ACUTA eNews August 2000, Vol.29, No. 8
On July 21, the FCC officially designated 211, 511, and 711 as nationwide abbreviated dialing codes for community information and referral services, travel and traffic information, and telecommunications relay service (TRS), respectively. Once these codes are activated by the carriers upon request of information providers, they can be dialed instead of the seven or ten digits currently required.

The 211 dialing code will provide direct access to organizations providing community information and referral services, such as child care solutions, housing assistance, utility services, legal assistance, and hospice services.

The 511 dialing code has been designated for use by state and local governments in their efforts to improve local traffic and transportation conditions. The U.S. Department of Transportation expects that widespread use of the 511 dialing code will lower fuel consumption, lead to reduced congestion and pollution, provide superior traffic management.

The 711 assignment is intended to make services more accessible to users of both TTYs and voice telephones by eliminating the necessity of memorizing different seven- or 10-digit TRS phone numbers in different states. All carriers—wireline, wireless, and pay phone service providers—must implement 711 access to TRS on a nationwide basis within one year of the publication in the Federal Register of the Commission's action.

The Commission also concluded that because such codes are a scarce resource—there are only eight possible N11 codes—it would examine and reassess these assignments in five years. If use is not widespread, the Commission may consider expanding the use of these codes for other purposes.

For more details visit the FCC's Web site.
As you read this, hundreds of you—and I myself—will have just returned from ACUTA’s 29th Annual Conference, and I know I will, once again, be re-energized with a better understanding of what it will take to make this academic year a successful one.

For this year’s conference, speakers were invited to talk about diverse subjects including leadership, convergence, new and emerging technologies, information technology, legislative and regulatory issues and other relevant topics. With so many good ideas and so much information being exchanged, I always find it helpful to take a step back and reflect on what I have learned at the conference.

For his general session speech, Steve Farber was well qualified to speak about “How you build and communicate a picture of tomorrow when you’re trying to make it through the chaos of today.”

The meaningful and timely information he chose to convey to our group focused around a key concept—vision.

Vision is the ability to see what could be, and to build and implement a plan to get there. Such a simple yet powerful statement. Without clear vision, we have no focus. A lack of focus often results in a lower level of commitment and little innovation and creativity.

I believe that the concept of vision is a critical part of any management strategy, and I’ll be conversing with you about vision during my presidency. I hope you see this concentration on vision as an ongoing, interactive exchange among yourself and the Board. The healthy exchange of ideas has helped to make ACUTA valuable to all of us through the years.

I am fortunate to be assuming the role of President and leading our organization over the next year. I recognize that we are a dynamic organization, and I see us as the leaders in implementing new and emerging technologies on our campuses. Our roles have greatly expanded, and ACUTA has kept itself and us up-to-date on the best ways to manage changing responsibilities and new technologies.

I am continually reminded that ACUTA is a member-driven organization. Over the years, ACUTA has had many good people helping us get an understanding of the changing technology landscape. Some of these people are paid staff or specialists; the majority are volunteers from our membership who provide our organization with their time and expertise.

It takes a lot of work and dedication to keep ACUTA moving forward. Our
Spotlight on Volunteers: State Coordinators

Dennis Bromery has been at the University of Massachusetts for 20 years and in telecom for the past 11. After being recruited from purchasing, he became involved with ACUTA in 1991 when he attended the Student Resale seminar in Denver.

"ACUTA has been a tremendous help to me," Dennis says, "both as I was starting out with no telecom experience and now to maintain contacts and to keep up with the ever changing technology." Dennis says ACUTA's peer networking has been a valuable resource. "Just before my first conference, a long distance carrier had presented me with a contract offer. After talking with several schools at the conference, I obtained enough information to negotiate a much better contract.

"ACUTA has always been there for me when I needed information or help," says Dennis. "They are truly a great bunch of people. Every member school that I have talked to has always been extremely helpful and knowledgeable. Members go out of their way to help you or to find someone that can. Anyone who is not involved in ACUTA is missing an extremely valuable resource."

When he's not on campus, you might find Dennis on the golf course, but he spends some of his off-duty time on-duty as an Air Force Reservist as well. He also enjoys cooking and he collects wines. (He says he also enjoys tasting those wines, depending on what kind of day he has had!)

What is Dennis's forecast for the future? "It's not going to get any easier to do our jobs!"

Reach Dennis at dbromery@housing.umass.edu.

ACUTA LEGISLATIVE & REGULATORY AFFAIRS COMMITTEE

D C Update

Mergers

With approval of the Bell Atlantic/GTE merger in June, Verizon Communications becomes "the largest local and wireless carrier in the nation with 63 million lines (a third of the U.S.) and 25 million wireless users, twice AT&T's share," according to Telecom Manager's Voice Report (VR 6/19). The new company has promised "to spend big on local competition nationwide and on video." There has been some speculation that there may be legal challenges to the merger from within some segments of 711 - Telecom Relay Services (TRS)

As reported on the front page of this issue, the FCC has established 711 as the national number to dial for use by hearing-impaired and deaf persons. "A single national number would make telecom relay service more accessible to everyone, eliminating the requirement of seeking out local TRS access numbers when traveling from state to state," Chairman Kennard said recently. This idea was proposed by the Commission early this year and the carriers have had a chance to file comments, most of which ACUTA members may read about the latest developments in telecommunications- and Internet-related issues in the most recent Legislative and Regulatory Update, an electronic newsletter prepared monthly by Wiley Rein & Fielding. Members may also access archived copies of back issues of this document at www.acuta.org/legislation/index.cfm.

Whitney L. Johnson

Lucent/Avaya
In March the FCC gave conditional approval to the Qwest merger with US West pending state approval and some changes in the merger plan. On June 23 Arizona, became the last state to approve the merger. According to Telecommunications Reports (TR 7/10), Qwest will be making some big changes to better serve the customer in the 14 states that they serve. "If Qwest can't satisfy demand for basic telephone service, consumers won't trust the company to provide more profitable Internet and high-speed access services, said Qwest's chairman and CEO Nacchio at a press conference on July 5. "Qwest will begin streamlining US West operations by pruning 21 vice president positions from the payroll," according to Nacchio. He also noted that the real estate usage per employee will be reduced from the current 425 square feet per employee to the standard Qwest level of 175.

Most important to all ACUTA members will be the service that they get from the new company and to see what happens to the contracts and the costs of the service.

The proposed WorldCom/Sprint merger is off, following opposition from the U.S. Department of Justice and the European Union, and indications of opposition from the FCC. Deutsche Telekom (DT) is reported to be interested in buying either WorldCom or Sprint. Reports have it offering $35 billion to $99 billion for all or part of Sprint. DT has openly stated its interest in buying into the U.S., admitting it is pursuing RBOCs. (VR 7/3)

Lucent announced this spring that they were forming a special company with responsibility for the business communications operation of the old company. The name of the new company is Avaya. [VR suggested that it is pronounced "uh-vay-uh."] This new company may be responsible for the development of the next line of PBXs that will handle both voice and data faster and more efficiently. (VR 7/3)

Digital Signatures

President Clinton has signed a bill passed by both the House and the Senate which should strengthen telecom carriers' ability to sign up new customers over the Internet. The IXC's have been working with the FCC and Congress to "ensure that Internet based 'letters of agency' (LOAs) are recognized as valid authorization forms for changing a customer's local or long distance service provider." Time will tell whether this might be used to the benefit of, or create a real problem for, ACUTA members. (TR 6/19)

WorldCom and the Web

WorldCom, Inc., has informed its residential customers that their Internet service will be discontinued Dec. 31 unless they agree to switch to WorldCom strategic partner America Online, Inc. WorldCom will provide the infrastructure and data transport facilities of its UUNET Technologies, Inc., subsidiary, while AOL will provide Web content. WorldCom is offering to help the customers make the change with some incentives. (TR 7/3)
Board Report

July

The Board of Directors met by conference call on July 6, 2000. The following are highlights of that meeting:

- The recommendations for new members of the Program Committee were approved. They are Carmine Piscopo, Providence College, Chair in Training; Dan deBeaebien, Michigan Technological University; Cris Landgraf, University of New Mexico; Joe Brown, University of Wisconsin.

- The recommendations for new members of the Vendor Liaison Committee were approved. The new Corporate Affiliate members are Glen Fleischhacker, AT&T; Marcy Irons, Bell Atlantic; Judy Jones, CISCO; Tad Deriso, CHR Solutions (a one-year appointment to fill the balance of an unexpired term). The new Institutional member is Doug Hartline, University of California-Davis.

- The Board approved in concept a recommendation from the Vendor Liaison Committee for ACUTA to help coordinate and provide assistance to Corporate Affiliate members who offer focus group activities for market research purposes in conjunction with our conference and seminars and elsewhere. This is a pilot program and will be reevaluated after one year.

- New enhancements and updates to the ACUTA Web Site have been completed.

The ACUTA Directory is now online and is automatically updated from the ACUTA database. Vendors are currently updating the Corporate Affiliate Product and Service Information now online. Members are able to search by specific products and services. Institutional members can directly update their school’s facilities and services information with a unique URL.

Respectfully Submitted,

[Signature]

Having Trouble Reaching ACUTA’s New Area Code?

Several members have contacted the ACUTA office to let us know that they are unable to reach ACUTA’s voice or fax lines at our new area code—859. Since we have received many calls and faxes to the new area code, it appears that the problem may be at the dialing parties’ end.

If you are having a similar problem, we suggest the following:

Until October 1, you may still dial our old area code. 606. We are still in a permissive dialing period when either area code should work.

If you cannot reach us at 859, check whether the PBX at your institution needs to be reprogrammed. Or perhaps the switch at your LEC’s central office hasn’t been updated yet, which will pose a problem, especially if you have Centrex service.

We are hopeful that one of these solutions will work for you. However, if you have any problems reaching us at the new area code, contact the ACUTA office by e-mail (aconrad@acuta.org) and we will call you back!

ACUTA Has a New Area Code: Phone: 859/278-3338 · Fax: 859/278-3268

High Tech Short Takes…and More

Internet Telephony International

According to the Los Angeles Times (5/1/00), Californians can now place IP voice and fax calls to Japan, South Korea, the Philippines, Taiwan, and eastern China thanks to Ocen Communications. Ocen—which stands for open communications enterprise network and means “profound communications” in Chinese—is the first Internet phone carrier to target the Asian business community where quality is more of a factor than cost. Ocen is offering customers what amounts to a virtual private network, ensuring high-quality service and four-digit dialing between locations, even when those locations span several national borders.

Privacy Expert Advises Colleges to Bar Two Popular Internet Tools

As reported in the Chronicle of Higher Education Online (6/27/00), privacy expert Simson L. Garfinkel regularly advises colleges to ban telnet and file transfer protocol (FTP) because they facilitate malicious attempts to obtain personal information on campus networks. Speaking to a group of residential network administrators attending a conference at the University of Pennsylvania, Garfinkel warned that most colleges and ISPs lack policies that protect the privacy of personal information that is automatically recorded in databases when users are on the network. Garfinkel also cautioned that the Platform for Privacy Preferences Project (P3P), a privacy labeling
President’s Message

continued from page 1

Immediate Past President Anthony Mordosky did a marvelous job setting the foundation for ACUTA’s future by focusing on leadership this past year. I thank him for his work and mentoring, and look forward to his continued involvement. The Board, Directors-at-Large, committee chairs, committee members, and our professional staff all played an important role in keeping us a strong organization. They deserve a hearty thank you for a job well done.

I remain ever mindful that we, the Board, the committees, and our ACUTA staff, will work for you, our members, to develop programs that will allow us to define and implement our own visions to better our institutions. We need your help to do this, and we will be actively seeking out members to share their expertise and experiences.

For most of us, summer 2000 is rapidly coming to a close. School openings begin to take place in a few weeks, bringing in a new group of students whose expectations can best be described as said by one of our colleagues: needing to be tempered with the realities of an academic institution’s people and monetary resources. Undoubtedly, it will be another exciting and challenging year for all of us.

Working together over the coming months, I hope we can all define our visions, and help each other get our organizations and ourselves to where we should be.

I look forward to your comments and can be reached via e-mail at Anthony_Tanzi@brown.edu

Voice-to-Web Products from IBM

Reuters/Financial Times (6/22/00) reports that IBM has launched a new fleet of products designed to allow users to surf the Internet by talking over the phone, using a voice browser instead of a Web browser. The voice-enabled WebSphere server technology will be marketed to telecom companies that want to build portals where users can get news, stock quotes, movie listings, and other information via their telephones. Voice-enabled Internet systems will become increasingly important as the number of mobile phone users far outstrips the number of PC owners. Cahners In-Stat Group predicts that by 2002, there will be 1 billion wireless phone subscribers worldwide, growing at a compound annual rate of 34.5% over the next five years. In contrast, there are about 550 million PC users.

Overheard on the Listserv

Stop Unsolicited E-Mail, Mail Etc.

The Direct Marking Association will assist you if you want to end unsolicited mail, e-mail, and telephone solicitations. Go to this Web site and choose the option or options that best suit your needs: http://www.dma.org/consumers/consumerassistance.html. You can also write to them at Mail Preference Service, Direct Marketing Association, PO Box 9008, Farmingdale, NY 11735-9008.

(Thanks to Nancy Moulton, Univ. of Colorado at Denver, and others who shared this information via the listserv.)
Happy ACUTA Anniversary

At the Annual Conference, we recognize the milestone 5-10-15-20-25 year memberships. I am happy to share my space in the newsletter to list the following people who celebrate landmark anniversaries this year. Thanks to all of you, ACUTA is stronger than ever and continues to play a unique and important role in helping you help your institution or company succeed.

Congratulations to all of you!

20 years

Jeffrey C. Kuhns, Penn. State Univ.

15 years

(Alphabetized by school or company)
Norman Silver, Berklee College of Music
Philip E. Delong, Central Michigan Univ.
Geoffrey Trisch, Compass Consulting Inc.
Paula Loendorf, Duke Univ.
James Maat, Ferris State Univ.
Craig E. Young, Fort Lewis College
Tom Bonadeo, James Madison Univ.
William S. Deel, Marshall Univ.
Luis V. Klinin, Emeritus, Retired from Miami-Dade Comm. College
Tom Walsh, Miami Univ.
Patricia A. Simmons, Montana State Univ.
James K. DeBoer, Murray State Univ.
Charles C. Kuhlman, New York Univ.
Robert D. Bursick, Emeritus, Retired from Wayne State Univ.
Shay Dakan, Oregon State Univ.
Carolyn Phillips, Pennsacola Junior College
Caroline R. Piscopo, Providence College
Jill Laster, Texas Christian Univ.
John Petrella, Tompkins - Cortland Comm. College

10 years

Victor Davidovic, Albert Einstein College of Med. of Yeshiva Univ.
Stephen Judzicki, Amherst College
Deborah Osterisco, Bell Atlantic

Robert Matthews, Masch Systems
Lee Ann Hall, Ohio Northern Univ.
Susan Cooper, Ohio Wesleyan Univ.
Douglas McDonald, Oregon Health Sci. Univ.
William Clebsch, Stanford Univ.
Robert Penland, State of Georgia
Robert Stephenh, Tallahassee Comm. College
Andrew Harncich, The College of Saint Rose
Terry Sobla, Univ. of Missouri-Columbia
Anne Apicella, Univ. of New Mexico
Michael Palladino, Univ. of Penn.
Richard Miller, Univ. of Rhode Island
Frederick Kee, Ursinus College
Ernest Ogle, Western Maryland College
Garry Vander Vloeg, Western Mich. Univ.

5 years

Bob Neville, Albion Christian Univ.
Kelly Menczer, Albuquerque T-Vi
Tom Curtin, AMTECO/Call Campus Center
Vivien Oseley, Andrews Univ.
Deb Weddington, Appalachian State Univ.
Rose Snow, Arizona State Univ.
Becky Shaugnessy, Ausa Pacific Univ.
Claude Rader, Baltimore City Comm. College
Freddy Ulloa, Barry Univ.
Kenney Russell, Bates College
Janet Knox, Baylor Univ.
Marcy Iongs, Belt Atlantic
Kendra Edwards-Wilson, Belt Public Access Svcs
Jackie White, BeltSouth Business Systems
Yvonne Williams, Berea College
Dave Young, Biola Univ.
Gary Melnick, Bloomburg Univ. of Penn.
Art Hartigan, Boston Univ.
Kara Kelley, Brown Univ.
Gene Spencer, Bucknell Univ.
Stephanie Doda, Cal. State Polytechnic Univ.
Maria Garcia, Cal. State Univ., Dominguez Hills
Auralong Adams, Cal. State Univ., Long Beach
Char Hankey, Cal. State Univ., Long Beach
Rick Timban, Cal. State Univ., Long Beach
Jeff Craig, Cal. State Univ., Northridge
Kathie Pendo, Cal. State Univ., Chico
Gary Kretsch, Cal. State Univ., Stanislaus
Cris Jensen, Carleton College
Jim Bilello, Cass Communications, Inc.
Pierre Malloche, Catholic Univ. of America
Cliff McElvain, Central Christian Coll. of Kansas
Nancy Jane Jackson, Cent. Washington Univ.
Sylvia LeTourneau, Chapman Univ.
Yolanda Robinson, Chicago State Univ.
Becky Tyles, Colorado State Univ.
Michael DeSalle, Columbia College
Andres Jones, Columbia Univ.
Patrick Thompson, Columbia Univ.
Don Brooks, Cuahoga Comm. College
Karrie Schneider, Cyphoga Comm. College
Richard Carlson, Delta College
Joseph Salwach, DePaul Univ.
Rica Olissini, Dominican Univ.
Angel Dransfield, Duke Univ.
Clay Hopkins, Eastern Illinois Univ.
Keith Marks, Elizabethan College
Rich Yankosky, Frederick Comm. College
Karen Davis, Frostburg State Univ.
Richard Nelson, Furman Univ.
Carolyn Combs, George Mason Univ.
Julie Krut, George Mason Univ.
Eileen Kelly, Governors State Univ.
Laurie Barram, Griffith Univ.
Gerf Dengate, Griffith Univ.
Gregg Mather, Hamnoco Inc.
Bruce Holcomb, Hamnoco Inc.
Carl Heideman, Hope College
John Susopian, Humbell Premise Wiring
Craig Michalski, Illinois College of Optrometry
Anna Henderson, Illinois Inst. of Tech.
David Schmidt, Illinois Inst. of Tech.
Mike Lucas, Indiana Univ.- Purdue Univ.
Indianapolis
Marianne Chitwood, Indiana Univ., Bloomington
Paul Greggs, Indiana Univ. of Penn.
Mark Strawcutter, Indiana Univ. of Penn.
Jennifer Bowers, Indiana Univ.-Purdue Univ.
Nancy Gates, Inriga/TAK
Paul Dagle, Intellicall, Inc.
Jim Burke, John Carroll Univ.
Beth Rodgers, Johns Hopkins Univ.
Glen Turney, Kenyon College
Linda McEwerath, Kem Comm. College Dist.
Donald Vanine, Kettering Univ.
James Gilmore, Kutztown Univ.
Bill Lewandowski, Kutztown Univ.
Julie Davis, Lee College
Carolyn Lightfoot, Lee College
Carolyn Ward, Lees-McRae College
Doug Combs, Lewis-Clerk State College
Bill Grodau, Linear Systems Engineering
Stan Sigman, Lucent Technologies
Karen Borke, Macalaster College
Densie Quinones, Marymount College
Laura Chimlecki, Mass. College of Art
Daeho Koh, Mass. Institute of Tech.
Steve Timm, McLeodUSA Inc.
Paul Rowar, Mesa State College
Dick Johnson, Metropolitan Comm. College
Ruskin Golden, MidAmerica Nazarene Univ.
Steve Frichard, Middle Tenn. State Univ.
David Senior, Middle Tenn. State Univ.
Ronda Vaughter, Middle Tenn. State Univ.
Ann Hooper, Miss. College
Roger Merchant, Miss. State Univ.
Minno Gill, Montclair State Univ.
Ray Cadena, New Mexico State Univ.
Steven Kzniak, North Central Bible College
Thomas Napoleono, Northeastern Ohio College
Coll. of Med.
Wally Czerniak, Northern Illinois Univ.
Greg Larson, Northern Illinois Univ.
Cindy Phillips, Northern Illinois Univ.
Barbara Barnes, No. Kentucky Univ.
Keith O'Dell, Olivet Nazarene Univ.
Kenny Winnegrad, Oral Roberts Univ.
Jack Maxwell, Ottawa Univ.

Jouni Sroja, Queensland Univ. of Tech.
Gail Stephens, Radford Univ.
Rudy Richardson, Rand Corp., Ltd.
Larry England, Reinhardt College
Ralph Fasano, Rhode Island School of Design
Caryl Dix, Rider Univ.
Jim Calib, Roger Williams Univ.
Jack Canavera, Saint Louis Comm. College
Don Crabbs, Saint Mary's Univ. of Minn.
Steve Wright, Salem Academy & College
Larry Hansen, Salem State College
Harriet Toor-Max, San Francisco State Univ.
Larry Dowell, SBC Communications
Linda Hammett, SBC Communications
Bruce Jensen, Single Point of Contact (SPOC)
Maria Medley, So. Baptist Theological Sem.
Angela Imming, So. Ill. Univ.
Edwardville Ed Boney, Southwest Texas State Univ.
Michele Fraizer, Southwest Texas State Univ.
Eddie Krueger, Southwest Texas State Univ.
Bob Paver, Southwest Univ.
Alan Stiermann, Sprint
David Wilmut, St. Edward's Univ.
Dana Cullison, St. Mary's Coll. of Maryland
Ruth Trujillo, St. Thomas Univ.
Gail Winkelbarg, State of Missouri
Roland Smith, Stephen F Austin State Univ.
Craig Binney, Stonehill College
Gimmy Murphy, Stonehill College
Terry O'Donnell, Strategic Telecomm. Consulting
Gerald Burns, SUNY College at Geneseo
A. Monnot, SUNY College at Plattsburgh
Mark Durnic, Swarthmore College
Ron Kudzi, Syracuse Univ.
Randy Nee, Telco Research Corp.
Ralph Sonntag, Telco Research Corp.
Jim Coughlin, Telenet Inc.
Cindy Schultz, Telesoft Corp.
Terry Bailey, Tele-Studies Comm. Consultants
Joanne Brogan, Temple Univ.
Charlie Ferrill, Tenn. Tech. Univ.
Tammey Horrig, Tenn. Tech. Univ.
Kevin Thompson, Tenn. Tech. Univ.
Larry Lawson, Texas A&M Univ.
Larry Kitchens, Texas Christian Univ.
Charlotte Perry, The American Univ.
Larry Treas, The Michael Group
Sara Fischer, The Univ. of Chicago
Nancy Bahler, The Univ. of Findlay
Patrick Smith, Trinity Inst. Univ.
Jon Beck, Truman State Univ.
Ray Jagger, Truman State Univ.
Carl Conrad, Univ. of Cal., Hastings Coll. of Law
Alberto Forestier, Univ. of Med. & Dent. of NJ
Larry McInerney, Univ. of Alaska Fairbanks
Walt Moody, Univ. of Arizona
Steve Baldick, Univ. of Calgary
Grazia Jaroff, Univ. of Cal., Davis
Zack O'Donnell, Univ. of Cal., Davis
Cecilia Kneiss, Univ. of Cal., Los Angeles
Mike Schilling, Univ. of Cal., Los Angeles
Vince SefCk, Univ. of Cal., Santa Barbara
Paul Valenzuela, Univ. of Cal., Santa Barbara

From ACUTA Headquarters

Web Sites

of the Month

www.infotech.siu.edu/telecom

The committee particularly favored the Web sites created by and for the Telecommunications Office at Southern Illinois University at Carbondale for its easy navigation, pleasing graphics, and its online billing section.

www.hotlinehome.com

Hotline Homes’ site was selected for its clean and easy navigation and the links to school sites. The committee felt it was especially effective for a smaller company.
Institutional Members
- Florida Community College, Jacksonville, FL. Kem Siddons, 904/997-2990, T4
  ........................................................................................................ www.fccj.org
- Monash Univ., Victoria, Australia. Paul D’Agostino, 61-3-9905-4762, T4
  ........................................................................................................ www.its.monash.edu.au/networks
- Oklahoma Christian Univ., Edmond, OK. Marc Gaither, 405/425-1816, T1
  ........................................................................................................ www.oc.edu
- Southern Methodist Univ., Dallas, TX. Steve Straight, 214/768-4225, T3
  ........................................................................................................ www.smu.edu
- Sterling College, Sterling, KS. Kendel Mcllrin, 316/278-4374, T1
  ........................................................................................................ www.sterling.edu

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transformation. The firm serves major corporations, educational institutions, and government bodies worldwide.

Telecommunications Engineer/Analyst, University of Maine, Orono, ME
Send cover letter, resume and three letters of reference to: Leslie Shaw, Information Technologies, Univ. of
Maine, Neville Hall, Orono, ME. 04469-5752. EO/AAE

Manager Telecommunications, College of the Holy Cross, Worcester, MA
Contact: College of the Holy Cross, Nancy Costello, PO. PER, One College Street, Worcester, MA 01610, Tel:
508/793-3756, fax: 508/793-3575, resumes@holycross.edu

Information Technology Consultant, California State University at Fullerton
Obtain application by calling 714/278-2425 or going onto our employment Web site at hr.fullerton.edu.

Telecommunications Customer Service Manager, University of California at Davis
Send cover letter, detailed resume & salary history to: Tim McGeachy, Human Resources, Communications
Resources, Univ. of California, Davis, One Shields Avenue, Davis, CA 95616. See http://cr.ucdavis.edu. EOE

Associate Provost for Information Resources & Technology, Bradley University, Peoria, IL
Applications, accompanied by resume & five references, should be sent to: Chair, Associate Provost for IRT
Search Committee, Office of the Provost, Bradley University, 1501 West Bradley Avenue, Peoria, IL 61625.

Telecommunications Analyst, Columbia University, New York, NY
Call AIS Human Resources Office at 212/854-3386 or e-mail resume to: ais-hr@columbia.edu. Additional
information can be found online at http://www.hr.columbia.edu/hr/

Manager, PBX Engineering/OPS, University of New Mexico
For application information, contact Chris Landgraf at 505/277-4444 or e-mail cris@unm.edu.