

Academic Computing Newsletter

Academic Computing Services
State University of New York, College at Brockport
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Prime Articles

On the Move

The C29 Cooper Public Access Lab and PC classroom (B8L) will be moving to Dailey Hall this summer. The move will free classroom space needed for the Hartwell renovation project, provide additional flexibility for campus computing needs, and help to re-open an important building space that has been closed for several years. The plan calls for the move to occur in several phases. PC's from Cooper and some from Drake will be moved this summer; the rest of the Drake operation including the Prime will move in a second step. This move is in keeping with specific recommendations made in the Academic Computing Study. We hope this relocation will result in better and more efficient operations and service for all our users.

Ethernet Session

What is Ethernet? Ethernet allows a PC to connect to other PC's, mainframes and off-campus computers. There's nothing like seeing it in action. Come be our guest for an information session describing the hardware and software involved in a small (5 station) thinnet Ethernet network. Brian Volkmar and Erik Seielstad will show the Ethernet board, wiring, and software used to configure this experimental set up at ACS. If networking terms are just so much jargon to you, and you'd like to see what we're talking about, come to this demonstration to be held on Wednesday, April 29, 1992 at 2:00 pm in the Instructional Seminar Lab (ISL) located in ACS-Drake.

Talk Around Campus

E. Selestad

E-mail can now be shared between Academic Computing's Prime 6450 (ACSPR1), the Computer Science department's Microvax II (KAZUMI), and the Weather department's HP Workstation (VORTEX). Using the latest revision (9.4) of the Mail software on the Prime, users can send and receive mail to the other two computers.

The actual connections between the machines are handled by the campus Equinox. Mail to the IBM mainframe is also possible. The ability to communicate with other campus platforms is an aim for all our systems.

To send mail to the Microvax type: mail username@kazumi

To send mail to the HP type: mail username@vortex

Change_Project

Are you taking more than one class that uses the Prime? Are you tired of having to log off and on again to access different class accounts? Never fear. There is now an easy way to change from one account to another without logging off and on again. Type:

CP {project} for Change_Project where {project} refers to the class you're enrolled in, e.g.,

CP CSC203 (you will then be prompted for your password)

Changing your project changes the groups to which you currently belong, your command environment attributes, and your origin directory to those of the new project.

Change_project is one of several new features of Primos 23.2. For more information type:

HELP CP.

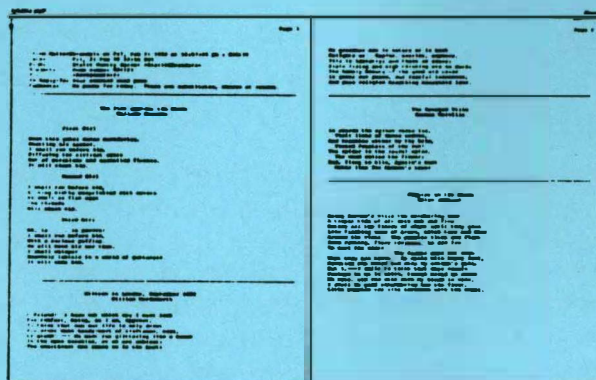
Prime Laser Printer Enhancement

New enhancements have been made to the PostScript SPOOL driver, (i.e., the Prime Laser Printer) including the ability to squeeze several pages onto a single sheet of paper.

The driver allows 2, 4, 8 or 16 pages to be printed onto a single sheet. The pages are normally printed down columns first. The "X" option places the pages across the rows first, which is more appropriate for text documents.

Both text and PostScript files can be printed and all current SPOOL command line options are supported. For example, to print a two page document (e.g., a file named TERM.PAPER) on one sheet of paper, type:

SPOOL TERM.PAPER -AT 2-UP



Below are page characteristics for different options:

<u>Spool Options:</u>	<u>FONT SIZE</u>	<u>Image Area</u>	<u>Pages per Sheet</u>
-AT LASER	11.5	8.0" x 10.5"	1
-AT 2-UP	6.7	4.7" x 6.1"	2
-AT 4-UP	5.1	3.6" x 4.7"	4
-AT 4X-UP	5.1	3.6" x 4.7"	4 (across)
-AT 8-UP	3.4	2.3" x 3.1"	8
-AT 8X-UP	3.4	2.3" x 3.1"	8 (across)
-AT 16-UP	2.6	1.8" x 2.3"	16
-AT 16X-UP	2.6	1.8" x 2.3"	16 (across)

PDP11 Donated to ACS

A DEC PDP-11/23 minicomputer has been donated to Academic Computing Services by Rochester Gas and Electric. This dated but fully operational, functioning computer was rescued by quick action on the part of Brian Volkmar, ACS Operations Manager.

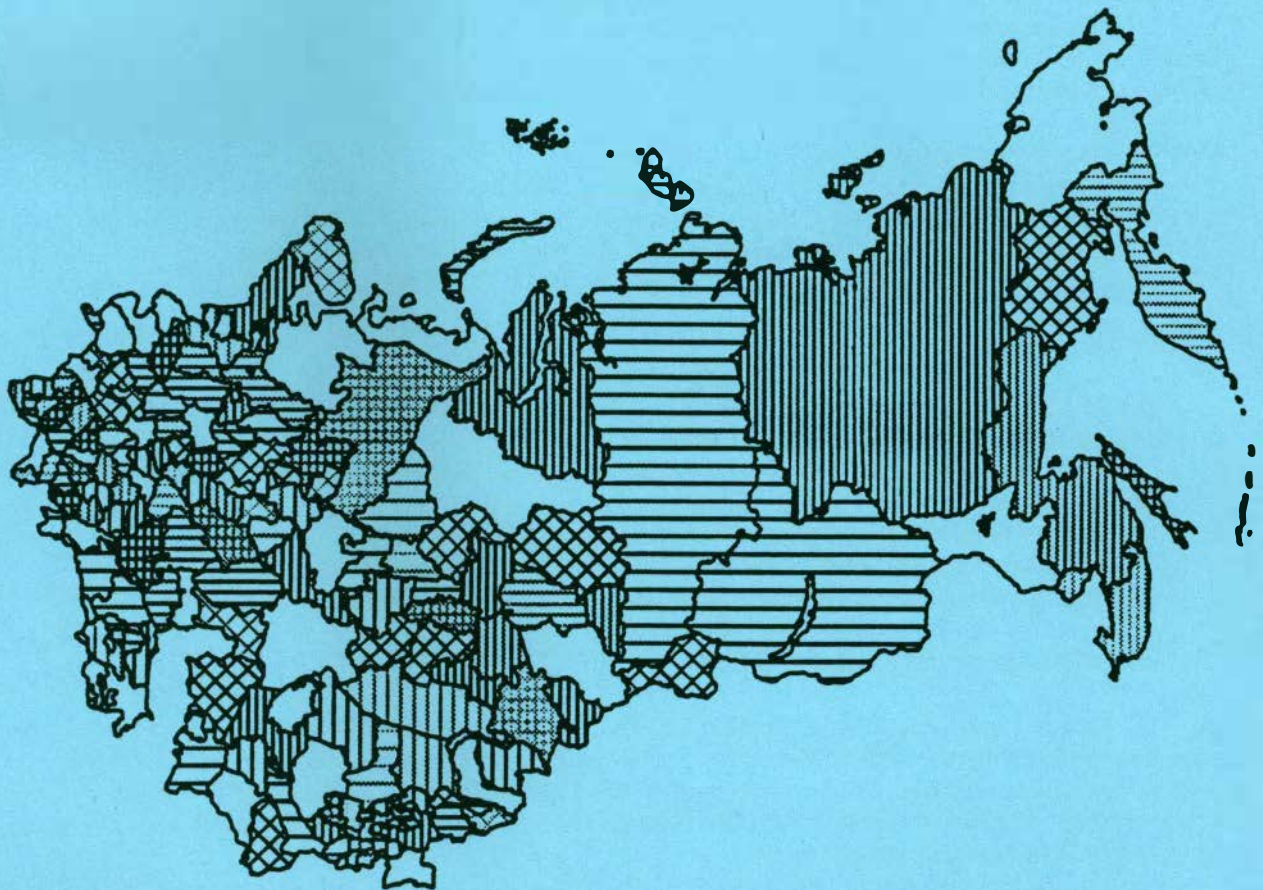
This computer will be used as a 'living laboratory' by computer science and other students including those in the History of Computing (CSC390) classes. The machine is provided on an as-is basis for student research, experimentation, or perhaps just some rumination about 'the good ole days' before PC's!

Thank you RG&E. All usable gifts-in-kind can be used to challenge others to match fund raising efforts and are extremely appreciated.

SAS

Employees with SAS skills are currently in demand. What is SAS? SAS stands for Statistical Analysis System and is one of the statistics packages available on the Prime. New handouts are being designed to make SAS 6.06 easier to use and more versatile than ever. SAS Graph is a companion graphics package that can give you a pictorial view of your data. SAS Graph also provides on-line world, country and county maps for your use. The following is an example of the types of maps available showing the republics and subregions of what was formerly the Soviet Union. As of this writing, eight new countries have been recognized by the U.N.

Former Soviet Union



• Map data set supplied with SAS/GRAPH Software

PC Articles

WordPerfect Update

Plans call for WordPerfect 5.1 to be installed on all MS DOS computers in the ACS labs, Center for Academic Improvement and PC classrooms before fall. The software will be used in Composition classes and will be introduced to incoming freshmen. WordPerfect is available for individual purchase in the campus bookstore for \$135. PC Write and PC Lite will continue to be available as well.

Michelangelo Virus

The recent Michelangelo virus scare, triggered by a March 6 startup date should make all users more aware of the importance of backing up important information and keeping your PC virus-free. Campus offices can get a copy of McAfee CLEAN and SCAN virus checking programs from AV/Tech Services. Students MUST check their disks when using any of the ACS labs on campus. These safeguard measures are designed for your protection. Your cooperation is appreciated.

Windows 3.0 Classes

Two upcoming events may be of interest to PC users trying to learn more about Windows. An introductory overview session for users who are looking for general information about Windows can attend an 'Intro to Windows' demonstration on Wednesday, April 22 at 1 pm in the Instructional Seminar Lab, ACS-Drake. If you want to use Windows for something more than playing Solitaire, this is the class for you. No reservation necessary.

If you are an expert user, and are interested in knowing more about the upcoming release of Windows 3.1, Microsoft is sponsoring a free technical support seminar in Rochester on April 30. The half-day session will be held from 8:30 am to 12 noon or 1:30 pm to 5 pm at the Rochester Convention Center. Call 800-942-1185.

SPSS/PC+ Amnesty Program

Till April 30, SPSS is allowing users with illegal copies of SPSS/PC+ to become registered users and upgrade to SPSS/PC+ 4.0 for \$99 without penalty or fear of prosecution. Add-ons including Advanced Statistics (\$75) and Data Entry II (\$75) are also eligible for this promotion. For details, call SPSS, 800-543-6613 or x2368.

Scholar's Day

Scholar's Day is Wednesday, April 1, 1992. Over 150 presentations are scheduled. A sampling of the computer-related sessions that you might want to attend include:

1. S. Mookerjee and M. J. Orzech - 'Repetitive Motion Disorders/Carpal Tunnel Syndrome'.
2. D. Schleede, G. Byrd, and J. Hubbard will describe the Weather lab's local area network (LAN).
3. E. Southwick will demonstrate a Mac-based data acquisition system.
4. L. Helber, T. Neale, and T. M. Rao will speak on 'ZIP - The Zero Inaccuracy Processor'.
5. The Computer Science and Math Club will also demonstrate fractal software.

High School Programming Competition

The Annual High School Programming Competition will be held on Saturday, April 11 in Cooper Hall. Sponsored by the Computer Science Department, the competition invites area high school student teams of three or four students to solve programming problems in a timed format. Winning teams from the Brockport competition go on to regional competitions held at Western New England College. Brockport winners have won first place in the regional competition twice in the past.

The high school competition rules are based on the format used for ACM's (Association for Computing Machinery) College Student Competition. We'd like to belatedly recognize this year's ACM Programming Team: Mark Weiland (ACS Drake Supervisor), Tony Harkin, Todd Prince, and Larry Helber (ACS Drake User Consultant). The team placed fourth in one of last fall's ACM regional competitions. Thanks also to T. M. Rao (CSC Chair), the team's faculty advisor.

MAC Videotapes

"Imagine" is a series of videotape programs from Apple that demonstrate how computers are used in education. Programs include real-world examples of computer use, software demonstrations, and question and answer segments. Broadcasts are available by satellite down-link to colleges and schools throughout the United States this spring.

Academic Computing Services will be showing these broadcasts during the week of March 23-27. Tapes will be shown in 187 Student Union from noon to 1 pm. Bring a brown bag lunch and join us. All are welcome to attend. Special thanks to F. Filardo (Television Services) for arranging to downlink these broadcasts from SUNYSAT, the campus satellite downlink facility. Reprinted below are descriptions from Apple.

"Innovations in Technology"

Mon. March 23

Unprecedented access to vast databases housing text, voice, images and even video is coming to personal computers. Take an inside look at how these changes are occurring.

"How Computers are Changing the Way We Learn"

Tues. March 24

See the difference that technology is making in the classroom. Explore how software "textbooks", tools for collaborative learning and writing, and several other exciting developments are enhancing the learning process.

"Macintosh Solutions for Math and Science"

Weds. March 25

Math and Science involve abstract concepts that are difficult for many students to visualize. Take a look at how Apple Macintosh computers are being used to help students see relationships, understand concepts, and even embrace these subjects.

"Multimedia 201: Beyond the Basics"

Thurs. March 26

Designed for educators and students interested in an introduction to Hypercard and its capacity to integrate software, animation, sound and video.

"The Computer and the Campus: An Interview with John Kemeny"

Fri. March 27

John Kemeny, former president of Dartmouth, and one of the creators of the BASIC computer programming language, discusses his association with Einstein as a graduate assistant, work at Los Alamos, and ideas regarding computers on campus. (Shown at EDUCOM '91.)

Future tape showings:

"Multimedia in Language and Literacy"

Tues. May 12

Illiteracy and multilingualism affect all of us. Learn how the Macintosh combines sound, graphics and video to help people learn new languages and enhance their reading and writing skills.

"Client/Server Architecture and Information Access and Analysis"

Weds. May 13

Information is the lifeblood of any organization. Having the right information at the right time can be crucial. See how campuses are integrating Macintosh computers with a wide variety of host databases, applications and computer platforms.

How'd They Do That?

Amazing things happen when community spirit combines with high tech know-how. Below is an example of an improved work flow many of us wish we could emulate.

Swimming meets held at SUNY Brockport require coordination and hard work. Until recently, volunteers manually typed in winning scores on old-fashioned stencil sheets for duplication to participants. According to Brian Volkmar, ACS Operations Manager, this year's February meet was different.

Finishing times were entered using PC-based swimming meet software which tallied and printed scores. A fax machine in Tuttle North played a crucial role. As completed, the results were immediately faxed to Xerox in Henrietta, where 1800 copies were bound and duplicated at no cost, then driven back to Brockport in time for the final heats. The entire procedure was accomplished within two hours.

Computing Related Events**On-Campus events:**

- Mar 24-27
12 noon
187 Union

Brown Bag Macintosh Videotape Series

- Mon: Innovations in technology
- Tues: How computers are changing the way we learn
- Weds: Macintosh solutions for math and science
- Thurs: Multimedia 201: Beyond the basics
- Fri: The computer and campus: Interview with John Kemeny
- Tues: Multimedia in language and literacy
- Weds: Client/Server architecture, information access and analysis

- May 12
- May 13
- April 22
ISL in ACS/Drake

'Intro to Windows' demonstration - Dan Sargent
General introduction to Windows graphical user interface for MS-DOS PC's.

- April 29, 2 pm
ISL in ACS/Drake

Ethernet Demonstration - Brian Volkmar & Erik Seielstad
Come see a working 5 station Ethernet network described

Off-Campus events:

- Mar 15-18
- Mar 26
- April 30
- May 27-29
- June 14-17

Cornell Learning Tech. Program -Multimedia	contact: 607-254-5222
Technology Applied to Learning, Syracuse U.	contact: 315-443-2604
Microsoft Windows 3.1 Technical Seminar	contact: 800-942-1185
Conference on Instructional Technologies, SUNY Oneonta	contact: x2368
Cornell Learning Tech. Program- Writing	contact: 607-254-5222

The Machine That Changed the World

Beginning Monday evening, April 13, 1992 at 10 pm EST, PBS (WXXI) will present "The Machine That Changed the World", five programs on the history of the computer and its impact on society. The series highlights the fifty year revolution in computing and information technology - a revolution that is ongoing.

The programs will be shown on WXXI on the following dates:

April 13 10 pm	"Giant Brains"
April 13 11 pm	"Inventing the Future"
April 20 10 pm	"The Paperback Computer"
April 27 10 pm	"The Thinking Machine"
May 4 10 pm	"The World at Your Fingertips"

Users In the News

S. Graczyk (Educational Admin.) is the co-author with J. Faux, of a new book titled, 101 Templates for School Business Administration: For Use with Lotus 1-2-3. The 600+ page book is bundled with diskettes containing the Lotus templates.

D. Hale (English) maintains a bibliography of the Brockport Writer's Forum on the Prime using INFO. Now celebrating its 25th anniversary season, the Forum has made nearly 300 videotaped interviews with visiting poets and novelists. More than 100 publications of these interviews have appeared in books and journals around the world. The computer allows easy updating, editing, and sorting of these materials. Much of the list has been published in Bulletin of Bibliography for 1985 and 1990.

B. Jancar (Political Science) is spending the semester at Moscow University. While there, she has been successful in sending E-mail back to Brockport using her new laptop. Her e-mail address this semester is:
AROGINKO@GLAS.APC.ORG

S. Milligan (Drake Library) has been invited to a panel discussion at a conference focusing on copyright issues this spring in Hawaii. The all expense paid trip is the result of conversations on BITNET regarding the many interpretations regarding the often confusing subject of fair use and other copying.

PC Software Holdings at ACS as of 03/10/92

IBM PC software:

Operating Systems:

Zenith DOS v3.2, v3.3+, 4.01
 Zenith OS/2 v1.0
 PC DOS v3.2, MS-DOS 5.0

Communications:

*Kermit 3.11
 *Procomm 2.42
 *IBM Access 1.02

Databases:

Dbase III v1.1, IV v1.1
 *Dbase III+ v1.0 Sampler
 *PC-File+ v2.0, PC-File:db v1.0, v6.0
 Paradox 3.5

Desk Top Publishers:

Ventura Publisher v1.1

Spreadsheets:

Lotus 1-2-3 v1a, 2.01, 2.02
 Borland Quattro v1.0, Pro
 *PC-Calc+ v1.0, v2.0
 *As-Easy-As v.3.0

Diagnostics:

PC Tools Deluxe
 Norton Utilities 6.0
 CheckIt
 Spinrite II

Languages:

IBM PC GKS v1.0
 GW Basic, MS Basic
 Turbo Assembler 2.0
 Turbo Pascal v4.0, v6.0
 Turbo C v1.5, C++
 Microsoft C v5.0
 MS Fortran 4.1
 IBM Fortran v2.0
 IBM Pascal v2.0, MS Pascal 4
 IBM Macro Assembler v2.0
 Microsoft Assembler v5.0
 Meridian Ada 2.1
 *FModula2 v1.0
 *PD Prolog v1.91
 DRI C v1.0
 *Xlisp v2.0

Word Processors:

*PC-Write v3.02
 *PC-Lite 1.02
 MS Works 1.05
 MS Word v4.0
 WordPerfect v5.0, v5.1
 WordStar Professional 3.31
 Professional Write 2.01

Graphics:

Generic CADD
 Harvard Presentation Graphics
 Inset 2.1
 Microsoft Paintbrush v.4.0
 PaintShow Plus
 Graph-in-the-Box
 Presentation Plus
 Presentation Partner
 PrintShop & Companion
 Mathematics/Statistics:
 *RURCI (Calculus)
 PC:SOLVE
 Statistical Navigator
 SPSS/PC+ v.4.01

Misc:

Desqview v1.0
 Q & A v3.0
 PC Browse
 Grammatik 2.0
 PICK
 The Author
 Quest
 Notebook II
 Clean, Scan v86
 Lap Link Pro

PC Windows Software:

Spreadsheet:

Excel 2.01

Misc:

Asymetrix Toolbook v1

Desktop Publisher:

Ventura for Windows 3.0

Macintosh Software:

Telecommunications:

*Kermit v0.9(40)

Desktop Publishers:

PageMaker v3.0, 4.0
 Ready, Set, Go v4.0

Misc:

Norton Utilities for Mac

Languages:

Lightspeed C v1.0
 Lightspeed Pascal v1.0

Spreadsheets/Stats:

Microsoft Excel v.1
 SAS JMP IN v1.0.
 Mystat v2.1

Word Processors:

MacWrite
 MS Word v4.0

Graphics:

Mac Paint
 SuperPaint 2.0

* indicates the software is shareware or public domain.

Most holdings are single copies of programs for individual use in evaluation and demonstration. They are available from the User Services Coordinator, M-F, 8 am-5 pm for use at ACS.

DIAL Access Phones

From any phone:

300/1200 baud	637-2181
300/1200 Equinox	637-2191
2400 baud	637-2188
9600 baud	637-2180
300/1200 Microvax	395-5762

From on-campus phones only:

300/1200 baud	ext. 2181
300/1200 Equinox	ext. 2191
2400 baud	ext. 2188
9600 baud	ext. 2180

Set communications parameters to:

Full duplex, Parity=MARK or NONE,
7 data bits, 1 stop bit.

Prime Status Line 395-2390
(A recorded message giving the current
status/availability of the Prime)

ACS Hours

ACS-Drake Lab	x2479
Monday-Thursday	8 am - 11 pm
Friday	8 am - 9 pm
Saturday	1 pm - 9 pm
Sunday	1 pm - 11 pm

ACS-Cooper C29 Lab	x2247
Monday-Thursday	8 am -11 pm
Friday	8 am - 9 pm
Saturday	1 pm - 9 pm
Sunday	1 pm -11 pm

These hours subject to change, based
on availability of student employees.

ACS Staff


Brian Volkmar, Systems Manager
Office: ACS AC-3, ext. 2417

Mary Jo Orzech, User Services Coordinator
Office: ACS AC-11, ext. 2368

Anne Parsons, Computing Labs Coordinator
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Drake AC-6

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