



The Library of Computer and Information Sciences is the oldest, largest book club especially designed for computer professionals. In the incredibly fast-moving world of data processing, where up-to-the-moment knowledge is essential, we make it easy to keep totally informed on all areas of the information sciences. What's more, our selections offer you discounts of up to 30% off publishers' prices.

MEMBERSHIP BENEFITS • In addition to getting the Library of Artificial Intelligence for only \$4.95 when you join, you keep saving substantially on the books you buy. • Also, you will immediately become eligible to participate in our Bonus Book Plan, with savings of 65% off the publishers' prices. • At 3-4 week intervals (16 times per year), you will receive the Library of Computer and Information Sciences News, describing the coming Main Selection and Alternate Selections, together with a dated reply card. • If you want the Main Selection, do nothing, and it will be sent to you automatically. • If you prefer another selection, or no book at all, simply indicate your choice on the card and return it by the date specified. • You will have at least 10 days to decide. If, because of late mail delivery of the News, you should receive a book you do not want, we guarantee return postage.

The 3 Volume Library of Artificial Intelligence

is yours for only **\$4.95**

as your introduction to the
Library of Computer and Information Sciences

The Library of Computer and Information Sciences 7-FJ6
Riverside, NJ 08075

Please accept my application for trial membership and send me the Library of Artificial Intelligence (00821) billing me only \$4.95, plus shipping and handling. I agree to purchase at least three additional Selections or Alternates over the next 12 months. Savings range up to 30% and occasionally even more. My membership is cancelable any time after I buy these three additional books. A shipping and handling charge is added to all shipments.

No-Risk Guarantee: If I am not satisfied—for any reason—I may return the Library of Artificial Intelligence within 10 days. My membership will be canceled, and I will owe nothing.

Name _____

Address _____ Apt. _____

City _____

State _____ Zip _____

(Books purchased for professional purposes may be a tax-deductible expense. Offer good in Continental U.S. and Canada only. Prices slightly higher in Canada.)

Science News 8/26/89

You simply agree to buy three more books—at handsome discounts—within the next 12 months.

ELEMENTS OF ARTIFICIAL INTELLIGENCE: An Introduction Using LISP.

Steven L. Tanimoto, University of Washington, editor-in-chief of *IEEE Transactions and Machine Intelligence*

How can software “learn”? How can you represent knowledge in a program . . . and adjust that knowledge when events change? How can you translate leading-edge concepts like natural language, expert systems, computer vision, and probabilistic reasoning into software?

The answers are in this example-driven, programmer-oriented guide to the algorithms and principles of artificial intelligence. 527 pages. Publisher's price: \$35.95

PARALLEL DISTRIBUTED PROCESSING I and II: Explorations in the Microstructures of Cognition.

David E. Rumelhart, University of California, San Diego, James L. McClelland, Carnegie-Mellon University and The PDP Research Group

Why are people smarter than machines? Can a machine use human cognitive processes? Can it distinguish between objects in a scene, or understand colloquial speech?

Leading researchers explore how the human brain uses “parallel distributed processing” to evaluate experiences and how you can use these techniques to develop artificial intelligence programs. 1,158 pages. Publisher's price: \$55.00