SAM 76

the first LANGUAGE manual

IN THE LAND OF SAM

A Tybox

A Medha

A Scanner Examines a String for the Evaluator
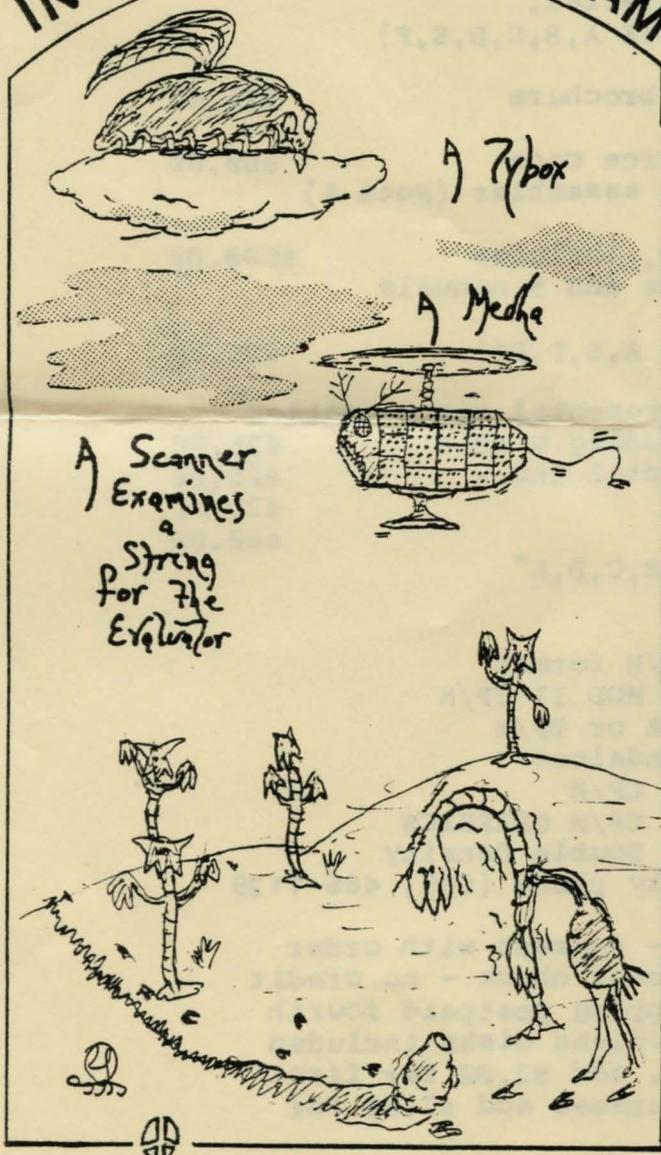
Second Edition

The SAM76 Language

The SAM76 language was designed by people for people - not by programmers for programmers. It follows a well defined syntax which is easy to learn and to read. The notation avoids the use of pseudo "English" words which are a frequent source of confusion and ambiguity in many of the other computer languages.

The SAM76 language can be used in as large a variety of tasks as one is able to imagine - this on personal computers without requiring computer specialists or programmers to intercede.

There are more than 150 functions - or instructions - available making the SAM76 language the most powerful available today, and it fits in approximately eight thousand bytes of memory; this can be ram or rom as the user desires.

The SAM76 language can be viewed as a real language which follows the user's stream of consciousness in much the same manner as spoken language. This permits the language in its written form as used by the computer and the user to serve as documentation.

The SAM76 language provides the user with the capability of requiring the computer to perform complex operations in many areas; a few of these are: Control, Text manipulation and editing, Simulation, Arithmetic with any desired precision.

The SAM76 language is interactive and reactive. As one task is accomplished the user continues and in effect the SAM76 language processor carries on a conversation , reacting to expressed desires.

The SAM76 language provides a uniquely flexible means to control facilities or to derive data from sources other than the user's keyboard.

The SAM76 language is a "string processor". This means that the units of information are not confined to any fixed length, but may be made up of any number of characters, or even no characters, as determined by the user. Entire strings may be manipulated by single commands.

The SAM76 language is interpretive. This means that when a string is evaluated and an expression found to contain an instruction or command, then the specified action is immediately performed and the resulting value, if any, replaces that expression in the string.

The SAM76 language facilitates the use of pre-defined procedures. This means that the user's procedures or scripts may be stored for potential use and later called by name and immediately acted upon, with variables supplied to specified arguments as part of the process.

The SAM76 language makes no distinction, except in the user's own use of information, between data and procedures. Procedures tell the processor what to do; data is the information acted upon by the procedures. Procedures may be modified when other procedures treat them as data.

The SAM76 language is most powerful in providing man-machine interaction permitting the user to modify his work and to intervene when desired. The language provides facilities to define and save scripts for subsequent use; this in effect can behave or operate as if they themselves were inherent functions of the language.

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designed for you and your personal computer

SAM76 Inc.
Box 257, R.R.1
Pennington, N. J., 08534, U.S.A.
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Available materials and prices effective Apr 1, 1981
Printed Matter:
    SAM76 Language Manual - 240 pps. $20.00
    SAM76 Beginners Tutorial booklet $ 5.00
Machine Readable materials:
    SAM76 Distribution Disk - $25.00
        Contains object code for 8080 and Z80
        Source code for graphics functions,
        real time clock and some miscellaneous
        other functions; variety of applications
        scripts, and demonstrations as well as
        miscellaneous tutorial material.
        Available formats (see NOTE A,B,C,D,E,F)

    SAM76 TRS80 disk, includes brochure $25.00

    SAM76 Complete 8080/Z80 Source Code $60.00
        Requires Z80 C.D.L. Macro assembler (Note A)

    SAM76 Complete DEC10 system, includes $500.00
        source code, Hershey fonts and 5 manuals

    SAM76 Adventure Game (NOTE: A,B,D,E1) $25.00

    SAM76 "Hershey" graphic incremental vector tables
      I - Occidental Fonts excluding Gothic $25.00
     II - Gothic Fonts and Oriental Index $25.00
    III - Oriental Fonts $25.00
        Set of three disks $60.00
        Available formats are "A,B,C,D,E"

Notes:
    A - 8inch single density CP/M format
    B - 5 1/4 inch - Micropolis MOD II CP/M
    C - 5 1/4 inch - TRS-80 CP/M or TP/M
    D - 5 1/4 inch - TRS-80 standalone
    E1 - 5 1/4 inch - APPLE Z80 CP/M
    E2 - 5 1/4 inch - APPLE Z80 CP/M GRAPHICS
    F - 5 1/4 inch - North Star Double Density
For other formats contact SAM76 by phone (609) 466-1129

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      AIR book rate.

      Net 30 prices are those quoted above multiplied
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      on request, if additional copies are required
      add $5.00 for each desired copy.