Pegasus
by
Computer Research Laboratory

10 MHz 68010 CPU
Virtual Memory Management
One megabyte of real memory
    expandable to two megabytes
    no wait state, 400nS
Up to 256,000 bytes of ROM storage

1024 by 1024 display bitmap
640 by 480 landscape mode monochrome display
    with smooth pan over the bitmap

Uses Unicorn cabinet, power supply,
    and keyboard

Small Computer Standard Interface (SCSI)
    mass storage interface
Tektronix 4926 opt 25
    10 megabyte Winchester disk
    plus two 500,000 byte floppy disks

Mouse

Interval Timer, Clock Calendar,
Hardcopy interface, RS-232c port,
50 bytes non-volatile RAM memory,
Three voice four octave sound generator

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Artificial Intelligence Programming Environment

Smalltalk-80
    Object-oriented programming language
    Multi-window display environment
    Rapid prototyping

Prolog
    Logic programming language
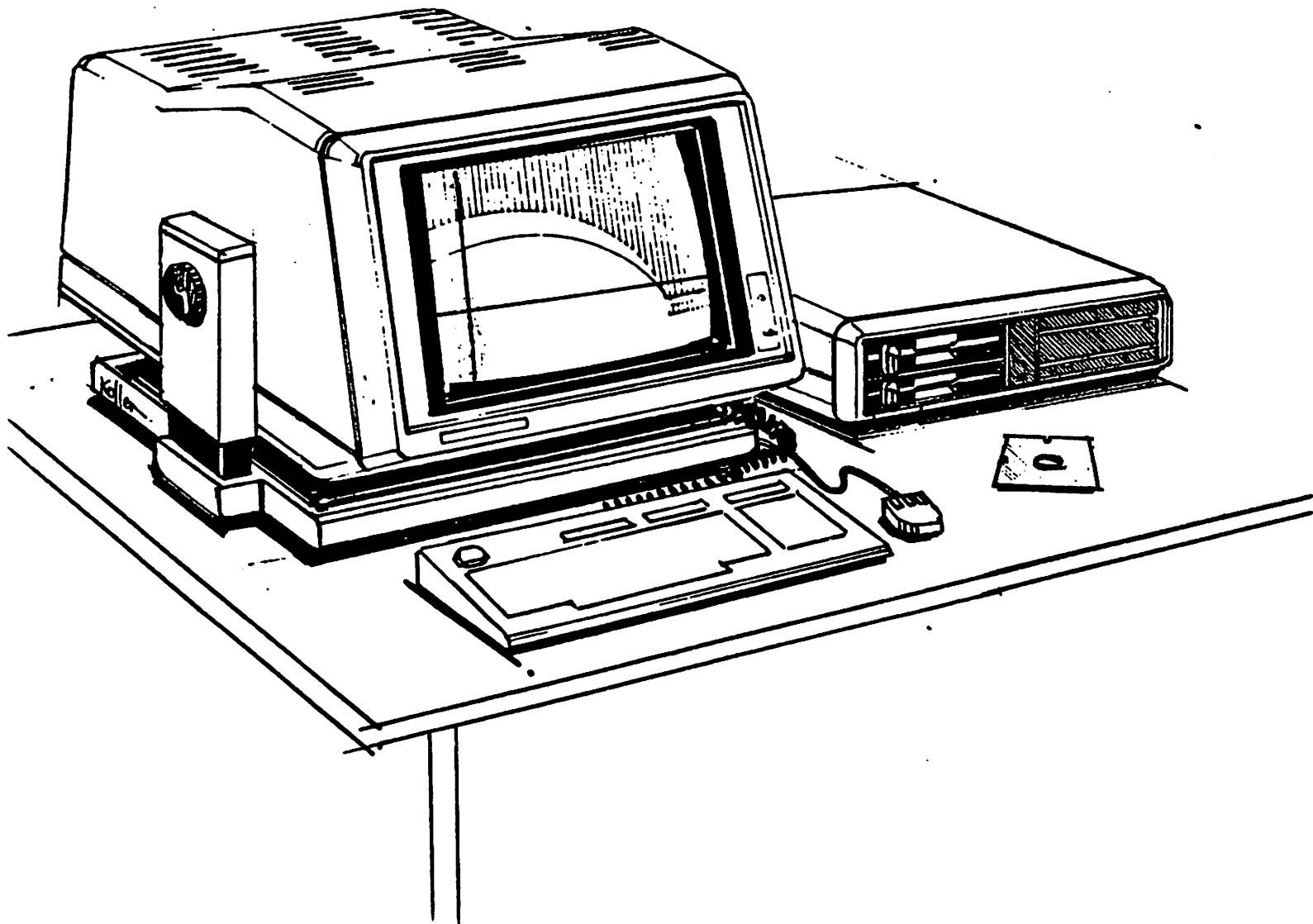   Rule based systems
    Constraint satisfaction problems

Lisp
    Functional programming language
    "Assembly Language" of A.I.
    Large existing applications base

Pegasus Software Architecture

Smalltalk-80, version 2: File support, system calls, enhancements	**Lisp:** Franz/PSL, cost, licensing, documentation	**Prolog:**	**Host Comm:** 1m, modem7, network protocols	**OS-9 Programs** Languages, Utilities

OS-9/68000: virtual memory, harcopy, RS-232, clock/calendar, timer, floppy, winchester, math package

Terminal Emulator: 4105 text overlay compatible, ANSI/vt100

Boot: power-on diagnostics, auto-start to plug-in ROM, boot from any SCSI device, simple terminal driver and keyboard interface, self-test