We are planning a Special Issue of Computer Music Journal on Artificial Intelligence and Music. Topics of interest include:



AI and Music Theories Music Cognition AI Techniques in the Analysis of Music Knowledge Representation for Music LISP and Music Models of Musical Listening and Understanding AI and Digital Sound Editing Intelligent Musical Devices Automated Score Generation (Algorithmic Composition)

In line with this special issue we are now soliciting papers. The deadline for papers is April 11, 1980. Articles may be sent to:

C. Roads Editor Computer Music Journal MIT Press 28 Carleton Street Cambridge, MA 02142

To obtain a copy of this special issue (Vol. 4, No. 2, Summer 1980) write to: MIT Press Journals, Circulation Manager at the Cambridge address above.

FIRST ANNUAL NATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE

The First Annual National Conference on Artificial Intelligence will be held Aug. 18 to 21 at Stanford University in Palo Alto, California. The conference is sponsored by the American Association for Artificial Intelligence, with the cooperation of ACM SIGART. Conference general chairman is

J. Marty Tenenbaum SRI International Menlo Park, CA 94025

Conference topics will include: robotics, cognitive modeling, vision, problem solving and search, artificial intelligence languages and software, theorem proving, theoretical foundations, mathematical foundations, knowledge representation, knowledge acquisition, specialized systems, program synthesis and understanding, and natural languages. Information about submitting papers appeared in SIGART Nesletter #68, page 28; the deadline is May 1.

Being held in conjunction with the Conference is an Artificial Intelligence Trade Fair which will be convening in Stanford's Tressider Union. Some of the leading U.S. artificial intelligence research groups and manufacturers will be demonstrating A.I. and other computer hardware and software.

A Tutorial Program August 18 will examine the state of the art of current artificial intelligence research in this country. The American Association for Artificial Intelligence (AAAI) is a new scientific society whose purpose is to further the dissemination of information on artificial intelligence in the United States. AAAI's primary activities will be the holding of an annual conference and the publication of a guarterly magazine.

AAAI Officers are:

President, Allen Newell of Carnegie-Mellon President-elect - Edward A. Feigenbaum of Stanford University Secretary-Treasurer - Donald E. Walker of SRI International.

Membership in AAAI is open to all active researchers in the field of artificial intelligence. For AAAI membership information, contact

Bruce Buchanan Computer Science Department Stanford University Stanford, CA 94305

BOOKS

TEX and METAFONT, New Directions

Donald Knuth

TEX and METAFONT, New Directions in Typesetting consists of three parts each of which is self-contained. First is "Mathematical Typography," a Gibbs Lecture that Dr. Knuth presented to the annual meeting of the American Mathematical Society. This gives an overview of both TEX and METAFONT and puts them in perspective. Part 2 is a complete description of the TEX typesetting system. The last part is a similar description of METAFONT.

TEX represents a unique and powerful achievement in typesetting. Originally designed for use in setting technical--primarily mathematical--text, Dr. Knuth's concepts are applicable to all computerized typesetting.

METAFONT is a system for the design of alphabets. It is suited to implementation on raster-based devices that print or display text. METAFONT allows the "designer" to give a completely precise definition of letter shapes and also makes possible the definition of an infinite variety of type at once--computers can "draw" new fonts of characters in seconds.

Foreword by Gordon Bell. 360 pages, illustrated, indexes, paperback. ISBN 0-932376-02-9.

TEX and METAFONT, New Directions in Typesetting, a co-publication of Digital Press and the American Mathematical Society, is available for \$12.00. A 10% discount is extended to purchasers of two or more copies. \$1 will be added for postage and handling unless the order is prepaid. Order from: Dept. TM:X, Digital Press, Educational Sevices, Digital Equipment Corporation, 12-A Esquire Road, North Billerica, MA 01862.

* Price applies to U.S. only. Contact the nearest office of Digital Equipment Corporation, Educational Services for prices outside the U.S.

Associative Networks -- The Representation and Use of Knowledge in Computers

N.V. Findler (Ed.)

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(This book will be published by Academic Press and come out in March or April, 1979.)

NEW BOOK ANNOUNCEMENT

PRINCIPLES OF ARTIFICIAL INTELLIGENCE

by Nils J. Nilsson SRI International

Nils Nilsson's new book on AI is now available from Tioga Publishing Company, P.O. Box 98, Palo Alto, CA 94302; (415) 854-2445. 476 + xv pages including approx. 400 references, remarks about the references, and exercises. 1980, ISBN 0-935382-01-1; \$24.50 plus shipping and handling.

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comprehension. Actual dialogue games have a kind of casual connectedness that is not a consequence of their formal properties. This is explained in terms of a theory of action, which is also seen to explain a similar attribute of speech acts.