

DIRECTORY OF CORVUS CONCEPTS INSTALLED
IN COLLEGES AND UNIVERSITIES

AUGUST 21, 1984

CORVUS SYSTEMS, INC.
2100 CORVUS DRIVE
SAN JOSE, CALIFORNIA 95124

Massachusetts Institute of Technology
in Cambridge, Massachusetts

A. Gas Turbine Laboratory (GTL)
77 Massachusetts Avenue
Building 37, Room 381
Cambridge, MA 02139

Contact: Bob Haines - Manager of Computer Resources
of GTL

Phone #: (617) 253-7518
or (617) 253-2434

Applications:

- (1) A technical word processor: Bob wrote a "post processor" and has attached a Qume twin-track printer. This software permits the creation of complete technical documents.
- (2) A graphics terminal: Bob wrote his own terminal emulator for the DEC VT52. Their Concepts are connected to DEC PDP 1170 and Perkin Elmer minicomputers.

B. Department of Aeronautics and Astronautics
77 Massachusetts Avenue
Cambridge, MA 02139

Contact: David or Dale Stuart - Graduate Students
Phone #: (617) 253-8207
or (617) 547-6276

Applications:

- (1) Dale has developed "trajectory analysis" software for the space shuttle program.
- (2) David is developing "parametric analysis" software.

Northeastern University
in Boston, Massachusetts

College of Computer Science
237 Botolph Building
360 Huntington Avenue
Boston, MA 02115

Contact: Dr. Paul Kalaghan, Dean
 or Dr. Phil Carrigan
Phone #: (617) 437-2462

Applications:

- (1) They teach students PASCAL programming.
- (2) They teach students 68000 Assembler.
- (3) They teach students graphics.

Yale University
in New Haven, Connecticut

Yale University Press
92A Yale Station
New Haven, CT 06520

Contact: Michael Pepper - Coordinator
 of Computer Resources
Phone #: (203) 436-7584

Applications:

They have implemented the KeyText Systems "Bookware"
software package for electronic manuscript processing.

Wesleyan University
in Middletown, Connecticut

Computer Science Department
Middletown, CT 06457

Contact: H. David Todd, Director of Academic
and Administrative Computing
Phone #: (203) 347-9411 X 2820

Applications:

- (1) Academic Word Processing expanding the capabilities of EdWord.
- (2) Instruction in Computer Architecture.
- (3) They have interfaced their Diablo ECS daisywheel printer using the extended character set to generate special symbols.

John Hopkins University
in Baltimore, Maryland

Oncology Center
Room 3 - 121
600 North Wolfe Street
Baltimore, MD21205

Contact: Dr. William Burns
Phone #: (301) 955-8796

Applications:

Dr. Burns is doing work in data retrieval, patient files, graphics analysis and word processing.

University of Pittsburgh
in Pittsburgh, Pennsylvania

Foundation for Applied Science and Technology
106 Mineral Industries Building
Pittsburgh, PA 15260

Contact: Richard Olson - President
Phone #: (412) 624-2024
 or Bob Koepp - Graduate Assistant
Phone #: (412) 624-0379

Applications:

They use "LogiCalc" to develop business plans for startup companies. This includes budget data for all of the various departments within a company. As part of their analysis, they manipulate different variables used to determine optimal budgets.

James Madison University
in Harrisonburg, Virginia

Department of Mathematics and Computer Science
Burruss Hall
Harrisonburg, VA 22807

Contact: Dr. Charles Reynolds
Phone #: (703) 433-6418

Applications:

- (1) Programming in PASCAL in Advanced Programming Course.
- (2) Terminal emulation - already connected to their DEC VAX 11/780.
- (3) Plan on converting the "Huffman Code" for data communications.

North Carolina State University
in Raleigh, North Carolina

Department of Computer Science
122 Daniels Hall
Raleigh, NC 27650

Contact: Dr. Donald Martin, Chairman
Phone #: (919) 737-2011
or Dr. David McAlister
Phone #: (919) 737-2858

Applications:

- (1) Undergraduate graphics software course where students develop graphics software using PASCAL or Fortran.
- (2) Dr. McAlister is doing geometric analysis research work for NASA.

University of Chicago
in Chicago, Illinois

A. Department of Biophysics
920 E. 58th Street
Chicago, IL 60637

Contact: Dr. Jack Cowan
Phone #: (312) 962-1076
or Ed Friedman - PhD Student in Theoretical Biology
Phone #: (312) 962-1656

Applications:

- (1) Dr. Cowan and Ed are using mathematical equations and graphics for eye and brain analysis and research involving large scale activity of the brain.
- (2) Ed has developed a Greek symbol character set specifically for the Epson printer.
- (3) Ed's brother is converting "MIMS" (Medical Information Management System). It is a total information retrieval system - not a DBMS - popular on mainframes. It is of a keyed sequential length format that handles variable length records.

B. Department of Philosophy
1050 E. 59th Street
Chicago, IL 60637

Contact: Dr. William Wimsatt
Phone #: (312) 962-8598

Applications:

Mathematical modelling in population biology. Dr. Wimsatt does graphics work and a large amount of number crunching.

University of Iowa
in Iowa City, Iowa

College of Education
Center for Educational Experimentation,
Development, and Evaluation (CEEDE)
218 Lindquist Center
Iowa City, Iowa 52242

Contact: Dr. Lawrence Stolurow - Professor and Director
or Steve Renk - Assistant Director--Technical
Phone #: (319) 353-4200

Applications:

(1) Computer-Assisted-Instruction (CAI):

CEEDE is developing interactive instructional materials with graphics. They use a Pascal driver and text files to create tutorial lessons in different subject areas. Materials run on a Corvus Concept and on an Apple II + and on an Apple IIe.

(2) Computer-Managed-Instruction (CMI):

With the Corvus Winchester disk system and Omninet network, their "COMPMAN" CMI software provides recording, monitoring, management and reporting capabilities to an instructor. Three levels of protection are provided. Each user is given a different level of access, depending on whether he (she) is a student, teacher or system manager.

University of Kansas
in Lawrence, Kansas

A. Computer Science Department
Lawrence, KS 66045

Contact: Dr. Earl J. Schweppe
Phone #: (913) 864-4487

Applications:

Dr. Schweppe has developed a "Visual Emulator" or simulation software for Assembly. It displays an entire page of Assembly code and has an "Intelligent Syntax Directed Editor" that catches mistakes as they are made. It also includes a mixture of octal and hexadecimal and it allows one to see an actual representation or "Picture Window" of the inside of the Motorola 68000 processor. The Syntax Directed Editor provides line-by-line assembly and visualized simulation of execution on a step-by-step or slow motion basis. In addition, other simulators are being used in teaching various fundamental concepts.

B. University Theater
Lawrence, KS 66045

Contact: Ronald A. Willis - Director of Theater
or Jackie Davis - Director of Concept and
Chamber Music Series

Phone #: (913) 864-3381

Applications:

They have implemented the Arts Research Technology Systems "Bravo" software package. It completely coordinates the management of the box office, accounting, mailing and donor/member functions of a theater.

University of Houston
in Houston, Texas

KUHT TV Station
4513 Cullen Blvd.
Houston, TX 77004

Contact: Mark Scheibel - Director
Phone #: (713) 749-7371
or (713) 748-6814

Applications:

- (1) They use EdWord for scripts, reports, letters and memos.
- (2) They use LogiCalc for program budgets, department budgets and production scheduling.
- (3) They use Datafax for maintaining their inventories, tape library and tape archives.

San Juan College
in Farmington, New Mexico

Department of Mathematics
4601 College Blvd.
Farmington, NM 87401

Contact: Mort Lord, Professor and
President of Corvus National Educational
End-Users Group, Inc. (CNEEUG)
Phone #: (505) 326-3311

Applications:

Regarding the operation of the CNEEUG, they use the Aladin relational data base to keep information on their membership, on Corvus-compatible software, and Corvus-compatible hardware.

Arizona State University
in Tempe, Arizona

- A. Department of Computer Science
Academic Services Building, Room 212
Tempe, AZ 85287

Contact: Dr. Marvin Woodfill
Phone #: (602) 965-3190
or (602) 965-3689

Applications:

Individual student projects with software development in PASCAL and Assembly.

- B. Department of Electrical & Computer Engineering
Tempe, AZ 85287

Contact: Dr. Paul Anderson
Phone #: (602) 965-6569

Applications:

Dr. Anderson is doing analysis work in electrical engineering.

Brigham Young University
in Provo, Utah

Design Engineering Technology Department
435 Clyde Building
Provo, UT 84602

Contact: Max Raisor - Professor
Phone #: (801) 378-1211
or (801) 378-3892

Applications:

B.Y.U. bought their Corvus Concept through a research grant from General Electric. They have developed a "graphics data base" as part of their graphics research work. This system is Phase I of a major software package that does 3-D interactive graphics. It is targeted at teaching the principles of 3-D graphics without having to acquire a major industrial computer graphics system. To simplify expansion in the future, the 2-D and 3-D aspects of the data base are independent of each other and the system is built around a centralized user interface.

Stanford University
in Stanford, California

A. School of Medicine
Department of Psychiatry
Stanford, CA 94305

Contact: Dr. Jerry Yesavage
Phone #: (415) 493-5000 X4330
or (415) 497-6341

Applications:

- (1) They use EdWord for word processing of research work.
- (2) They have developed a statistical analysis software package consisting of basic statistics.
- (3) They do graphic analysis of the data resulting from flight simulation software that runs on an Apple II. This includes analysis of drug blood-level content.

B. School of Medicine
Department of Emergency Medicine
Stanford, CA 94305

Contact: Dr. Michael Eliastam
or David Heckerman, Medical student
Phone #: (415) 497-6576

Applications:

- (1) They have developed a complete Patient Tracking System of software. It provides pertinent information on patients including arrival and departure, X-rays taken and how long patients have waited in the waiting room. This software runs on the Corvus Concept Operating System (CCOS).
- (2) They are developing statistical analysis information using the TDM Data Base Management System.
- (3) They are interfacing the above to their campus hospitals' Admission Transfer Discharge (ATD) system that runs on their IBM 3083-E mainframe computer.

University of Washington
in Seattle, Washington

Department of Electrical Engineering
Mail Stop FT-10
Seattle, WA 98195

Contact: Dr. Robert Albrecht
Phone #: (206) 545-1600
or Dr. Mark Damborg
Phone #: (206) 543-9667

Applications:

- (1) Engineering analysis work in their Stochastic Data Analysis Laboratory.
- (2) Technical word processing using a C.Itoh 8600 dot matrix graphics printer with special symbols.

University of Alaska
in Fairbanks, Alaska

Alaska Cooperative Wildlife Research Unit
209 Irving Building
Fairbanks, AK 99701

Contact: Norma Mosso - Administrative Assistant
Phone #: (907) 474-7673

Applications:

- (1) They use EdWord for document processing.
- (2) They use Datafax for inventory control.
- (3) They use LogiCalc for budgeting.

University of Calgary
in Calgary, Alberta, Canada

Department of Computer Science
2500 University Drive N.W.
Calgary, Alberta, Canada T2N 1N4

Contact: Dr. Brian Unger
Phone #: (403) 284-6038
 or Barry Asaph
 or Murray Petersen
Phone #: (403) 284-6316

Applications:

- (1) They have developed CRT drivers and keyboard encoders for graphic package applications.
- (2) They have a distributed software environment where their Concepts are connected to their DEC VAX 11/780 thru Omninet.
- (3) They have converted CP/M 68K (68000) that is now running on their Concepts.
- (4) They have developed the MOS operating system for their Concepts. This is a multitasking operating system that takes full advantage of the windowing capabilities of the Concept. It is also interactive with Unix running on their DEC VAX 11/780.

Carleton University
in Ottawa, Ontario, Canada

Department of Electronics
Ottawa, Ontario, Canada K1S 5B6

Contact: Dr. Miles A. Copeland - Chairman
Phone #: (613) 231-4388
 or Duncan Glendinning - Research Engineer
Phone #: (613) 231-6300

Applications:

- (1) Carleton has developed some very powerful and sophisticated Integrated Circuit Layout Simulation analysis software. This generates as output "CIF" (Cal Tech Intermediate Form) code which is compatible with Silicon foundries.
- (2) They have converted "Splice" from a mainframe. This is a logic or digital simulator package of software.
- (3) They have also converted "Spice" from a mainframe. This is an analog simulator package of software.
- (4) They also intend to convert "LISP," which is a programming language used primarily for artificial intelligence research work.

Brock University
in St. Catharines, Ontario, Canada

Computer Science Department
500 Glenridge Avenue
St. Catharines, Ontario, Canada L2S 3A1

Contact: Dr. Vladimir Wojcik - Computer Science
Phone #: (416) 688-5550 x 516
or Dr. Robert Knoop - Psychology
Phone #: (416) 688-5550 x 365

Applications:

They have developed "PRAISE" - Personal Review and Improvement System for Executives. This software matches job characteristics to personal characteristics, which is especially important during the job hiring process in the matching of personnel to jobs. It includes statistical data combined with graphics representations. Included is data on how you are viewed by

College Andre - Laurendeau
in Lasalle, Quebec, Canada

Secretary Department
111 Lapierre Street
Lasalle, Quebec, Canada H8N 2J4

Contact: Rosa Moran - Director of Secretary Department
Phone #: (514) 766-7285

Applications:

- (1) They use EdWord for teaching professional word processing to secretary trainees.
- (2) They also use LogiCalc for teaching their students an electronic spreadsheet.

Imperial College
in London, England

Royal School of Mines
Computer Center
Consort Road
London, England SW7 2BP

Contact: Richard Barnett
or Peter Churchyard
Phone #: 011-44-1-589-5111 x1194

Applications:

- (1) Terminal emulation for the Tektronix 4040.
- (2) "Network Independent File Transfer Protocol" (NIFTP) software for communication to Cyber 174, Cyber 720 and Cray 1 mainframe computers.
- (3) X.25 packet switching network interface using their "Packet Assembler Disassembler" (PAD).
- (4) Scientific mechanical and statistical modelling software.
- (5) Text editing using EdWord, including interfacing to their APS Micro 5 phototypesetter.