J. et al	4.2	Mar/Apr '90	38	How-to: 2nd in a series, Information Builder's Level5 is used to build an ES shell
Ask the Expert - Overexpectation	Shafer, D.	4.2	Mar/Apr '90	14	Tips: Overexpectations from management on an ES project
Multi-Level ASM - Phonemic Analysis	Roach, D. et al	4.2	Mar/Apr '90	17	How-to: 4th in the series on ASM - phonetic analysis
Interview - Harvey Newquist III CEO, Relayer Group	Hengl, T.	4.2	Mar/Apr '90	22	Interview with Harvey Newquist CEO, Relayer Group and editor of AI Trends
Ask The Expert - User Interfaces	Shafer, D.	4.1	Jan/Feb '90		Tips: A tool for creating an ES user interface for DOS
Bookshelf - Logic And Programming Logic	Staff	4.1	Jan/Feb '90	17	Review: "From Standard Logic to Programming Logic" from John Wiley
Neural Microchips Debut	Johnson, C.	4.1	Jan/Feb '90	38	News: Major semiconductor manufacturers announce NN on a chip
Taxes in Prolog	Merritt, D.	4.1	Jan/Feb '90	45	How-to: Provides insight into writing an income tax program in Prolog
CLisp - The Best of Both Worlds - Vendors Forum	Drasch, F.	4.1	Jan/Feb '90	28	Review: The library of functions that provides C with LISP functionality
Interview - Patrick Perez, CEO of Neuron Data Part 2	Hengl, T.	4.1	Jan/Feb '90	42	The interview with Mr. Perez concludes with portability, interoperability, technological glue
Writing Good Hypertext - Issues for Hypertext Authors	Johnson, C.	4.1	Jan/Feb '90	20	Tips: Issues hypertext authors should consider
Neural Microchips Debut	Johnson, C.	4.1	Jan/Feb '90	38	News: Major semiconductor manufacturers announce NN on a chip
Three Case Histories - OPS83	Czajkowski, A.	4.1	Jan/Feb '90	30	Application: Three applications of OPS83
The Synthetic Expert - How to Build a No-Expert E.S.	Oxman, S. et al	4.1	Jan/Feb '90	50	How-to: Building an ES in a domain where there are no experts
Personnel Policy Expert - An Application of 1st-CLASS	Troy, M.	4.1	Jan/Feb '90	52	Application: KnowledgePoint's 1st-CLASS is used to generate a Personnel Policy Expert
Rules to Objects: Mahogany	Shafer, D. et al	4.1	Jan/Feb '90	55	Review: Mahogany, an object-based ES tool
E.S. Shells at Work - Knowledge Pro	Schmuller, J. et al	4.1	Jan/Feb '90	34	How-to: 1st in a series, KnowledgePro is used to build an ES shell to pluralize nouns
Ask The Expert - User Interfaces	Shafer, D.	4.1	Jan/Feb '90		Tips: A tool for creating an ES user interface for DOS
The Logic of Spelling - Applications of ASM	Berghel, H. et al	4.1	Jan/Feb '90	24	How-to: 3th in the series on ASM - spelling errors
Job Injury Compensation Advisor	Markowitz, J.	3.6	Nov/Dec '89	28	Application: A practical application of AI using speech and ES
NNERVV Center - Clues to the Creative Process	Williamson, M.	3.6	Nov/Dec '89	30	Review: 2 books: "Scientific Discovery" and "The Society of Mind"
Bookshelf - Intelligent Databases	Evans, J.	3.6	Nov/Dec '89	62	Review: 2 books on intelligent databases & designing intelligent front ends
Turbo Pascal 5.5	Shoemaker, S.	3.6	Nov/Dec '89	32	Review: Borland's "Turbo Pascal 5.5"
Ask the Expert - E.S. & N.N.	Shafer, D.	3.6	Nov/Dec '89	40	Tips: Comparing ES and NN for applications
Virtual Reality II - Virtual Environments	Jenkins, J.	3.6	Nov/Dec '89	43	News: Environments on PCs that are real enough to interact with
Virtual Reality I - Virtual Life	Weintraub, J.	3.6	Nov/Dec '89	42	News: Objects on a PC that seem to have a life of their own
Manufacturing Mind - Where AI Meets the Shop Floor	Rasmus, D.	3.6	Nov/Dec '89	24	How-to: A guideline to develop ES

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Title	Author	Vol Issue	Month Year	Pg	Summary
JAKE a Natural Language Breakthrough - Vendor Forum	Conklin, J. et al	3.6	Nov/Dec '89	52	Review: C routines for adding natural language interfaces to apps
Interview - Patrick Perez, CEO of Neuron Data Part 1	Hengl, T.	3.6	Nov/Dec '89	34	Patrick Perez on Neuron Data and the future of AI
What is an E.S.? - In Search of a Definition	Lane, A.	3.6	Nov/Dec '89	20	Tips: A definition of ES, what they do, why they are important
Manufacturing Mind - Where AI Meets the Shop Floor	Rasmus, D.	3.6	Nov/Dec '89	24	How-to: A guideline to developing ES
Ask the Expert - E.S. & N.N.	Shafer, D.	3.6	Nov/Dec '89	40	Tips: Comparing ES and NN for applications
SAM: Statistical Analysis Mentor	Athey, S.	3.6	Nov/Dec '89	56	Applications: An ES determines which statistics to use
The Mechanical Cruciverbalist - New Directions in ASM	Berghel, H. et al	3.6	Nov/Dec '89	45	How-to: 2nd in the series on ASM - solving crossword puzzles
NNERVV Center - Voice	Williamson, M.	3.5	Sep/Oct '89	23	Product: Voice recognition system DragonDictate
Ask The Expert - Forms as Entry Techniques for ES	Shafer, D.	3.5	Sep/Oct '89	55	Tips: Use of intelligent forms as entry techniques for ES
If/then: Hands-On Introduction to AI	Hintze, F.	3.5	Sep/Oct '89	50	Review: If/then works with Lotus 1-2-3 to learn about ES
Thinking Tools Update: Part II	Anacker, P.	3.5	Sep/Oct '89	59	Tips: Software for creativity enhancement & enhancing human thinking
Bookshelf - Why Prolog?	Hiebert, L.	3.5	Sep/Oct '89	64	Review: "Why Prolog? Justifying Logic Programming for Practical Applications" by Lazarev
Bookshelf - Manufacturing Intelligence	Evans, J.	3.5	Sep/Oct '89	65	Review: "Manufacturing Intelligence" by Kenneth Wright and David Alan Bourne
OOP in the Real World - A "White Paper" from Borland	Borland	3.5	Sep/Oct '89	37	Theory: Borlands defines its OOP philosophy
Interview - Jim Anderson, President of Digitalk	Hengl, T.	3.5	Sep/Oct '89	43	Jim Anderson talks about Digitalk, Smalltalk, OOPS
Implementing OOP - A Look at Common LISP Object System	Gabriel, R.	3.5	Sep/Oct '89	40	Theory: OOP vs. Common LISP Object Systems (CLOS)
TRILOGY - A Logic Programming Language	Reeves, R.	3.5	Sep/Oct '89	34	Review: Complete Logic Systems' new logic programming language
Road to Palo Alto - Auto-hagiography of Charles A. Rovira	Rovira, C.	3.5	Sep/Oct '89	39	A lighthearted look at Smalltalk and OOP
The Languages of AI - Communicate Info to a Computer	Miller, B.	3.5	Sep/Oct '89	20	Tutorial: Special AI languages and their characteristics
NanoLISP - Product Review	Barry, R.	3.5	Sep/Oct '89	22	Review: A bare bone LISP interpreter from Microcomputer Systems Consultants
Lucid - A Dataflow Programming Language	Lane, A.	3.5	Sep/Oct '89	28	Review: A dataflow programming language with functions that define data streams
Knowledge Pro - Product Review	Rasmus, D.	3.5	Sep/Oct '89	47	Review: KnowledgePro, Knowledge Garden Inc.'s applications development environment
The 7 Veils of AI: The 7th Veil	Walker, L. et al	3.5	Sep/Oct '89	18	Tips: Integrating AI and people
Ask The Expert - Forms as Entry Techniques for ES	Shafer, D.	3.5	Sep/Oct '89	55	Tips: Intelligent forms as entry techniques for ES
The Frame Problem - How Do We Know What Not To Change	Eckert, E.	3.5	Sep/Oct '89	52	Theory: The frame problem is defined and a solution proposed
Int Problem Solving with Strings - New Directions in A.S.M.	Roach, D. et al	3.5	Sep/Oct '89	24	How-to: 1st in the series on ASM - defining and describing an approach for implementing ASM
Interview - Neil Larson, Founder MaxThink Part 2	Hengl, T.	3.4	Jul/Aug '89	50	MaxThink's originator, on decision-support and hypertext tools
Bookshelf - Machine Learning: An AI Approach, Vol I and II	Staff	3.4	Jul/Aug '89	60	Review: Machine learning literature
N.N. Versus E.S. - Is There Room For Both?	Sherald, M.	3.4	Jul/Aug '89	10	Application: NN challenging ES in the commercial & academic world
AI and Medicine - Smart system speaks to sightless users	Okun, R.	3.4	Jul/Aug '89	49	Application: An ES for sightless users
Poems from St. Silicon's Garden of Verse	Armstrong, J.	3.4	Jul/Aug '89	74	Humorous Poems
Manufacturing Mind - Starting Small	Rasmus, D.	3.4	Jul/Aug '89	38	Tips: PC ES can be developed inexpensively and without much political resistance
Building a Learning E.S. in dBase & Framework	Rozier, L. et al	3.4	Jul/Aug '89	38	How-to: Pattern-matching algorithms are used in an adaptive enterprise modeling system
Prolog Programming Pitfalls III - The Cut	Roach, D. et al	3.4	Jul/Aug '89	24	Tips: 3rd in a series on Prolog pitfalls covering "cut"

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Title	Author	Vol Issue	Month Year	Pg	Summary
Socrates: A K.B. Management System - Product Review	Lane, A.	3.4	Jul/Aug '89	34	Review: CIM Solutions' Socrates, a menu-driven decision-tree development tool
Machine Learning: The Next Frontier	Parsaye, K.	3.4	Jul/Aug '89	26	Tutorial: Evolutionary history of machine learning & intelligent databases
The 7 Veils of AI: The 6th Veil	Walker, L. et al	3.4	Jul/Aug '89	54	Tips: Structural changes in society from AI
N.N. Versus E.S. - Is There Room For Both?	Sherald, M.	3.4	Jul/Aug '89	10	Application: NN challenging ES in the commercial & academic world
AI and Medicine - EKG Signal Processing	Okun, R.	3.4	Jul/Aug '89	49	Application: A NN for processing EKG signals
GoldWorks II - Product Review	Tello, E.	3.4	Jul/Aug '89	55	Review: Gold Hill's advanced ES development tool
A Truly Intelligent CASE Tool	Barker, D.	3.4	Jul/Aug '89	69	How-to: Logic Gem is reviewed, used to develop an ES
Ask The Expert	Shafer, D.	3.4	Jul/Aug '89	22	Tips: Questions on ES are answered
1st Annual AI Product Summary & Guide	Staff	3.4	Jul/Aug '89	62	The 1st annual comprehensive list of AI products for PCs
Thinking Tools Update: Part I	Anacker, P.	3.3	May/Jun '89	34	Products: Hypertext, hyperlinking, hyperlinking help, shareware hypertext
Bookshelf - Autonomous Systems	Lane, A.	3.3	May/Jun '89	75	Review: "Mathematical Methods for AI and Autonomous Systems"
Prolog Programming Pitfalls II - Non-uniform Implementation	Roach, D. et al	3.3	May/Jun '89	50	Tips: 2nd in a series on Prolog pitfalls
A Hierarchy Chart Generator - Prolog At Work	Hiebert, L.	3.3	May/Jun '89	60	How-to: Diagrams can speed the development/maintenance process for a system & improve quality
Tips for K.A. - Things They May Not Have Taught You	Surko, P.	3.3	May/Jun '89	14	How-to: The process of KA, including preparation, organization, verification
Interview - Neil Larson, Founder MaxThink Part 1	Hengl, T.	3.3	May/Jun '89	42	MaxThink Originator discusses putting data/knowledge into a hypertext system
Creativity Software - Thinking Tools for the Macintosh	Rasmus, D.	3.3	May/Jun '89	28	Products: Outliners, hypertext applications, groupware, graphical idea facilitators
Japan's AI Computer	Johnson, C.	3.3	May/Jun '89	54	News: Japan's 10 yr vision of a 5th generation computer system
The NNERVV Center - The Beginnings of an Expert System	Williamson, M.	3.3	May/Jun '89	59	Tips: The discussion of a possible ES
Developing Environmental Clean-up Guidelines	Kendra B.	3.3	May/Jun '89	57	Application: The Aid to Evaluating the Redevelopment of Industrial Sites
NEXTRA: A Tool to Help Clarify Thinking - Product Review	Shafer, D.	3.3	May/Jun '89	46	Review: Neuron Data's NEXTRA
Intelligence/Compiler	Mercadal, D.	3.3	May/Jun '89	66	Review: Intelligence/Compiler, a hybrid ES from IntelligenceWare
1st-CLASS Fusion - Product Review	Lane, A.	3.3	May/Jun '89	10	Review: 1st-CLASS Fusion finds rules from a set of examples
The 7 Veils of AI: The 5th Veil	Walker, L. et al	3.3	May/Jun '89	20	Tips: How to avoid the limitations of ES - the KB empire
Ask The Expert - Certainty Factors Certainly Confusing	Shafer, D.	3.3	May/Jun '89	70	Tips: Certainty factors are explained
The NNERVV Center - Voice Technology	Williamson, M.	3.2	Mar/Apr '89	31	News: Current state of voice technology and its application
Bookshelf - AI Debate	Staff	3.2	Mar/Apr '89	54	Review: 14 books on the debate over AI
AI Journals, Mags, & Newsletters	Brown, C.	3.2	Mar/Apr '89	16	Product: Publications and literature
The Practical Side of N.N. - Part 2	Bailey, D. et al	3.2	Mar/Apr '89	56	Applications: Forecasting/modeling, signal processing, vision, process control
NeuroShell: A N.N. Simulator for the PC - Product Review	Miller, B.	3.2	Mar/Apr '89	70	Review: Ward System's simulator
Artificial Intelligence in Medicine	Okun, R.	3.2	Mar/Apr '89	75	Applications: Handwriting analysis/interpretation & communication systems for paralyzed patients
The neVr	Armstrong, J.	3.2	Mar/Apr '89	59	Church of Heuristic Information Processing Guess Release
Manufacturing Mind - Preparing for Knowledge	Rasmus, D.	3.2	Mar/Apr '89	48	How-to: Developing the political environment for manufacturing ES
Interview - Steve Benson, DEC	Hengl, T.	3.2	Mar/Apr '89	34	AI at Digital Equipment Corporation

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AI in Manufacturing - Manufacturing with Intelligence	Barker, D. et al	3.2	Mar/Apr '89	28	News: American industrialists "work smarter" with intelligent software
Prolog Programming Pitfalls I - Prolog and Logic	Roach, D. et al	3.2	Mar/Apr '89	46	How-to: 1st in a series discussing common misunderstanding and confusion with Prolog
User-developed E.S. - E.S. for the Rest of Us	Williamson, M.	3.2	Mar/Apr '89	11	Application: Paperback's VP-Expert is used to develop a hardware diagnosis system
Expert Systems Provide Payback - Three Case Studies	Linesch, M.	3.2	Mar/Apr '89	42	Application: Case studies include steel manufacturing, welding, optical coating
Nexpert Object - Part II	Rasmus, D.	3.2	Mar/Apr '89	38	Review: Neuron Data 's Nexpert Object
The 7 Veils of AI: The 4th Veil	Walker, L. et al	3.2	Mar/Apr '89	26	Applications: Spectrum of useful applications
Ask the Expert - Resolving Human Conflicts	Shafer, D.	3.2	Mar/Apr '89	44	Tips: Resolving conflicts among human experts
Barriers to AI Innovation - A Bottom-up Perspective	Buswick, T.	3.2	Mar/Apr '89	32	How-to: Guide to being your company's AI champion
Who's Porting what to the microExplorer	Miller, B.	3.1	Jan/Feb '89	38	Products: mircoExplorer products
Bookshelf - Parallel Distributed Processing	Knox, M.	3.1	Jan/Feb '89	69	Review: Parallel Distributed Processing (2 Vol); A Handbook of Models, Programs, Exercises
OOP in C	Lane, A.	3.1	Jan/Feb '89	11	Review: The Zortech C++ compiler
Easy For You To Say	Williamson, M.	3.1	Jan/Feb '89	63	Tips: Some problems with NLP
Episode 129	Parsons, J.	3.1	Jan/Feb '89	54	Zeus continues to create a modern tower of Babel - Prolog
Ask The Expert - Of Conflicts of Interest	Shafer, D.	3.1	Jan/Feb '89	11	Editorial: Possible conflicts of interest
Speaking of the Macintosh - Exploration of AI Dev Languages	Rasmus, D.	3.1	Jan/Feb '89	34	Products: AI Development Languages
The Knowledge Navigator	Sculley, J.	3.1	Jan/Feb '89	31	Apple's president looks at the future
Raising the IQ of dBase	Barker, D.	3.1	Jan/Feb '89	64	Application: "LEVEL5", an ES shell, with dBase teaches an old dog new tricks
Interview - Harald Striepe, Apple	Hengl, T.	3.1	Jan/Feb '89	42	Interviews with Harald Striepe, Peter Van Cuylenburg, Harvey Newquist III, Gerald Barber
Macintosh? Isn't That an Apple?	Miller, B.	3.1	Jan/Feb '89	28	Tutorial: A user's look at the Mac
Using Hypertext to Enhances a Legal E.S.	Botten, N. et al	3.1	Jan/Feb '89	46	Application: A civil rights advisory ES to assist in processing discrimination cases
The 7 Veils of AI: The 3rd Veil	Walker, L. et al	3.1	Jan/Feb '89	27	Tips: How can you obtain AI? The technology is available in a box
AI in Medicine	Fein, M.	3.1	Jan/Feb '89	33	Application: List and discription of medical ES for the Mac
Nexpert Object - Part I	Rasmus, D.	3.1	Jan/Feb '89	49	Review: Nexpert Object from Neuron Data
Procedure Consultant - An Applications Tool	Barry, R.	3.1	Jan/Feb '89	18	Review: Procedure Consultant, for nonprogrammers to develop decision support programs
Thinking Tools: Part IV	Anacker, P.	2.4	Nov/Dec '88	50	Products: Hyperlinking, decision support, creativity enhancement, simulation
Bookshelf - Neural Nets	Staff	2.4	Nov/Dec '88	32	Review: 5 NN books
The Cognitron Simulator	Meinikoff, S.	2.4	Nov/Dec '88	58	Review: Building a NN on the Mac with the Cognitron simulator
Practical Side of N.N. - Part 1	Bailey, D. et al	2.4	Nov/Dec '88	33	Applications: Impressive examples of the technology
Neural Networks: Short Course	Klimasauskas, C.	2.4	Nov/Dec '88	26	From theory to application
N.N. on a Pesonal Computer	Schwartz, D. et al	2.4	Nov/Dec '88	37	Products: PC products
Learning in N.N.	Bayle, A.	2.4	Nov/Dec '88	40	Tutorial: Common paradigms and learning mechanisms in NN
Interview - Tom Schwartz	Hengl, T.	2.4	Nov/Dec '88	45	A NN consultant comments on the industry
Getting Started with N.N.	Gerald, P.	2.4	Nov/Dec '88	55	Review: Neuralware's Explorer and NeuralWorks Professional II
DARPA's N.N. Program	Johnson, C.	2.4	Nov/Dec '88	49	News: \$390,000,000 over 8 years, a look at the proposed budget

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excellent(Arity_Prolog_5.0), true	Berghel, Hal et al	2.4	Nov/Dec '88	61	Review: Arity Corporation's Arity Prolog v5.0
FRAS An E.S. For Risk	Coursey, D.	2.4	Nov/Dec '88	12	Application: ES trains engineers in fire safety, risk considerations
Artificial Intelligence in Medicine	Fein, M.	2.4	Nov/Dec '88	74	Application: ES in the medical field
The 7 Veils of AI: The 2nd Veil	Walker, L. et al	2.4	Nov/Dec '88	25	AI is a technology, not a product
Thinking Tools: Part III	Anacker, P.	2.3	Sep/Oct '88	16	Products: Creativity enhancement tools
Bookshelf - Expert Systems	Gerald, P.	2.3	Sep/Oct '88	23	Review: 12 books on ES
Saint Silicon presents Computerjocky	Armstrong, J.	2.3	Sep/Oct '88	71	Spoof of "T'was the Night Before Christmas"
Turbo Prolog 2.0	Lane, A.	2.3	Sep/Oct '88	61	Review: Borland's Turbo Prolog 2.0
Rule-based vs. Procedural Programming	Merritt, D.	2.3	Sep/Oct '88	51	Tutorial: Rule-based programming vs. procedural programming
The Umbrella Insurance Analyzer	Burg, J.	2.3	Sep/Oct '88	12	Application: Using KnowledgePro to create an intelligent manual
Interview - Carl Wolf, CEO Gold Hill	Hengl, T.	2.3	Sep/Oct '88	44	Discusses the company and AI's future
Expert Systems: An Introduction	Miller, B.	2.3	Sep/Oct '88	26	Tutorial: Questions and answers about ES
The 7 Veils of E.S: The 1st Veil	Walker, L. et al	2.3	Sep/Oct '88	29	Tips: Revealing the mysteries of ES
Playing the Shell Game Mac Style	Rasmus, D.	2.3	Sep/Oct '88	36	Products: ES shells for the Mac
PC Tools	Brynjolfsson, E. et al	2.3	Sep/Oct '88	31	Products: ES building tools for the PC
VP-Expert 2.0	Shafer, D.	2.3	Sep/Oct '88	54	Review: Hot graphics, pop-up menus, demons on a PC
Speech Thing And Voice Master	Roland, W.	2.2	July/Aug '88	60	Review: COVOX Inc.'s Speech Thing and Voice Master
Thinking on Purpose	Herbert, B.	2.2	July/Aug '88	65	Tutorial: Books for improving the thinking process/techniques
Saint Silicon - If/Then	Armstrong, J.	2.2	July/Aug '88	69	Humorous poem
Ultimately Flexible Knowledge Representation Scheme	Shafer, D.	2.2	July/Aug '88	37	Review: KnowledgePro as a knowledge representation scheme
Solving Rubik's Cube	Merritt, D.	2.2	July/Aug '88	40	Tutorial: Prolog program solves Rubik's Cube
SD-Prolog	Grogan, J.	2.2	July/Aug '88	71	Review: System Designers' SD-Prolog
Similarity Networks	Bailey, D. et al	2.2	July/Aug '88	29	Theory: A Knowledge Representation for information analysis, retrieval
Bookshelf - Knowledge Engineering	Miller, B.	2.2	July/Aug '88	62	Review: AI Programming with Turbo Prolog, Crafting Knowledge-Based Systems
An Overview of Knowledge Representation	Miller, B.	2.2	July/Aug '88	27	Tutorial: Semantic nets, frames, and symbolic logic.
Interview - Larry Giesel	Newquist, H.	2.2	July/Aug '88	50	Larry Giesel - ITG, Paul Haley - CTO, and Chris Locke, VP
Thinking Tools: Part 2	Shafer, D.	2.2	July/Aug '88	21	Product: Decision Support Tools
Ask The Expert - Hypercard	Shafer, D.	2.2	July/Aug '88	18	Product: Application of Apple's Hypercard
Watchdog Investment Monitoring System	Gerkey, P. et al	2.2	July/Aug '88	14	Application: Investment and stock market analysis
Knowledge Representation	Lenat, D.	2.2	July/Aug '88	33	Tutorial: How to represent the bushing in a drill
AI Training: Myths and Realities	Buswick, T.	2.1	Spring '88	36	Tutorial: Trends in the AI training field
AI and the Macintosh	Shafer, D.	2.1	Spring '88	28	Products: What's hot in the AI and Mac world
Thinking Tools	Anacker, P.	2.1	Spring '88	41	Products: Software technology, such as hypertext, that enhances the thinking process
The Bookshelf	Miller, B.	2.1	Spring '88	61	Review: "Parallel Logic Programming in PARLOG" and "Understanding ES"

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NeuralWorks Professional	Aguiar, S.	2.1	Spring '88	56	Review: NeuralWare Inc.'s NeuralWorks Professional
TI's PC Scheme	Barry, R.	2.1	Spring '88	54	Review: TIs' version of LISP - PC Scheme Version 2.0.
Rule-Based Programming with Prolog	Merritt, D.	2.1	Spring '88	64	Tutorial - Prolog's rule-based programming features for database apps
Power PCs	Dunn, J. et al	2.1	Spring '88	20	Product: New generation hardware & software for AI development
Nuclear Power Plant E.S.	Dellacroce, C.	2.1	Spring '88	16	Application: ES (REALM) for nuclear power plant safety
GoldWorks	Flamig, B.	2.1	Spring '88	50	Review: Gold Hill Computers' Goldworks
Ask the Expert	Shafer, D.	2.1	Spring '88	18	Tips: Developing an ES for different platforms
Interview - Avron Barr	Staff	2.1	Spring '88	46	Avron talks about ES technology and his Aldo Ventures
In Searching of a Solution	Wolfgram, D.	1.4	Winter '87	64	Tutorial: Techniques to develop better AI software
AI Video Training	Dunn, J.	1.4	Winter '87	48	Review: 3 courses from Addison-Wesley
Public Domain AI	Alford, D.	1.4	Winter '87	58	Products: Free software
The Bookshelf	Gerald, P.	1.4	Winter '87	61	Review: Articles and books on OOP
The OOP Universe	Shafer, D.	1.4	Winter '87	28	Tutorial: Current state of OOP
Simulation With OOP	Peterson, W.	1.4	Winter '87	33	Tutorial: Solving a simulation problem with OOP
OOP With C++	Flamig, B.	1.4	Winter '87	18	Tutorial: Using C++ to implement the popular A-Star algorithm
Interview - Dr. Adele Goldberg	Hengl, T.	1.4	Winter '87	38	Discussions on OOP and AI
Actor and Smalltalk/V	Stant, V.	1.4	Winter '87	54	Review: 2 OO languages, Actor and Smalltalk/V
Maintenance Assistant	Dellacroce, C.	1.4	Winter '87	12	Application: Ford Motor Co.'s ES for equipment maintenance
Hidden AI	Anacker, P.	1.4	Winter '87	40	Products: AI techniques integrated into traditional software
Ask the Expert - Smalltalk And E.S.	Shafer, D.	1.4	Winter '87	16	Tips: Can Smalltalk be used to develop an ES
The Bookshelf - Prolog	Staff	1.3	Fall '87	59	Review: "PROLOG Programming for AI" and "The Hitch-Hikers Guide to AI"
Natural Language Programming	Heiny, L.	1.3	Fall '87	20	Tutorial: Develop natural language interfaces with Turbo Prolog and Turbo C
QuickC Meets Turbo C	Flamig, B.	1.3	Fall '87	42	Review: Microsoft's QuickC and Borland's Turbo C
Pattern Matching with LISP	Brittain, S.	1.3	Fall '87	34	Tutorial: Techniques involved in developing a useful pattern matcher with LISP
AAIS Prolog	Shammas, N.	1.3	Fall '87	55	Review: Advanced AI Systems Inc.'s AAIS Prolog, vM-1.15
Namir's Corner	Shammas, N.	1.3	Fall '87	62	Tutorial: Virtual intelligence and structured languages
Intelligent Interfaces	Anacker, P.	1.3	Fall '87	49	Products: Intelligent user interface products
Distributed Intelligence	Dambrot, S.	1.3	Fall '87	30	Tutorial: Trends in the microcomputer industry bring AI to the desktop
Ask The Expert	Shafer, D.	1.3	Fall '87	18	Tutorial: Induction systems and blackboard architecture
The Wheelchair Robot	Pronk, R.	1.3	Fall '87	12	Application: Development of a working self-guided, mobile robot
Four Computer Based AI Tutorials	Cook, R.	1.2	Summer '87	40	Products: 4 AI tutorials
Bridgware Review	Dunn, J. et al	1.2	Summer '87	58	Review: Bridgware converts ASCII files into data files for Prolog
The Bookshelf	Gerald, P.	1.2	Summer '87	63	Review: 8 books on AI, ES, fifth generation computers
Confessions of An X Expert	Armstrong, J.	1.2	Summer '87	68	Is there a rule for forming rules that doesn't assume a rule?
Roof Expert	Adeli, H. et al	1.2	Summer '87	30	Application: A design ES written in INSIGHT 2+ and Turbo Pascal

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Line Expert	Dellacroce, C.	1.2	Summer '87	12	Application: ES for configuring telecommunication links
Expert Systems in Prolog	Barry, R.	1.2	Summer '87	22	Tutorial: ES written in Prolog, with rule compiler, inference engine, KB
Debugging with ESP	Drasch, F.	1.2	Summer '87	61	Tutorial: Source level debugging in C with an ES
Business Experts	Chung, M. et al	1.2	Summer '87	16	Tutorial: What is an ES, what type of project
Ask The Expert	Shafer, D.	1.2	Summer '87	14	Tips: Guidelines for developing an ES
Inside VP-Expert	Aguiar, S.	1.2	Summer '87	44	Review: Paperback Software's latest product
Expert Interface Builder	Shafer, D.	1.2	Summer '87	35	Tutorial: Innovative approaches to building user interfaces
Interview - Hubert Dreyfus	Staff	1.2	Summer '87	54	A philosopher discusses NN and AI
The Bookshelf	Staff	1.1	Spring '87	61	Review: "Understanding ES" and "AI for Microcomputers: Guide for Business Decision ..."
HI?	Armstrong, J.	1.1	Spring '87	68	Humorous story about a computer science-based religion
Surveying AI Languages	Fields, S.	1.1	Spring '87	28	Tutorial: AI languages for PCs
Prolog for Pascal Programmers	Weiskamp, K.	1.1	Spring '87	18	Tutorial: Switch from procedural to declarative programming
mu LISP	Aguiar, S.	1.1	Spring '87	57	Review: Soft Warehouse Inc.'s muLISP-86 v5.20
MacScheme	Lanam, D.	1.1	Spring '87	55	Review: Semantic Microsystems Inc.'s MacScheme v1.2
AI For Under \$100	Staff	1.1	Spring '87	39	Products: 13 AI languages for PCs
SpinPro	Beckham, M. et al	1.1	Spring '87	13	Application: ES for controlling a centrifuge
Is the Mac Ready for AI?	Shafer, D.	1.1	Spring '87	44	Products: New contender for the AI workstation crowd
Interview - Harvey Newquist III	Staff	1.1	Spring '87	50	Newquist on the growth and future of AI
AI on PCs	Parks, B.	1.1	Spring '87	36	AI applications for personal computers