

# RUTGERS

## **CAMDEN COMPUTING SERVICES**

### **ANNUAL REPORT**

#### **FY 2008/2009**

#### **Appendices**

David L. Gwalthney  
Director  
Camden Computing Services  
September 11, 2009

## APPENDIX A - CAMDEN EQUIPMENT

### Business & Science Bldg

Sun Fire V440 Server [3]  
Sun Fire 280R Server [2]  
Sun Fire v240 [2]  
Dell PowerEdge Linux Server [22]  
Linux Servers [4]  
    Supporting Windows Servers [7]  
Dell Optiplex GX1 Server [1]  
Dell PowerEdge 2500 Server [1]  
Dell PowerEdge Windows Server [4]  
Dell Optiplex Windows Server [3]  
Dell PowerEdge 2850 Server [1]  
HP Duo/2.4 Mhz Dual Boot [41]  
HP Duo/2.4 Mhz [52]  
Apple iMac [3]  
HP Laser Printers [6]  
HP Color Laser Printer [1]

### Paul Robeson Library

Apple iMac [3]  
  
Dell P4/3.2 Ghz [36]  
HP Laser Printers [4]  
HP ScanJet [1]  
Dell Optiplex Linux Server [1]

### Housing

Dell Duo/2.4 Mhz [14]  
HP Laser Printer [1]  
Dell Laser Printer [1]  
Dell Optiplex Linux Server [1]

### Law School

Dell P4/11.8 Ghz scattered [20]  
HP Laser Printers [4]  
HP Color Laser Printer [1]  
Dell PowerEdge W2000 Server [1]

### Campus Center

Dell Duo 3.0 Ghz [30]  
Apple iMac [4]  
HP Duo/3.0 Mhz Dual Boot [2]  
HP Laser Printers [3]  
HP Color Laser Printer [1]  
HP ScanJet [1]  
Dell Optiplex Linux Server [1]

### Science Vision Supported

Compaq Alpha ES45 [2]  
Sun Blade 100/150 WS [2]

### High Performance Lab

HP dc7800 [12]

## APPENDIX B - SERVER CONFIGURATION - CAMDEN

### Sun

#### Sun Fire V440 (clam - student system)

Processor: (4) Sun SPARC chip (Risc-based 1062 MHz)  
Operating System: Solaris 9 (Unix)  
Configuration: 8192 meg RAM

#### SPARC Sun Fire 280R (crab – faculty/staff server)

Processor: 2 UltraSparc III+  
Operating System: Solaris 9 (Unix)  
Configuration: 4 gig RAM

#### SPARC Sun Fire 280R (crabserv – Secure Staff System, RADIUS, DNS, NIS)

Processor: 2 UltraSparc III+  
Operating System: Solaris 9 (Unix)  
Configuration: 4 gig RAM

**CONT. APPENDIX B – SERVER CONFIGURATION – CAMDEN**

Sun V440 (hpc)

Processor: 4 UltraSparc III+  
Operating System: Solaris 9  
Configuration: 4 gig RAM

**WINDOWS VIRTUAL SERVERS 2000/2003**

CAMDEN-801 linux virtual server

System: Dell PowerEdge 1900

Hosting:

BSBPC96 Test Server, WEB server, Apache Tomcat server, Streaming Video in BSB 124  
Operating Systems: Windows 2003 server (WEB server, WINS server, Windows Media Services)

BSBPC96B AccuTrack Server  
Operating Systems: Windows 2003 server (WEB server)

CAMDEN-802 linux virtual server

System: Dell PowerEdge 1900

Hosting:

CAMDEN-21 WEB server, WINS server, Keyserver, Apache Tomcat server, Streaming Video in  
BSB 114  
Operating System: Windows 2003 (WEB server, WINS server, Windows Media Services)

CAMDEN-NT2XB Main Labs BSB, CCC & Dorms server, file server in BSB 114  
Operating System: Windows 2003

CAMDEN-803 linux virtual server

System: Dell PowerEdge 1900

Hosting:

CAMDEN-304 File server, Keyserver, file backup server in BSB 114  
Operating System: Windows 2003

CAMDEN-NT2X Main Labs BSB, CCC & Dorms server, file server in BSB 114  
Operating System: Windows 2003

CAMDEN-nt6-host linux virtual server

System: Dell PowerEdge SC1420

Hosting:

CAMDEN-NT6 Faculty and staff server – print server, file server, database storage in BSB 114  
Operating System: Windows 2003

CAMDEN-NT4

System: Alteris image server in BSB 124  
Dell Optiplex GX1  
Processor: Intel Pentium II (450 mhz)  
Operating System: Windows 2000  
Configuration: 128 meg RAM  
1 IDE Hard Drive - 6 gig internal  
1 CD-ROM drive & 1 3.5 inch HD floppy disk drive

**CONT. APPENDIX B – SERVER CONFIGURATION – CAMDEN**

CAMDEN-NT5 Image storage server in BSB 124  
System: Dell PowerEdge 2500  
Processor: Intel Pentium III(1.26 ghz)  
Operating System: Windows 2000  
Configuration: 1gig RAM  
5 SCSI Disk Drives - 72 gig internal  
1 CD-ROM drive  
1 DVD writer dual-layer external  
1 3.5 inch HD floppy disk drive

**LINUX SERVERS**

5 x Dell SC1425 (clammail - email)

Processor: Dual P4 3.2  
Operating System: Debian Etch  
Configuration: 2 gig RAM

6 x Dell SC1950 (crabmail - email)

Processor: Quad Core 2.3  
Operating System: Debian Lenny  
Configuration: 2 gig RAM

Dell Poweredge 2950 (fugu – webmail)

Processor: 2 x Quad Core 3.0  
Operating System: Debian Etch  
Configuration: 8 gig RAM

Dell Poweredge 2950 (smelt – web proxy)

Processor: 2 x Quad Core 3.0  
Operating System: Debian Etch  
Configuration: 8 gig RAM

Dell Poweredge 2950 (deepblue – FAI/cfengine/dnsbl)

Processor: 2 x Quad Core 2.33  
Operating System: Debian Etch  
Configuration: 8 gig RAM

Dell Poweredge 2950 (shad – web server)

Processor: 2 x Quad Core 3.0  
Operating System: Debian Etch  
Configuration: 8 gig RAM

Dell SC1425 (clamserv – DHCP, DNS, NIS)

Processor: Dual P4 3.0  
Operating System: Debian Etch  
Configuration: 4 gig RAM

Dell PowerEdge 2600 (betta-host - Test CMS)

Processor: Dual Pentium XeonHT 2.6 GHz  
Operating System: Debian Linux (Sarge)  
Configuration: 2 GB RAM

**CONT. APPENDIX B – SERVER CONFIGURATION – CAMDEN**

Dell PowerEdge SC1425 (hadal - deepblue mirror/local print service)

Processor: Dual Intel Xeon 3.2 GHz  
Operation System: Debian Linux (Sarge)  
Configuration: 4 GB RAM

Dell PowerEdge SC1425 (camdenlogs - syslog server)

Processor: Dual Intel Xeon 3.2 GHz  
Operating System: Debian Linux (Sarge)  
Configuration: 2 GB RAM

Dell PowerEdge SC1425 (camdenapps - X11VNC)

Processor: Dal Xeon 3.2 GHz  
Operating System: Debian Linux (Sarge)  
Configuration: 4 GB RAM

Dell PowerEdge SC1420 (bsbprinters – BSB print server)

Processor: 1 Intel Xeon Irwindale 3.0 GHz CPU  
Operating System: Debian Linux (Sarge)  
Configuration: 1GB RAM

Dell Optiplex GX280 (cclprinters - campus center print server)

Processor: 1 Intel Pentium 4 3.4GHz CPU  
Operating System: Debian Linux (Sarge)  
Configuration: 1GB RAM

Dell Optiplex GX400 (prlibprinters - library print server)

Processor: 1 Intel Pentium 4 1.8GHz CPU  
Operating System: Debian Linux (Sarge)  
Configuration: 768MB RAM

Dell Optiplex GX400 (dormprinters - dorm print server)

Processor: 1 Intel Pentium 4 1.8GHz CPU  
Operating System: Debian Linux (Sarge)  
Configuration: 512MB RAM

**SERVERS ADMINISTERED BY CAMDEN COMPUTING SERVICES**

Science Vision Project Servers :

hpc – (1) Sun Fire V440s with 4 UltraSPARC-IIIi CPUs, 8192 meg RAM, hardware RAID, running solaris 9

Chemistry NMR servers:

(2) Sun Blade 100/150 systems running Solaris 9. Connected to MRI device.

Chemistry/Physics farm:

(2) HP/Compaq Alpha ES45 systems – Quad CPUs, 4 and 8 gig RAM, running Tru64 Unix V5.1A

Chemistry Gaussian server:

(4) HP ProLiant DL160 G5 2xQuad Core Xeon, 8 gig RAM, running Debian Linux

Exchange Server (camexch-vm):

Dell PowerEdge 2850 - DualCore Xeon, 4 gig RAM, running Debian Linux as host OS with VMware Server

Dell PowerEdge 2950 - 2xQuad Core Xeon, 8 gig RAM, running Debian Linux as host OS with VMware Server

## **APPENDIX C – SOFTWARE**

### **SUN Software**

C; C++ (Object Oriented version of C)  
cc  
GCC (Ansi version of C)  
G++  
FORTRAN 90; FORTRAN 77  
LISP; Prolog  
Java  
Perl  
Python  
Forte Compiler Suite  
CDE (common desktop environment)  
Communications (kermit, telnet, ftp, finger, rlogin, talk, ytalk, irc, ssh)  
Mail Packages (Pine, Mozilla)  
Editors - full screen (emacs, vi, editor, xedit, axe, pico)  
Debuggers (dbx, ctrace, gdb)  
lush (menu system)  
tutorials/help (man pages, xman, help)  
graphics (gnuplot, graph/plot)  
X tools (xcalc - calculator, xclock, xterm, xfonts)  
mail tools (biff, xbiff, xbiff++)  
multi-media tools (audiotool, xmms)  
print tools (lpr, lpq, lpc, enscript, printers, print)  
text processors (tex, xtex, latex, amstek, latex2html, ghostscript, ghostview, dvips)  
file manager and desktop manager (Mac-like interfaces)  
network tools (ping, host, rup, rusers, traceroute, top, netsearch, nfwatch)  
dictionaries/thesaurus/spell checkers (dict, spell, ispell)  
administrative tools (NFS, NIS, DNS, rats, gtbackup, ntp, tftpboot, cron, dhcp)  
security tools (tripwire, nmap, nessus, logcheck, snoop)  
Stats/Math (SAS, Maple, xmaple, Mathematica, Geomview, cgal, leda, matlab)  
Chemistry Tools (WebMO, VNMR)  
Internet Tools (Mozilla, Firefox, lynx, wget)  
nedit (editor)  
gimp (image processor)  
spim/xspim (simulation)  
realplayer/helixplayer (real audio/video)  
adobe acroread  
StarOffice  
g98, g03 (chemistry use)  
php  
mySQL

### **PC Software**

#### **Business**

Microsoft Office 2003 & Office 2007 – Excel, PowerPoint, Access; Microcase; MS Project; Quantitative Methods Systems; WinQSB; QM-Win; QM ver2; Arcview/agis; MS OrgChart; MS Visual FoxPro; Open/Star Office

#### **Communications**

SSH Telnet; Putty Secure Telnet/FTP; WEB Browsers: Seamonkey, Internet Explorer, Firefox; Thunderbird; Web page editor – NVU, Seamonkey/Mozilla, Dreamweaver, MS FrontPage 2003, FrontPage Express; AIM Express; WEB Mail; My Rutgers Portal Icon; AIM; Trillian; GAIM; iTunes/IPOD; Outlook; Pidgin

## **CONT. APPENDIX C – SOFTWARE**

### **PC Software (cont.)**

#### Graphics

Hijaak pro; Paintbrush; Photofinish; Photostyler; MS Photo Editor; MS Photo Draw; IrfanView; Adobe Photoshop Album; MS Photo Story; Microsoft Producer; MS HTML Slideshow Wizard; IrfanView; MS Movie Marker; GIMP; J-image; Adobe Creative Suite 3

#### Languages

Basic/Qbasic; C++; Visual Basic 6; TrueBasic; MzScheme (LISP); R; Python

#### Simulation

PowerLab – Chart4, Scope; Foundations of EFM

#### Statistics

Sps 16/17; SAS 9.1; Microcase (Full, workbook 1998, Criminology, Discovering Sociology, Research Methods); SPSS 11 (Student); MEGAStat Excel helper

#### Tutorials

Chemistry group; Physics group; ChemSite for Windows; FrontPage Express Tutorial; Alchemy; Raswin32; Chemdraw; PEP8; Maple; Mathematica; Matlab

#### Wordprocessing

MS Word 2003 & 2007; Wordpad; MS Edit; MS Publisher 2003 & 2007; Latex (MikTex)

#### Utilities

Altiris; Aladdin Expander; MS Works (converter); WEB drive; JIniator; WriteNCite; Audacity

#### Players & Plugins

Acrobat Reader; Quicktime; RealPlayer; Windows Media Player; MacroMedia -Flash, Shockwave and Authorware Web Player; DivX; Autodesk Express; DWG Viewer; DWF Viewer; ModelPress ViewerDjVuControl; JAVA; Photo Story Codecs; MDL Chime; Scorch Music Note Player; MS Media Encoder; ebrary Reader; SealedMedia; Adobe DRM activate

#### Maintenance

TrendMicro, Cleanup40, Spybot, Ad-Aware, Win Patrol, MS AntiSpyware, Rootkit analysis, Spy Blocker, Clam-AV, PC Cleaner CD

### **Mac Software**

Internet Access: iChat, Internet Connect, Mail, Safari, Sherlock, Firefox, NVU, Opera, Thunderbird, Yahoo! Messenger, SSH, sftp, MS Entourage, Adium

General Apps: Mac OS 10.4.5, Address Book, Calculator, Chess, Datebook, Dictionary, DVD Player, iCal, Image Capture, iSync, iTunes, Stickies, Quicktime, ClamXav, Stuffit, python, Dr. Python IDE

Word Processing: Text Edit, Open Office/NeoOffice, MS Office

Scientific: Maple, Mathematica, Matlab, drpython, adium

### **SciVis/Fine Arts Software**

GCC/CC

C++

G++

F90

Communications (ssh, sftp, samba)

Chemistry Tools (Gaussian98, Gaussian03, GaussView)

**APPENDIX D - SUN SYSTEM UTILIZATION****Sun 80 Server - clam  
(student system)**

| <u>YEAR</u>  | <u>Number<br/>of Sessions</u> | <u>CPU Mins</u> | <u>Connect Minutes</u> |
|--------------|-------------------------------|-----------------|------------------------|
| FY 2000/2001 | 324,954                       | 123,645         | 3,501,595              |
| FY 2001/2002 | 224,311                       | 195,278         | 3,600,799              |
| FY 2002/2003 | 144,826                       | 110,826         | 2,823,482              |
| FY 2003/2004 | 88,334                        | 85,400          | 2,059,606              |
| FY 2004/2005 | 75,400                        | 259,926         | 1,503,072              |
| FY 2005/2006 | 54,509                        | 60,013          | 4,627,770              |
| FY 2006/2007 | 36,302                        | 109,756         | 4,797,542              |
| FY 2007/2008 | 11,308                        | 83,724          | 1,790,218              |
| FY 2008/2009 | 8,137                         | 67,824          | 1,447,773              |

**Sun Server - crab  
(faculty/staff system)**

| <u>YEAR</u>  | <u>Number<br/>of Sessions</u> | <u>CPU Mins</u> | <u>Connect Minutes</u> |
|--------------|-------------------------------|-----------------|------------------------|
| FY 2000/2001 | 131,785                       | 48,015          | 4,062,151              |
| FY 2001/2002 | 127,190                       | 74,888          | 5,229,143              |
| FY 2002/2003 | 110,737                       | 57,385          | 6,234,270              |
| FY 2003/2004 | 84,285                        | 52,684          | 4,811,806              |
| FY 2004/2005 | 102,703                       | 97,504          | 5,005,041              |
| FY 2005/2006 | 78,973                        | 45,310          | 5,105,075              |
| FY 2006/2007 | 47,470                        | 42,898          | 3,888,752              |
| FY 2007/2008 | 38,463                        | 53,379          | 2,927,372              |
| FY 2008/2009 | 32,501                        | 405,150         | 3,618,542              |

**APPENDIX E - SOLARIS (UNIX) COMMANDS**

Unix Commands (top)

|                | 06/07       |             | 07/08       |             | 08/09       |             |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <u>Command</u> | <u>Clam</u> | <u>Crab</u> | <u>Clam</u> | <u>Crab</u> | <u>Clam</u> | <u>Crab</u> |
| cc             | 3,301       | 186         | 2700        | 2136        | 1254        | 1371        |
| cc1            | 14,900      | 8,935       | 8999        | 5158        | 2330        | 314         |
| cc1plus        | 46,728      | 4,609       | 6132        | 6903        | 1912        | 1           |
| CC(c++)        | 5,370       | 3,442       | 3325        | 2959        | 33          | 37          |
| emacs          | 28,933      | 1,625       | 4435        | 815         | 2600        | 642         |
| f77            | 168         | 37          | 15          | 0           | 0           | 158         |
| f90            | 505         | 18          | 352         | 4           | 0           | 0           |
| G77            | 37          | 46          | 27          | 0           | 0           | 0           |
| gcc            | 16,000      | 9,659       | 9808        | 5292        | 2556        | 337         |
| g++            | 45,509      | 4,636       | 6011        | 7165        | 1754        | 1           |
| Pine           | 21,391      | 134,673     | 7196        | 141548      | 10132       | 113546      |
| Pico           | 12,316      | 7,805       | 3715        | 5240        | 3228        | 10719       |
| Vi             | 2,841       | 6,860       | 3185        | 6382        | 2427        | 3422        |

**APPENDIX F – MICROCOMPUER SOFTWARE USAGE BY CATEGORY**

|                                | 03/04   | 04/05   | 05/06   | 06/07   | 07/08   | 08/09   |
|--------------------------------|---------|---------|---------|---------|---------|---------|
| <b>Business</b>                | 70,094  | 60,408  | 70,061  | 92,540  | 73,728  | 77,000  |
| <b>Communications</b>          | 489,286 | 599,031 | 632,738 | 727,853 | 340,180 | 311,113 |
| <b>Graphics</b>                | 21,993  | 34,680  | 7,106   | 6,809   | 5,895   | 4,747   |
| <b>Language</b>                | 5,014   | 2,749   | 2,553   | 1,692   | 1,163   | 1,440   |
| <b>Plug-ins</b>                | 546,553 | 169,337 | 107,750 | 150,811 | 26,613  | 19,385  |
| <b>Statistics</b>              | 7,621   | 10,839  | 8,169   | 8,285   | 6,874   | 6,851   |
| <b>Tutorial &amp; Research</b> | 1,927   | 1,899   | 2,219   | 3,095   | 2,550   | 3,282   |
| <b>Utility</b>                 | 5,129   | 2,644   | 3,574   | 4,757   | 62,749  | 6,497   |
| <b>Word Processing</b>         | 180,338 | 167,082 | 177,735 | 207,353 | 208,867 | 155,795 |

**APPENDIX G – SCIENCE VISION (TRU64/SOLARIS/LINUX) COMMANDS**

| SciVis Commands:    | 03/04 | 04/05 | 05/06 | 06/07 | 07/08 | 08/09     |
|---------------------|-------|-------|-------|-------|-------|-----------|
| logins -            |       |       |       |       |       |           |
| SSH                 | 7956  | 4449  | 2186  | 5181  | 2713  | 1599      |
| FTP/SFTP            | 2881  | 206   | 45    | 172   | 214   | 280       |
| compilers -         |       |       |       |       |       |           |
| CC                  | 11254 | 0     | 1717  | 2     | 95    | 0         |
| C++                 | 601   | 0     | 0     | 0     | 0     | 0         |
| GCC                 | 3626  | 1     | 2547  | 0     | 0     | N/A       |
| G++                 | 550   | 0     | 0     | 0     | 0     | 0         |
| F90                 | 8533  | 552   | 11    | 45    | 50    | 40        |
| Chemistry -         |       |       |       |       |       |           |
| GaussView           | 484   | 477   | 282   | 305   | 92    | 74        |
| G98                 | 1312  | 1139  | 680   | 357   | 9     | 1         |
| G03                 | 1313  | 467   | 2053  | 2402  | 1985  | 1244      |
| Samba (/Mac) logins | 6316  | 5268  | 7238  | 13103 | 5070  | 4284/3104 |

**APPENDIX H - HELP DESK CONSULTATIONS**

| <u>Fiscal Year</u> | <b>Campus Center</b> |                    | <b>Business &amp; Science</b> |                    |
|--------------------|----------------------|--------------------|-------------------------------|--------------------|
|                    | <u>Consultations</u> | <u>Phone Calls</u> | <u>Consultations</u>          | <u>Phone Calls</u> |
| FY 1999/2000       | 1,410                | 159                | 1,160                         | 227                |
| FY 2000/2001       | 1,472                | 194                | 2,442                         | 268                |
| FY 2001/2002       | 1,026                | 123                | 1,753                         | 147                |
| FY 2002/2003       | 1,209                | 217                | 1,978                         | 2,508*             |
| FY 2003/2004       | 1,479                | 287                | 2,933                         | 2,352*             |

| <u>Fiscal Year</u> | <b>CC &amp; BSB Combined</b> |                    |
|--------------------|------------------------------|--------------------|
|                    | <u>Tickets</u>               | <u>Phone Calls</u> |
| FY 2004/2005       | 2,478                        | NA                 |
| FY 2005/2006       | 3,030                        | 2,867              |
| FY 2006/2007       | 4,330                        | 2,714              |
| FY 2007/2008       | 4,030                        | 3,505              |
| FY 2008/2009       | 3,712                        | 3,574              |

**CONT. APPENDIX H - HELP DESK CONSULTATIONS**

**Email Messages** sent to help@camden email list

|              |       |
|--------------|-------|
| FY 1999/2000 | 1,246 |
| FY 2000/2001 | 2,199 |
| FY 2001/2002 | 2,420 |
| FY 2002/2003 | 2,796 |
| FY 2003/2004 | 3,586 |
| FY 2004/2005 | 2,233 |
| FY 2005/2006 | 1,679 |
| FY 2006/2007 | 1,383 |
| FY 2007/2008 | 1,448 |
| FY 2008/2009 | 1,204 |

**APPENDIX I - CAMDEN TELECOMMUNICATION EQUIPMENT**

**Modems**

24 barry-cam Cisco AS5300 Access Server – All removed May 15,2009/Service terminated

**Campus Backbone Routers Qty**

|                |   |
|----------------|---|
| Cr01-bsb-bsb   | 1 |
| Cr01-armi-armi | 1 |

**Campus Backbone Switches Qty**

|                     |   |
|---------------------|---|
| Cisco Catalyst 3500 | 2 |
| Cisco Catalyst 4912 | 4 |

**Gateways** - Legacy Network – None

**Gateways** - RUNet 2000 Network

| <u>Name</u>      | <u>Subnets</u> |
|------------------|----------------|
| Ar01-bsb-bsb     | 24             |
| Ar01-sci-bsb     | 5              |
| Ar01-cmdncc-bsb  | 33             |
| Ar01-armi-armi   | 43             |
| Ar01-camlaw-armi | 14             |
| Ar01-prlib-armi  | 8              |
| Ar01-cama-bsb    | 6              |
| Ar01-camt-bsb    | 5              |

**APPENDIX J – SCANTRON OPTICAL SCANNER**

| <u>Fiscal Year</u> | <u># Uses PC/Par Score</u> | <u># Uses Unix /Quick Score</u> | <u># Users PC/Surveys</u> |
|--------------------|----------------------------|---------------------------------|---------------------------|
| 03/04              | 378                        | 475                             | 70                        |
| 04/05 *            | 163                        | 189                             | 6                         |
| 05/06              | 383                        | 369                             | 37                        |
| 06/07              | 329                        | 348                             | 24                        |
| 07/08              | 236                        | 402                             | 30                        |
| 08/09              | 319                        | 513                             | 12                        |

\* Log file for PC service destroyed accidentally for the year

**CONT. APPENDIX J – SCANTRON OPTICAL SCANNER**

**Departmental Breakdown - PC**

| <u>Department</u>         | <u>Par Score/<br/>Quick<br/>Score</u><br><u>04/05</u> | <u>Par Score/<br/>Quick<br/>Score</u><br><u>05/06</u> | <u>Par Score/<br/>Quick<br/>Score</u><br><u>06/07</u> | <u>Par Score/<br/>Quick<br/>Score</u><br><u>07/08</u> | <u>Par Score/<br/>Quick<br/>Score</u><br><u>08/09</u> |
|---------------------------|---|---|---|---|---|
| Anthropology              | 0/2   |   |   |   |   |
| Biology                   | 75/16   | 25/16   | 27/17   | 29/19   | 56/02   |
| Business                  | 20/46   | 10/71   | 4/67  | 3/59  | 2/83  |
| Chemistry                 | 11/3  | 20/19   | 7/3   | 0/7   | 1/4   |
| Computer Science          |   |   |   |   |   |
| Criminal Justice          |   | 0/02  | 0/3   |   | 1/10  |
| Education                 |   |   |   |   |   |
| English                   | 7/4   | 6/5   | 2/3   | 7/3   | 15/0  |
| Fine Arts                 |   |   |   |   |   |
| History                   |   |   | 0/1   |   | 0/3   |
| Language Arts             |   |   |   |   |   |
| Law                       | 0/8   | 0/06  | 0/09  | 0/6   | 0/9   |
| Marketing                 | 0/2   |   |   |   |   |
| Music                     |   |   |   |   |   |
| Nursing                   | 13/0  | 5/0   | 9/0   | 10/0  | 9/0   |
| Physics                   | 0/1   | 0/1   | 2/1   |   |   |
| Political Science         | 3/19  | 0/19  | 0/10  | 0/30  | 0/23  |
| Psychology                | 17/50   | 14/28   | 0/28  | 0/48  | 3/33  |
| Religion                  |   |   |   |   |   |
| Sociology                 | 17/38   | 11/24   | 6/22  | 5/20  | 8/27  |
| [unknown breakdown total] | *   | 383/369   | 329/348   | 236/402   | 319/513   |
| <b>Totals</b>             | <b>163/189</b>  | <b>91/191</b>   | <b>57/161</b>   | <b>60/192</b>   | <b>97/194</b>   |
|                           | <b>352</b>  | <b>282</b>  | <b>218</b>  | <b>252</b>  | <b>291</b>  |

\* No Statistics for this Fiscal Year

**APPENDIX K – MICROCOMPUTER INSTRUCTIONAL LABS**

| <u>USER</u>                               | <u>PURPOSE</u> | <u>TOTAL HOURS</u> |
|---|----------------|--------------------|
| 2008 SUMMER SESSION RESERVATIONS ROOM 108 |                |                    |
| Faculty (7)                               | Class          | 86.7               |
| Staff (3)                                 | Seminar        | 40.0               |
| Administration (1)                        | Seminar        | 8.0                |
| 2008 SUMMER SESSION RESERVATIONS ROOM 117 |                |                    |
| Faculty (5)                               | Class          | 56.7               |
| Staff (3)                                 | Seminar        | 11.0               |
| Administration (3)                        | Seminar        | 16.0               |
| 2008 SUMMER SESSION RESERVATIONS ROOM 133 |                |                    |
| Faculty (2)                               | Class          | 16.2               |

**CONT. APPENDIX K – MICROCOMPUTER INSTRUCTIONAL LABS**

|  |         |      |
|--|---------|------|
| 2008 FALL SEMESTER RESERVATIONS ROOM 108       |         |      |
| Faculty (2)                                    | Class   | 46.9 |
| Staff (1)                                      | Seminar | 14.0 |
| 2008 FALL SEMESTER RESERVATIONS ROOM 132/133   |         |      |
| Faculty (2)                                    | Class   | 79.9 |
| 2009 SPRING SEMESTER RESERVATIONS ROOM 108     |         |      |
| Administration (1)                             | Seminar | 1.5  |
| 2009 SPRING SEMESTER RESERVATIONS ROOM 132/133 |         |      |
| Faculty (1)                                    | Class   | 20.8 |

**APPENDIX L - EDUCATION SEMINARS**

| <u>COURSE</u>   | <u>ATTENDEES</u>       |
|---|------------------------|
| <b>2008 SUMMER SPECIAL REQUEST SEMINARS/TRAINING – CAMDEN</b> |                        |
| Incoming EOF students computing workshops 4 weekly sessions   | 50 (Ron)               |
| <b>2008 FALL SPECIAL REQUEST SEMINARS/TRAINING – CAMDEN</b>   |                        |
| Freshman/Non Traditional Orientation                          | 660 (Ron)              |
| Graduate Orientation  | 70 (Ron)               |
| MPA Orientation   | 12 (Ron)               |
| Student Consultant Training (August, 2008)                    | 17 (A,R,N,B)           |
| Student Consultant Training (October, 2008)                   | <u>4 (A,R,N,B)</u>     |
|   | 763                    |
| <b>2008 FALL EDSERIES</b>                                     |                        |
| Intro to Word 2007  | 4 (Ron)                |
| MS Outlook 2007   | 2 (Brian)              |
| MS Access 2007  | 10 (Brian)             |
| Scantron ES2800 (by appointment)                              | 3 (Ann)                |
| Intro to Excel 2007   | 12 (Ed)                |
| Intro to Excel 2007 Calculations                              | 7 (Ed)                 |
| Intro to Excel 2007 Projects                                  | 5 (Ed)                 |
| Intro to PowerPoint 2007                                      | <u>5 (Ron)</u>         |
|   | 48                     |
| <b>2009 SPRING SPECIAL REQUEST SEMINARS/TRAINING – CAMDEN</b> |                        |
| Transfer Orientation  | 50 (Ron)               |
| MPA Peace Corps. Overseas Meeting                             | 8 (Ron)                |
| Consultant Orientation (January, 2009)                        | <u>7 (A,R,N,B)</u>     |
|   | 65                     |
| Open House 9AM – 2PM  | 300 (Ron, Bill)        |
| Open House 9AM – 2PM (prospective students)                   | <u>200 (Ron, Bill)</u> |
|   | 500                    |
| <b>2008 SPRING EDUCATION SERIES - CAMDEN</b>                  |                        |
| Intro to PowerPoint 2007                                      | 6 (Ron)                |
| Intro to Word 2007  | <u>8 (Ron)</u>         |
|   | 14                     |

## APPENDIX M - DOCUMENTATION

Web page work dominated our documentation efforts this year.

### General Information Documentation

#### New

|  |              |
|--|--------------|
| 2009 Fac/Staff Technology Guide          | R. Thornton  |
| 2009 Student Technology Guide            | R. Thornton  |
| Using Smartclassroom equipment in BSB134 | N. Rohrman   |
| Using Smartclassroom equipment in NCR    | N. Rohrman   |
| Using Smartclassroom equipment in FA110  | N. Rohrman   |
| Using Smartclassroom equipment in SLH    | N. Rohrman   |
| Remote X Server Application              | C. Hynes     |
| Fall 2008 Update                         | D. Gwalthney |

#### Revised

(Major revisions only)

- Continued making revisions on the FAQs database.

|                            |             |
|----------------------------|-------------|
| Instructional Lab Info     | N. Rohrman  |
| Setup printing on MAC OS X | M. Kozak    |
| Dorm Consultant Check List | R. Thornton |

## APPENDIX N - ACCESS TO CAMDEN WEB SERVERS

|              | www.camden | Crab       | Clam       | Clamserv<br>(Proxy) |
|--------------|------------|------------|------------|---------------------|
| FY 1999/2000 | 10,633,592 | 2,879,150  | 2,185,628  | 41,101,431          |
| FY 2000/2001 | 16,689,708 | 4,601,949  | 2,534,282  | 60,696,880          |
| FY 2001/2002 | 24,637,414 | 7,553,895  | 4,973,173  | 31,258,789          |
| FY 2002/2003 | 28,989,787 | 9,391,920  | 4,082,218  | 38,795,406          |
| FY 2003/2004 | 34,202,928 | 14,083,304 | 7,283,879  | 61,253,185          |
| FY 2004/2005 | 41,692,119 | 17,172,542 | 12,645,298 | 99,379,104          |
| FY 2005/2006 | 48,612,752 | 15,113,810 | 12,135,834 | *18,250,332         |
| FY 2006/2007 | 55,398,311 | 17,213,865 | 8,176,998  | 21,989,458          |
| FY 2007/2008 | 44,361,468 | 15,329,215 | 2,124,272  | 31,797,213          |
| FY 2008/2009 | 55,923,634 | 13,384,576 | 1,636,895  | 190,684,205         |

\* No longer permitting Housing students to use this service to avoid the network traffic monitoring from their rooms.

### Web Statistics

Computing Services Current Active Web Files

| Fiscal Year  | Active Files |
|--------------|--------------|
| FY 1999/2000 | 2,465        |
| FY 2000/2001 | 46,002       |
| FY 2001/2002 | 46,580       |
| FY 2002/2003 | 46,763       |
| FY 2003/2004 | 34,901       |
| FY 2004/2005 | ** 7,571     |
| FY 2005/2006 | 7,583        |
| FY 2006/2007 | 9,314        |
| FY 2007/2008 | 6,394        |
| FY 2008/2009 | 6,441        |

\*\* New calculation - using the results of linklint scans in /services/WWW/HELP and /services/WWW/

**APPENDIX O - CAMDEN EMAIL USAGE**

**Email Messages -**

|              | <u>Student</u>  |                 | <u>Faculty/Staff</u> |                 | <u>Exchange</u> |                 |
|--------------|-----------------|-----------------|----------------------|-----------------|-----------------|-----------------|
|              | <u>Incoming</u> | <u>Outgoing</u> | <u>Incoming</u>      | <u>Outgoing</u> | <u>Incoming</u> | <u>Outgoing</u> |
| FY 1999/2000 | 2,611,537       | 2,371,606       | 2,067,844            | 1,864,137       |                 |                 |
| FY 2000/2001 | 2,744,457       | 2,550,314       | 3,430,806            | 3,155,753       |                 |                 |
| FY 2001/2002 | 4,260,678       | 3,818,620       | 5,782,927            | 5,014,901       |                 |                 |
| FY 2002/2003 | 5,781,659       | 4,965,373       | 7,295,615            | 6,869,186       |                 |                 |
| FY 2003/2004 | 11,647,377      | 12,954,537      | 9,597,771            | 16,918,046      |                 |                 |
| FY 2004/2005 | 11,124,742      | 13,117,525      | 25,024,433           | 40,402,105      |                 |                 |
| FY 2005/2006 | 21,877,896      | 22,251,816      | 52,141,032           | 93,834,301      |                 |                 |
| FY 2006/2007 | 44,607,325      | 51,152,035      | 74,783,970           | 108,669,345     |                 |                 |
| FY 2007/2008 | 50,819,968      | 45,780,332      | 82,095,502           | 46,276,523      | 2,453,976       | 4,826,646       |
| FY 2008/2009 | 1,6447,392      | 15,480,380      | 69,215,577           | 13,975,066      | 3,493,669       | 9,302,106       |

**Unique Users**

|              | <u>Student</u>  |                  |                | <u>Faculty/Staff</u> |                  |                |
|--------------|-----------------|------------------|----------------|----------------------|------------------|----------------|
|              | <u>POP Mail</u> | <u>IMAP Mail</u> | <u>Webmail</u> | <u>POP Mail</u>      | <u>IMAP Mail</u> | <u>Webmail</u> |
| FY 1999/2000 | 593             | 613              |                | 374                  | 113              |                |
| FY 2000/2001 | 522             | 1,160            |                | 376                  | 173              |                |
| FY 2001/2002 | 357             | 1,852            | 659            | 408                  | 372              | 172            |
| FY 2002/2003 | 291             | 3,047            | 2,204          | 411                  | 476              | 342            |
| FY 2003/2004 | 144             | 2,680            | 2,564          | 375                  | 454              | 424            |
| FY 2004/2005 | 113             | 3,969            | 3,298          | 394                  | 644              | 496            |
| FY 2005/2006 | 92              | 4,485            | 3,593          | 316                  | 723              | 548            |
| FY 2006/2007 | 46              | 2,836*           | 3,994          | 183                  | 276*             | 564            |
| FY 2007/2008 | 46              | 3,427            | 3,773          | 132                  | 300              | 533            |
| FY 2008/2009 | 60              | 4,470            | 4,432          | 118                  | 336              | 485            |

\* does not include IMAP connections from webmail users

**APPENDIX Q - VIRUS' BLOCKED and SPAM IDENTIFIED VIA EMAIL**

|              | <u>Virus</u> | <u>Spam</u> |
|--------------|--------------|-------------|
| FY 2001/2002 | 58,939       | N/A         |
| FY 2002/2003 | 104,415      | 169,062*    |
| FY 2003/2004 | 420,475      | 1,968,554   |
| FY 2004/2005 | 709,259      | 6,442,952   |
| FY 2005/2006 | 749,904      | 36,434,775  |
| FY 2006/2007 | 1,032,253    | 67,779,701  |
| FY 2007/2008 | 175,035      | 82,415,930  |
| FY 2008/2009 | 1,890,771    | 35,067,269  |

\*April, May, June only

**APPENDIX R - SMART CLASSROOM SUPPORT**

**Smart Classroom Statistics**

|                 | <i>AV Requests:</i> | specific | semester | HDRT Tickets | # of Rooms |
|-----------------|---------------------|----------|----------|--------------|------------|
| FY 2003/2004 ** |                     | 16       | 28       | *34          | 36         |
| FY 2004/2005    |                     | 46       | 14       | 145          | 47         |
| FY 2005/2006    |                     | 16       | 8        | 151          | 61         |
| FY 2006/2007    |                     | 10       | 1        | 229          | 63         |
| FY 2007/2008    |                     | 6        | 0        | 228          | 64         |
| FY 2008/2009    |                     | 4        | 1        | 227          | 64         |

\* Help Calls – HDRT not in production at this time

\*\* March, April, May, June

**APPENDIX S - ADMINISTRATIVE PRINTING**

| <u>Fiscal Year</u> | <u>Pages Printed</u> |
|--------------------|----------------------|
| 99/00              | 165,359              |
| 00/01              | 268,610              |
| 01/02              | 306,785              |
| 02/03              | 319,409              |
| 03/04              | 298,514              |
| 04/05              | 234,600              |
| 05/06              | 97,972               |
| 06/07              | 104,958              |
| 07/08              | 51,516               |
| 08/09              | 38,763               |

**APPENDIX T – WIRELESS ACCESS**

| <u>Fiscal Year</u> | <u># Logins</u> | <u># Unique Users</u> | <u># Access Points</u> |
|--------------------|-----------------|-----------------------|------------------------|
| 03/04              | 6,668           |                       | 31                     |
| 04/05              | 15,986          |                       | 31                     |
| 05/06              | 46,116          |                       | 138                    |
| 06/07              | 77,031          |                       | 201                    |
| 07/08              | 124,916         | 2,042                 | 228                    |
| 08/09              | 185,893         | 2,500                 | 250                    |

**APPENDIX U - CAMDEN STAFF CHART**

