

William E. (Bill) Stover
wstover@bellsouth.net



My Web Sites

<http://www.trabzonairstation.com>

<http://www.trabzonairstation.net>

<http://www.vvachapter1004.org>

<http://www.ussbrinkleybassdd887.com>

Enterprise Sites – Under Construction

<http://www.smokeystover.net>

<http://www.web-age-designs.com>

CoverLetters/Resume/WorkHistory/Training/Education

<http://www.web-age-designs.com>

Relevant Experiences

Licenses/Commissions

**1975/76 - Licensed Insurance Agent/All Lines –
Washington State – Farmer’s Group**

**1995/96 - Licensed Insurance Agent/All Lines –
California State – Farmer’s Group**

**1999/2000 – Associate Information Systems Analyst –
California Energy Commission – State of California**

**2004/2006 – Licensed Associate Real Estate Broker –
Tennessee State – C&D Realty – Lebanon, TN**

Sole Proprietorships

**1991/94 – Operated Smokey Stover’s Small Systems –
Built, Sold, and Maintained 100’s of IBM Compatible
PCs/Systems – in Lancaster, Los Angeles County, CA**

**2002/2005 – SSCISCOM/SmokeyStover.Com - Sold,
Built, and Maintained Small Networks, PCs, and 2Way-
High Speed-Internet-Satellite Systems. Major
Customer – Homeland Security/First Response Units
including OEM, Fire, and Police Command Vehicles. Also
large Library Systems – Remote Book Mobiles**

Creative Moon-Lighting

**1983/84 – Consultant to the Petro-Chemical Industry –
Refineries in Bakersfield, CA**

Veteran of Foreign Wars – Viet Nam
1964/1968 – USS Brinkley Bass DD-887
Member – Viet Nam Veterans of America

My Web Sites

<http://www.ussbrinkleybassdd887.com>

<http://www.vvachapter1004.org>

Historian/Web Manager

<http://www.ussbrinkleybassdd887.com>

<http://www.vvachapter1004.org/webmanager.htm>

My Books – Intro

<http://www.web-age-designs.com/indexbooks.htm>

Veteran of the 'Cold War'

1962/63 – Trabzon Air Station, Trabzon Turkey

My Web Sites

<http://www.trabzonairstation.com>

<http://www.trabzonairstation.net>

Historian/Web Manager/My Postings

<http://www.trabzonairstation.com>

<http://www.trabzonairstation.net>

<http://www.smokey-stovers-place.com>

My Books – Intro

<http://www.web-age-designs.com/indexbooks.htm>

William E. (Bill) Stover
wstover@bellsouth.net
Information Systems Analyst
Computer Field Engineer

I am available now. I have all the right stuff to help you build a world class Staff and/or Systems Support Group for your organization.

As Senior Field Engineer for a number of very large computer manufacturers, I maintained many large, medium, and small systems for hundreds of Customers including Colleges, Universities, Governments, Military Installations, Hospitals, Banks and Clearing Houses, Small, Medium, and Large Businesses in the Petro-Chemical and other Industries.

As Project Manager for the University of Southern Cal (USC), Information Sciences Institute (ISI), I Supervised the Installation and Maintenance of very large Digital Systems for the United States Navy at Camp Smith in Hawaii. The 'System' was a Top-Secret Military Messaging System that provided communications between the Generals and Admirals who were the Commanders of the Military Branches in the Pacific. We took 13 Programmers, Field Engineers, and Operators from CA, and hired a number of local 'Specialists' and spent one year in Installing, Testing, and Maintaining the 'System' which operated on the 'New Network', the 'DARPANET' or 'ARPANET' which was the 'Research Network' that eventually became the 'Internet'. All 'Protocols' such as TCP and IP were developed by USC/ISI, Stanford Research Institute (Stanford University) and other Universities and Government Agencies during that period of COMPUTER/COMMUNICATIONS EVOLUTION.

As Process Control Manager at Georgia-Pacific Corp, I was responsible for Installing and Maintaining all Computerized Process Systems in the Paper Products Division. I set up one of the first Computerized Maintenance and Management Information Systems to use the PC as its Platform. As Training Manager, I produced Training Packages, Taught in Classroom Settings the packages that I produced, Trained other Trainers, and Traveled between four Plants while Training Plant and Office Personnel in the Operation and Maintenance of all Plant and Office Equipment.

While employed at CA-DWR (State Water Project), I functioned as Control Systems Technician (Lead) in Power and Pumping Plants, and as LAN (Local Area Network) Administrator (250 Servers/Work Stations – 35 Facilities – 180 Mile Reach) for a number of years. For three years, I maintained the Pyramid Lake Visitor Center near Warne Power Plant. The Center provided Audio Visual Information in a number of mediums for Tourists. I maintained the Network, Closed Circuit TV, Ceiling Mounted Big Screen Projection Systems, Audio Systems, PCs, Fiber Optics Infrastructure, Phone Systems, and Apple Driven Kiosks (Integrated Information Systems).

As employee of the California Energy Commission, Information Systems Analyst, I helped in the organization and then the operation of the Help Desk which handled calls from 540 very sophisticated Network/PC Users in a 5 story building in downtown Sacramento and then completed much of the Customer/User Support and Training during an extensive, 6 month upgrade project. From June 1999 to June 2001 I was LAN Administrator / Information Systems Analyst / Helpdesk Analyst for each of three departments of the State of California.

From January 2000 to May 2000 and again from Aug 2001 to May 2002, I taught night school in Bakersfield, CA. The Class was the Fourth Year, First and Second Semesters, Electrical Apprentices from the IBEW Electrical Apprenticeship Program. The Course was Advanced Electronics, Process Control and Instrumentation. Taught Basic PLC Programming (Allen-Bradley SLC 5/xx), 4-20ma Current Loop, Standard Instrumentation, Including Sensors, Transmitters, Calibration, I/P, P/I, and usage of Test and Calibration Equipment. Taught Basic Computer Maintenance, Programming, and Operations including Hardware and Software, Operating Systems, Networking and Applications.

Since relocating to Tennessee, I have built and maintain a Mobile Office and Maintenance Facility with a Networked-2 Way-High Speed-Internet-Satellite System-(Broadband Anywhere/Anytime) which I used when traveling to remote areas to install Small Networks and High Speed Internet Satellite Systems. I have completed a 4000 SQFT Office/Shop which houses a complete Network with Systems as many as 15 PCs at any given time. I have spent three years Selling, Delivering, Installing and Maintaining Small Networks and 2 Way-High Speed-Internet-Satellite Systems on all Homeland Security Command Vehicles for OEM, Fire, and Police First Response Vehicles within 50 miles of Metro/Nashville and large Library Systems Bookmobiles which provide Library Services to remote locations of Memphis/Shelby County. I have been heavily involved in Web Site Development for the passed year.

I can bring all necessary tools, books, contacts, and directly applicable experience in all fields (HW / SW / NW / Op Sys / Apps and Suites) to help train your Staff in all areas of Computer Operations.

I can Analyze your needs, Configure existing or new systems, Maintain your Complete System Hardware and Software while Training your Personnel to adequately Service, Maintain, and Operate your Systems. I can be instrumental in the growth and maturing of your Staff and/or Systems Support Operation.

Please review the pages attached and give me a call or e-mail at the numbers and addresses listed above.

Thank you very much, and have a nice day,

William E. Stover
wstover@bellsouth.net

Employment History (Last 20 Plus Years)

William E. (Bill) Stover

wstover@bellsouth.net

**Married / 190 pounds / Excel Health / Mature / Competent / Confident
30+ yrs in Computer Industry / Financial / Business / Educational
Medical / Government / Always Employed / Leader / Motivated
High-Energy / Self-Starter / Productive / Ability to Finish / Thoroughly
Equipped / Depth of Experience / Teacher / Thoroughly Trained**

Employment History:

June 2005 to Present: Self Employed – Web Age Designs

Position: Computer Consultant/Web Developer

Duties: Owner/Operator Smokey Stover's Place. Jack of all trades.

Major Projects in Progress – Web Development.

July 2002 to Present: Sole Proprietor – *Smokey Stover's Small Systems*

SmokeyStover.Com and SSCISCOM

Sell, Build, Configure, Maintain Computer Systems and small

Networks. Sell, Install, Maintain 2 Way – High Speed – Internet –

Satellite Systems. Integrate Hardware and Software, PC

Systems/Networks and Internet Satellite Technologies to provide High

Speed – Always On – Anywhere – Anytime Internet Solutions to

Business and Individuals.

Jan 2002 to June 2002: Consultant – Contractor – Self Employed.

Computer/PC/LAN Administrator/Help Desk/Training Advisor. Plant

Maintenance/Instrumentation/PLC/Control Systems Maintenance.

Aug 2001 to May 2002 : Taught night school in Bakersfield, CA. The

Class was the Fourth Year, First and Second Semesters, Electrical

Apprentices from the IBEW Electrical Apprenticeship Program. The

Course was Advanced Electronics, Process Control and Instrumentation.

Taught Basic PLC Programming (Allen-Bradley SLC 5/xx), 4-20ma

Current Loop, Standard Instrumentation, Including Sensors, Transmitters,

Calibration, I/P, P/I, and usage of Test and Calibration Equipment.

Taught Basic Computer Maintenance, Programming, and Operations

including Hardware and Software, Operating Systems, Networking and Applications.

Jun 2001 to Jan 2002 : Control Tech. – CA – DWR // Maintain Process Control Systems/Instrumentation/Analog/Digital. Install/Maintain SCADA (Secure WAN/LAN) and all duties of a LAN Administrator and PC Support.

Jan 2001 to Jun 2001 : LAN Administrator – CA – DGS/OFA// Install/Maintain Windows NT and Windows 2000 Domain Controller Servers and Applications Servers and Workstations. Provide Support to all users, computers, networks, and applications.

Jun 2000 to Jan 2001 : PC Support/Helpdesk – CA – CEC // Install/Maintain Upgrade Workstation Hardware/Software. As an Associate Information Systems Analyst and Senior Team Member in the IT Department, I Shared Help Desk Duties with other Systems Analysts while Upgrading Hardware and Software on 540 Networked PCs in a 5 story building in Downtown Sacramento, CA. Assisted in the simultaneous Upgrade of components of the Network Infrastructure including Routers, Switches, Hubs, and Servers. Took the lead in Training all End-Users in the Use and Operation of all Hardware, Software, Operating Systems, and Applications Installed during the Upgrades.

Jan 2000 to May 2000 : Taught night school in Bakersfield, CA. The Class was the Fourth Year, First and Second Semesters, Electrical Apprentices from the IBEW Electrical Apprenticeship Program. The Course was Advanced Electronics, Process Control and Instrumentation. Taught Basic PLC Programming (Allen-Bradley SLC 5/xx), 4-20ma Current Loop, Standard Instrumentation, Including Sensors, Transmitters, Calibration, I/P, P/I, and usage of Test and Calibration Equipment. Taught Basic Computer Maintenance, Programming, and Operations including Hardware and Software, Operating Systems, Networking and Applications.

May 1998 to Jun 2000 : LAN Administrator – CA – DWR // Install & Maintain 250 Networked NT Workstations Include Unix/Linux/NT Servers and all Infrastructure Equipment.

Dec 1987 to May 1998 : Control Tech. – CA – DWR // Maintain SCADA/ Process Control/Instrumentation/Analog/Digital. Install/Maintain SCADA (Secure WAN/LAN) and all duties of a LAN Administrator and PC Support.

Dec 1986 to Dec 1987 : Process Control Manager (Plant) – Training Manager (Division) – Georgia-Pacific Corporation. Maintain Process Control/Instrumentation/Analog/Digital Equipment. Set up and implement the Paper Products Division Training Program. Train the Trainers. Train/Educate all personnel in plant and division to maintain and operate all office and plant equipment.

RESUME OF
WILLIAM E. STOVER
wstover@bellsouth.net

Married Ht. 6 Ft. Wt. 190 Lbs. Health : Excel.

APPLICABLE EXPERIENCE - LAST 20 Plus YEARS:

March 2006 to Present: Self Employed - Web Age Designs

Position: Computer Consultant/Author/Web Developer/Property Manager

Duties: Owner/Operator *Smokey Stover's Place*. Major Projects - Web Development. Started Web Development in 2002. Have developed a total of 10 to 15 Web Sites. I am in the process of developing a Web Site for the specific function and purpose of providing Service and Support for Clients and Customers who hire *Stover's Enterprises* and *Smokey Stover's Place* as their Computer Consultant and/or Training Advisor. This Web Site contains a description of Services Provided by *Stover's Enterprises* and *Smokey Stover's Place*. Please use the following link to access :
<http://www.web-age-designs.com> .

June 2005 to March 2006: Self Employed - Stover's Enterprises

Position: Computer Consultant/Author/Web Developer/Property Manager

Duties: Owner/Operator *Smokey Stover's Place*. Jack of all trades.

July 2002 to June 2005: Sole Proprietor - *SmokeyStover.Com/SSCISCOM*

Sell, Build, Configure, Maintain Computer Systems and small Networks.
Sell, Install, Maintain 2 Way - High Speed - Internet - Satellite Systems.
Integrate Hardware and Software, PC Systems/Networks and Internet Satellite Technologies to provide High Speed - Always On - Anywhere - Anytime Internet Solutions to Government, Business and Individuals.

January 2001 to June 2002: Consultant - Contractor - Self Employed

Position: Computer/PC/LAN Administrator/Help Desk/Training Advisor

Duties: Worked as Consultant, Contractor, Part Time, in many of the functions/duties positions listed.

Aug 2001 to May 2002: Taught night school in Bakersfield, CA. The

Class was the Fourth Year, First and Second Semesters, Electrical Apprentices from the IBEW Electrical Apprenticeship Program. The Course was Solid State Electronics, Digital Electronics (Includes Basic Computer and Network Theory), Boolean and Number Bases, and Process Control and Instrumentation, which includes 4-20ma Current Loop, Standard Instrumentation, Including Sensors, Transmitters, Calibration, I/P, P/I, usage of Test and Calibration Equipment and Basic PLC Programming.

June 2001 to January 2002: State of CA - Dept. of Water Resources

Position: Control Sys. Tech. II (Lead Position)- \$5700.00 per mo + OT

Duties: Maintain existing Control Systems at Control Centers, Power Plants, Pumping Plants and Hydrosites along the State Water Project. Present primary responsibility is Installation and Maintenance of Computer Systems and Peripherals, Remote Terminal Units (RTUs), Power Management Terminals (PMTs), and Data Communications Equipment including, Fiber Optics Terminals, Time Division Multiplexers (MUXs),

Customer Service Units (CSUs), LAN and WAN Routers, Bridges, Hubs, any other Network Equipment required, and Digital and Analog Voice Equipment including PBX Systems (Nortel Meridian, Symphony and others). Install, Configure and Maintain IBM Compatible PCs when required. All Installation and Maintenance includes Hardware, Software and System Configurations.

December 2000 to June 2001: State of CA - DGS/OFA

Position: Associate Information Systems Analyst/LAN Administrator

Duties: Install and Maintain Windows NT and Windows 2000 Servers

and Workstations. Support all Users in Hardware, Software and

Applications Problem Resolution and Maintenance. This Agency's

IT is 100% Microsoft including Outlook and Office Professional.

I use pcAnywhere to manage, maintain, and take control of our

WINNT Workstations. I have maintained all these Hardware and

Software products for many years. Also have recent experience

with GroupWise and heavy experience in Supervision and Training.

Have a working knowledge of Remedy, Track-IT, and other Help Desk

Software. I know how to grow a successful IT Service Community.

June 2000 to Dec 2000 : State of CA - CEC

Position: Associate Information Systems Analyst

PC Support - Helpdesk Support

Duties: 1. Work the Helpdesk. Receive Trouble Calls, Log Work

Orders, pass Work Orders to Technicians. 2. PC Support/Desktop

Service - Take the Work Orders to the Desktop/Workstation, Analyze

problems and accomplish Work required to restore the Desktop/Workstation

to proper working order. 3. Customer Service - Do whatever necessary

to provide good customer service to the End User. 4. Customer Service

includes but is not restricted to Hardware/Software Repair, Hardware

Software Installs, Hardware/Software Upgrades, Hardware Relocation,

End User/Customer Training, etc. 5. System Upgrades - Just completing

Rollout of 500+ System Hardware and Software Upgrades. Upgrade includes

OpSys (Win98 2nd Ed), GroupWise (to 5.5), Novell Client (to 3.10), TCP/IP

from IPX), Memory, CDROM, Sound added, etc. Upgraded Infrastructure

from Hubs to Switches.

Jan 2000 to May 2000: Taught night school in Bakersfield, CA. The

Class was the Fourth Year, First and Second Semesters, Electrical

Apprentices from the IBEW Electrical Apprenticeship Program. The Course

was Solid State Electronics, Digital Electronics (Includes Basic Computer

and Network Theory), Boolean and Number Bases, and Process Control and

Instrumentation, which includes 4-20ma Current Loop, Standard

Instrumentation, Including Sensors, Transmitters, Calibration, I/P, P/I,

usage of Test and Calibration Equipment and Basic PLC Programming.

May 1998 to Jun 2000: State of CA - Dept. of Water Resources

Position: LAN Administrator/IT Coordinator/PC Support

Duties: 1. Function as LAN Administrator of all LANs in the SFD of

DWR and the DWR WAN. Manage and Maintain Sun (Solaris-UNIX) Server.

Manage and Maintain a number of Intel (LINUX) Servers. Manage and

Maintain 200 Workstations (PCs) running Windows NT 4.0 and TCP/IP, operating on the LANs, WAN, and Internet. Maintain Hardware, Software, and Configurations including Fiber Optics Cabling, Connections, and Hubs, CAT 5 UTP Cabling, Connections and Hubs, CAT 3 UTP Cabling and Connections for Voice. Manage and Maintain a number of NorTel Meridian PBXs including Option 11, Option 61 and Option 71. 2. Function as IT Coordinator in formulating and then implementing the IT Plan for the SFD of DWR. Advise all Supervisors and Managers as to the most effective Hardware and Software purchases and upgrades required to keep pace with advancing and changing Applications and Networking. 3. Function as PC Support Manager for the SFD of DWR. Manage and Maintain 250 PCs of which 200 are Networked. Diagnose Problems and Repair or Contract for Repairs as necessary. Use Sniffer and Sniffer Console (Network Associates/Network General) to troubleshoot Network Problems. Use EtherPeek and EtherPeek Tools (AG Group) Software to troubleshoot Network and isolate slow hops and bottlenecks. As Control Systems Technician II, I have worked with much of this Hardware and Software for at least nine years. See next entry.

December 1987 to May 1998: State of CA - Dept. of Water Resources
Position: Control Sys. Tech. II (Lead Position)
Duties: Maintain existing Control Systems at Control Centers, Power Plants, Pumping Plants and Hydrosites along the State Water Project. Present primary responsibility is Installation and Maintenance of Computer Systems and Peripherals (Digital VAX and ALPHA), Remote Terminal Units (RTUs), Power Management Terminals (PMTs), and Data Communications Equipment including, Fiber Optics Terminals, Time Division Multiplexers (MUXs), Customer Service Units (CSUs), LAN and WAN Routers, Bridges, Hubs, any other Network Equipment required, and Digital and Analog Voice Equipment including PBX Systems (Nortel Meridian, Symphony and others). Install, Configure and Maintain IBM Compatible PCs when required. All Installation and Maintenance includes Hardware, Software and System Configurations. Secondary responsibility is Installation, Maintenance, and Troubleshooting of Analog and Digital Process Control Equipment and Instrumentation including Programmable Logic Controllers (Allen-Bradley) and Microprocessor Control Systems. Assisted in Installations and Maintenance of all Hardware and Software in the Control Center. The hardware is DEC VAX running OpenVMS VAX and DEC VAX ALPHA's running OpenVMS AXP. The System runs the layered ESCA HABITAT Real-Time Control System Environment. The HABITAT Environment provides the Data Base Management and Graphic User Interface for SCADA (Supervisory Control And Data Acquisition) Applications/System. The System(s) functions within an Ethernet, DECNET, LAN, and WAN environment. Data Communications Equipment includes Digital Adapters, DELINS, FEPS (ELAN), CISCO Routers (2500s and 7000s), Logicon Servers (Network to DOS Servers), and others. February to December 1996 I conceptualized, developed, and built four PC DOS Based Data Acquisition Systems including Hardware/Configuration, Software/Programming, Documentation, and Technical and Operations Manuals. April through June 1997 I completed 5 weeks of intense training in SCADA and Network Maintenance and Troubleshooting (Ethernet, DECNET, and TCP/IP) at Global Knowledge Network in Santa Clara, CA. Worked with a number of brands of PLCs including Allen-Bradley PLCs during these 12 years in plants on the State Water Project.

December 1986 to December 1987: Georgia-Pacific Corporation

Position: Process Control Manager / Training Manager

Duties: Process Control Manager: Maintain all Process Control Systems and all Instrumentation and Automation Equipment including all Computerized Control Systems and Programmed Logic Controllers(Allen-Bradley PLCs). Equipment included Mechanical, Electrical, Electronic, Pneumatic, and Hydraulic Equipment on three Disposable Diaper Production Lines, all Conveyer Systems and Packaging Systems such as Boxing Equipment and Bagging Equipment. Set up a Computerized Preventive and Scheduled Maintenance Program for all Plant and Office Equipment. Training Manager: Set up a Training Program for all Plant and Office Personnel. Train all Plant and Office Personnel in the proper Operation of all Equipment including Applications Training for Office Personnel. Train Plant Mechanical, Electrical, Electronics Maintenance Personnel in the Proper Maintenance of all Plant Equipment and insure proper Preventive, Planned, and Scheduled Maintenance is accomplished on time as well as in a Cost Effective Manner. Traveled to all of the Plants in the Georgia-Pacific Paper Products Division to TRAIN the TRAINERS on the Programs that I established.

ADDITIONAL EXPERIENCE:

January 1991 to December 1994: Smokey Stover's Small Systems

(Lancaster) (Sole Proprietorship)

As owner, operator, consultant, sole proprietor of Smokey Stover's Small Systems in Lancaster, CA, I bought at wholesale IBM Compatible PC parts, components, hardware, and software. I developed, assembled, configured, customized, tested, sold, delivered, and setup 300 plus systems in the four year period of 1991 through 1994. I trained every purchaser to their individual satisfaction in the use of each of their systems. On occasions I returned to their homes or businesses to maintain their systems or to further train them in system usage. The main objective in operating this company was to train my two sons and myself in all aspects of small computer systems hardware and software configuration, installation and maintenance.

William E. Stover
wstover@bellsouth.net

Relevant/Recent Training

Georgia-Pacific Schools:

1. Allen-Bradley (PLC-2) Part 1-Maint./Prog. - 1 wk. Feb 1987
2. Allen-Bradley (PLC-2) Level 2-Maint./Prog. - 1 wk. Jul 1987

CDWR - Department of Water Resources Schools/Training:

1. Fiber Optic Cable/Splice Training - 1 day Sept. 1988
2. Harris-Farinon (Microwave System) Maint. - 1 wk. 1989
3. Fujitsu POP-45 (Fiber Optic System - T3) - 1 wk. 1989
4. Artificial Intelligence Seminar - 1 day April 1990
5. Tetragenics RTU (Basics) - 1 wk. 1992
6. Racal Time Division Multiplexer (TDM) - 1 wk. 1992
7. UNIX System Operations (Pyr. Tech. Corp.) - 1 wk. Nov. 1992
8. Advanced PC Troubleshooting (DataTech) - 3 days-April 1993
9. Memory Management (IBM PC/Compatibles) - 3 days 1994
10. Habitat Full Graphics (For VAX/ALPHA SYSTEMS) - 1 wk. 1994
11. Tetragenics RTU (Advanced) - 1 wk. 1994
12. Canoga-Perkins T1 Mux (T1 Link) - 1 wk. 1994
13. Northern Telecom-Meridian PBX Maint. - 2 wks. Sept. 1994
14. SCADA Basic/Overview/Applications - 2 days Aug. 1995
15. SCADA Network Maintenance - 1 wk. April 1997
16. CISCO Basics (Router Concepts) - 1 wk. April 1997
17. Digital Baseband Ethernet Maintenance - 1 wk. April 1997
18. Network Maintenance/Troubleshooting - 1 wk. May 1997
19. Network Maintenance/Troubleshooting II - 1 wk. June 1997

ZDU - Ziff Davis University (On-Line Schools):

1. Introduction to UNIX (LINUX) - ZDU - 6 wks. - Aug 1999
2. UNIX Systems Administration - ZDU - 8 wks. - Sept 1999
3. Essentials of Microsoft Networking - ZDU - 8 wks. - Dec 1999
4. Windows NT Server Architecture - ZDU - 8 wks. - Jan 2000
5. Windows NT Server Administration - ZDU - 8 wks. - Feb 2000

CEC - California Energy Commission Schools:

1. Windows 2000 Essentials - UC Davis - 1 Sem/3 Units - Jan 2000

IBEW - National Joint Apprenticeship Training/Instructor Training:

1. Programmable Controllers (Allen-Bradley) 5/xx - Level 1.
Orange County Joint Apprenticeship Training Center - Jul 2001

MotoSat/DataStorm - Hughes/FCC Training and Certification

1. Mobile - 2 Way - High Speed - Internet - Satellite Training and Certification (DW4000). MotoSat - SLC, Utah - March 2003

Ground Control - Hughes/FCC Training and Certification

1. Fixed - 2 Way - High Speed - Internet - Satellite Training and Certification (DW4000/4020). Ground Control - SLC, Utah - March 2003