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An estimated 30-40 million Americans either telecommute part-time or work at home every day according to an article entitled "The Alternative Workplace: Changing Where and How People Work," by Mahlon Apgar IV, in the May-June 1998 Harvard Business Review. Apgar is a consultant to major corporations who counsels his clients on issues related to real estate and infrastructure. He states that the early alternative workplace (AW) initiatives were proposed as cost reduction plans. His examples include AT&T and IBM who saw annual savings of more than $550 million and $100 million respectively by eliminating and/or consolidating offices while reducing related overhead costs.

The article states employees who are suited to telecommuting claim a remarkable improvement in productivity, AND most of their supervisors concur. Certain characteristics define the employee type best "suited" for telecommuting: the younger worker who is computer literate, self-motivated, and results-oriented, and who generally requires little office socializing—those "water-cooler conversations" which can account for over 70 non-productive minutes per day.

The type of work must also be suited to remote accomplishment. The author discusses that informational organiz-
A. We currently have about 1.5 hours of battery backup capacity on our PBX. I'm getting quotes to install a generator for backup power to the entire switchroom, which houses not only the PBX but our modem pool as well. How many of you use generators and how many rely only on the batteries for backup? My PBX vendor says very few of their customers actually use generators. —David Wilmot, St. Edwards Univ.

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**Board Report**

The Board held its monthly conference call on June 4. Presenting the President’s report, Margie Milone discussed the e-mail response to her May newsletter article from Bob Burgess, University of Georgia, which contained some fine examples of community involvement.

The Board approved Buck Bayliff’s recommendation to appoint Frank Ferrara, Princeton University, to serve as Chair of the Membership Committee.

The Board heard reports from the various committees including the following:

- **Legislative/Regulatory Affairs**
  - Tony Mordosky reported the comments on “Calling Party Pays” Cellular Services petition had been filed by the attorney for ACUTA.

- **Publications**
  - Jim Cross reported the committee has finalized Journal topics for 1999:
    - Spring: Leveraging the IP Network
    - Summer: Voice, Data, and Video Convergence on the Web
    - Fall: New Opportunities in a Competitive Regulatory Environment
    - Winter: Wireless Technologies

- **Fall: New Opportunities in a Competitive Regulatory Environment**

- **Senior Leadership Forum Advisory Committee**
  - Jeri Semer reported the Forum program is complete. She noted that the presentation by Dr. Graham Spanier, President, Pennsylvania State University, will be via video conference.

The Board discussed the Proposed Mission/Charge/Membership components for the Higher Education Advisory Panel Proposed as proposed by the Executive Director and called for in Goal 2.1.7 of the Strategic Plan. After some discussion the Board approved the plan as amended.

Respectfully Submitted:

Tony Mordosky
Bradley University
Secretary/Treasurer

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**Is This an ACUTA Anniversary for You?**

According to ACUTA records, the following people will celebrate anniversaries this year and will be recognized at the Conference. If your name appears on the list but should not, or if your name should be on the list but is not, please contact Kellie Bowman at ACUTA right away (606/278-3338):

**5 Years (1983)**
- Gregory Ashe, Ohio State Univ.
- Brenda Bennett, SUNY Coll. at Potsdam
- Casey Bosman, Grand Valley State Univ.
- Scott Bradley, Utah State Univ.
- Hank Brooks, Northern Illinois Univ.
- Joan Chapek, North Dakota State Univ.
- Ivaelee Clark, Calif. State Univ., San Marcos
- Frank Conforti, Johnson & Wales Univ.
- Tammy Comier, Calif. Lutheran Univ.
- Chuck Cossin, Schoolcraft Coll.
- Lauren Dean, Univ. of Nevada-Las Vegas
- Judy DeNoyer, Principia Coll.
- Jared Edwards, Minot State Univ.
- Margaret Evans, Wheaton Coll.
- Dennis Fouty, Univ. of Houston
- Hugh Gilbert, Emerson Coll.
- Joel Huff, Pensacola Christian Coll.
- Donna Johnson, the Evergreen State Coll.
- Jeff Kapp, Millikin Univ.
- Robert Kaspark, SUNY Coll. of Optometry
- Lotha Kibble, Midland Lutheran Coll.
- Josef Komenda, Univ. du Québec
- Michael Long, UNC Charlotte
- Gary Luff, VTrac Telecom, Inc.
- Walt Magnussen, Texas A&M Univ.
- Edmund G. Mardon, Univ. of Calif., San Diego
- David McShane, William Rainey Harper Coll.
- Lisa Notariani, Univ. of Scranton
- Peggy Page, Syracuse Univ.
- Gary Petlyn, SUNY at Albany
- Donald Peterson, NC. Dakota State Univ.
- Paul Petroski, Univ. of Maryland, Baltimore
- David Quimby, Saint Norbert Coll.
- Kay Reeves, Abilene Christian Univ.
- Mollie Ruffennach, Univ. of Scranton
- Jack Sasser, State of North Carolina
- Cliff Schall, Humboldt State Univ.
- Ronald Skutnick, Univ. of Scranton
- Leidy Smith, Rescom Corp.
- Suzan Solite, Judson Coll.
- Susanne Stratiyan, Clarion Univ.
- Rad Taylor, Russell Sage Coll.
- Rosemary Urban, Rollins Coll.
- Raymond Vigna, Univ. of Mass. - Lowell
- Lawrence Westemeyer, Univ. of Missouri-St Louis
- Douglas Wilson, Engineering Assoc., Inc.
- Joe Zepecla, Azusa Pacific Univ.

**10 years (1988)**
- Leif Aagaard, Jr., Sweet Briar Coll.
- Buck Bayliff, Wayne Forest Univ.
- Craig Beal, Univ. of Texas at Arlington
- Philip Beideman, Western Telecom. Consulting, Inc.
- William Bloomgren, Illinois State Univ.
- Paul Bolz, Pinnacle Software Corp.
- John Bradley, Rensselaer Polytechnic Inst.
- William Bricha, Lehig Univ.
- Richard Bull, East Stroudsburg Univ.
- Randy Burns, Compo, Inc.
- Dwayne P. Cable, Morehead State Univ.
- Timothy J. Casey, Skidmore Coll.
- Mike Chambless, Sanmida State Coll.
- Barbara Cieselski, Calif Polytechnic State Univ.
- Joel Cohen, Canusa Coll.

**15 years (1983)**
- Don Corcoran, Vanderbilt Univ.
- James S. Cross, Ph.D, Michigan Tech Univ.
- Larry Davis, Univ. of North Florida
- Vicky Doerr, Univ. of Missouri-Kansas City
- David Douglass, JTM Associates, Inc.
- Bill Duggan, Idaho State Univ.
- Pamela Fuestho, William Paterson Univ.
- Morris M. Galloway, Jr., Presbyterian Coll.
- Roy A. Gruver, Lehigh Univ.
- David E. Henard, Eastern Illinois Univ.
- Whitney Johnson, Retired from No. Michigan Univ.
- Dennis Kelsey, SUNY Coll. of Tech. at Alfred
- Tim Kiplington, Southwest Missouri State Univ.
- Riny Ledgerwood, San Diego State Univ.
- Carol Lehman, Ashland Univ.
- Jo Ann Light, Univ. of Missouri-Rolla
- Scott Mah, Univ. of Washington
- Carol Martin, Mary Washington Coll.
- Carolyn Martin, Univ. of Richmond
- Alfred C. Meddocks, School Dist. of Philippia
- Margaret Milone, Kent State Univ.
- David Mueggenbug, Northwood Univ.
- Charles Nebes, Governors State Univ.
- Jessie Lea Patrick, Austin Coll.
- Barbara Patrick, Northeastern Illinois Univ.
- Daniel J. Patterson, Univ. of Utah
- William A. Phillips, Mansfield Univ.
- Phil Pickle, Arkansas State Univ.
- Ronald Pointer, Saint Louis Univ.
- Jacqyn Roberts, Auburn Univ. at Montgomery
- Richard N. Rose, Univ. of Maryland System Adm.
- J.C. Ruch, Brigham Univ.
- Murray D. Ryan, Johns Hopkins Univ.
- Diane Schmitt, Joliet Junior Coll.
- Kenneth R. Schuetz, Univ. of Colorado - Boulder
- Jane Sheldon, Univ. of Nebraska at Kearney
- Francis W. Speck, Saint Mary’s Univ. of Minnesota
- Neil Stackel, NYNEX
- Terrence L. Stratton, West Chester Univ.
- M. Lewis Temares, Univ. of Miami
- Jan Thomson, Stanford Univ.
- David Tomcheck, Univ. of Calif., Irvine
- Terry Tucker, Cleveland State Univ.
- Amelia Tynan, Univ. of Arizona
- Jan Weller, Univ. of Kansas
- Gary Wenger, Coll. of DuPage
- Linda Wilson, Univ. of Tenn. - Memphis

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**ACUTA News** July 1996
New Fiber Optics

Fiber-optic technology, increasingly the media of choice for transmitting voice, video, and data communications over LANs and WANs, is evolving rapidly. A new, low-cost, 3-Gigahertz plastic fiber (GI-POF) is now working its way through the standards bodies for fiber-to-the-desk applications. This new fiber can transmit up to 3 billion bits of information per second over a distance of 100 meters (328 feet) and is more bandwidth- and cost-effective than glass fibers, copper twisted pairs, or coax over this distance.

In addition, installation is easier and the cost is equal to or lower than glass or UTP due to its use of the visible spectrum of light by using low cost LEDs, VCSELs, and CD lasers to provide the electrical-to-optical conversions.

The Light Brigade is offering special discounts to ACUTA members on fiber optic video training and classroom hands-on courses. For "how-to" videos or the technology series, ACUTA members pay $75 (regular price is $125). For hands-on classroom instruction, ACUTA members receive a 10% discount. For more information, call Rick Atchison at 800/451-7128 or access the Web site at www.lightbrigade.com.

President's Message

Continued from page 1

tions, those operating primarily through voice and data communications, but not necessarily "high-tech," are well suited to "virtual officing." This is where information-age literacy is fostering a corporate culture characterized by flexibility, informality, the ability to change when necessary, respect for personal time and priorities, and a commitment to using technology for improving performance.

Personnel issues won't be managed by a "virtual" manager. With an empowered staff, a strong leader could accomplish work remotely part-time and still provide the appropriate "face time" as needed. I know this is possible—I'm one of those "younger" workers described above(!) and I was telecommuting while out of the office for 82 days last year, traveling and attending business and ACUTA events.

I worked via email, voice mail, and faxes while my empowered team at home took care of business as well as covering for me as needed. We handled our personnel matters when we were together and proclaimed our year completely successful.

Alternative workplace options are not for every type of person or work. As the voice and data giants of our industry, AT&T and IBM have pioneered this concept as another tool to be used proportionately in specific circumstances by certain types of employees in achieving appropriate kinds of work.

As telecommunications professionals, we embrace this use of technology in our own lives, in our careers, and in our higher education environments.

Adapt and survive. Resistance is futile. My final words of advice: Encourage One Another in Everything Good.

From ACUTA Headquarters

Jeri A. Semer, CAE
Executive Director

What will that mean to you? For one thing, we will have the capacity for viewing of videos and other multi-media via our Web site. In anticipation of this, we're video taping all four general sessions in San Diego, and will make them available on the Web in early August. We'll also be able to offer online education including video clips in the future.

If you are one of the over 800 subscribers to the ACUTA listserve, you'll have new easier options for subscribing, unsubscribing, and accessing listserve messages via the Web, and archiving of past messages will be automatic and easily accessible.

Watch the ACUTA News and the Web site next month for more details about these and other technology upgrades.

I hope to see you in San Diego. If you have any suggestions for services, education topics, or other ACUTA activities, please don't hesitate to speak with any member of the Board or staff when we see you at the Conference. We're always listening, and appreciate your ideas for services to meet your needs.
Qwest - U. S. West - Ameritech

Will Local Exchange Carriers (LECs) survive the challenge in the courts and provide interLATA long distance service? On June 4, the judge in U. S. District Court in Seattle said that the "teaming agreement" between the companies should be suspended until the FCC can review its legality. U. S. West had signed up nearly 130,000 new customers for Qwest before the judge suspended the plan. Qwest is now marketing long distance service themselves in the area. Noting that the outcome of the proceeding in Chicago might be different, the judge said the possibility of inconsistent rulings by different district courts "should be avoided if possible." (Telecommunications Reports 6/8/98)

Sprint filed a petition with the FCC to block such agreements in response to Ameritech's release of a request for proposals for a "partner" to provide interLATA services. (TR 6/8) And while AT&T was one of the leaders in filing the proceeding with the courts and intends to continue to pursue the lawsuits, at the same time they are looking for partners who will enter into similar agreements with them. (TR 5/25)

Universal Service Administrative Company (USAC)

The USAC has been formed to administer the Universal Service Fund replacing three organizations that had been preciously proposed. Cheryl Parrino, formerly chairman of the Wisconsin Public Service Commission, has been appointed the first Chief Executive Officer of the USAC beginning June 1 at an annual salary of $135,000. Salaries as high as $200,000 had been announced for at least one of the organizations USAC replaced, and some Congressmen were not happy. (TR 5/25)

E-rate - Universal Services

The Senate Commerce, Science, and Transportation Committee had given the FCC until May 15 to report on how it detects and prevents inflated costs in contracts to provide discounted telecom services to schools, libraries, and rural health care facilities. Some school districts had reportedly told potential contractors that they would favor bids that included "free" materials and services, and as a result some of the schools and libraries were seeking discounts for "gold plated" computers and networks that exceed what is used by research institutions. Now a "program integrity analysis review" will be set up under the Schools and Libraries section of the USAC to ensure that applications do not seek support for services beyond their educational needs.

The e-rate under Universal Services and its application is a topic under continual discussion at all levels if press coverage is any indication. More groups are coming out opposed to the plans that have been announced and members of both houses of Congress are getting involved. Lower rates have been announced for the first 18 months by the FCC and some of the carriers.

FBI Warns against Hackers

An article in 411 Newsletter (May 25) reminds us that hackers are out there and we need to watch out for attempts to invade systems and steal services. Among their tips for voice security: Study your bills every month. Assign department codes to each of your lines. Change dial-in passwords the minute a disgruntled employee with access to the network leaves. Don't use smaller systems, such as fax packages, without changing default passwords immediately. Physically secure your network 24 hours per day. Beware of network connections with foreign sites.

Connecting

Off-Campus Housing to the Network

This summer the University of Dayton (Ohio) will install a high-speed, fiber-optic network in three student neighborhoods where the school owns 330 houses. Thomas Skill, assistant provost for academic technology, compares the project to wiring a small city.

Three types of cable—fiber-optic, twisted pair, and high capacity coaxial—will run through master conduits to link up juniors and seniors living in a 25-block area half a mile from campus. Skill says Dayton is the first university in the country to extend a voice, video, and data network to single-family homes in a neighborhood.

Supplying a port for every pillow, the fiber-optic component will add 1,500 direct high-speed connections to Dayton's network beginning in August, 1999. This off-campus network addition is part of a technology expansion begun in 1994, when Dayton linked 4,000 students in residence halls to the campus computer network, and created a 78-channel video network for educational and entertainment programs.

Justification of the $6.1 million plan includes: (1) increased technical proficiency resulting in more employable graduates; (2) augmentation and enrichment of the educational experience; (3) opportunity to explore new education-delivery methods; (4) progress toward the goal of universal access which will result in attracting more technology-savvy students.

[This information was adapted from "Wiring Up the Neighborhood" by W. David Gardner, University Business, May/June 1998. Visit their Web site at www.universitybusiness.com]
Update

Positions Available
For complete details of positions available, access the ACUTA Web site. If you do not have Internet access, call Pat Scott at the ACUTA office (606/278-3338) to receive a printout of current listings. Please submit position-available information electronically to Aaron Fuehrer at afuehrer@acuta.org or to ACUTA's homepage: http://www.acuta.org. If you post a position, please notify Aaron when the position is filled.

• 2 Positions: The University of South Florida, Tampa, FL
  Senior Telecom Service Specialist, Telecom Services Specialist
  Contact: Jim Chancey, Asst Director, 813/974-8330 or jchancey@admin.usf.edu.

• Telecommunications Equipment Technician I, Univ. of No. Carolina, Charlotte
  Contact: NC application form (ref position #13144) must be received by 7/14/98. No e-mail applications accepted. Contact: Human Resources, UNC, 9201 University City Blvd., Charlotte, NC 28223. To receive a NC State application call 704/547-2276 or 547-2075. AA/EOE

• 2 Positions: Campus TeleVideo, Greenwich, CT
  Chief Operating Officer; Sales Technician. Contact: Ned Lamont, President, 203/661-4771 or 203/661-4771; e-mail ned@camptv.com (Campus exp. req.)

• 8 Positions: Charles County Community College, LaPlata, MD
  Senior Systems Administrator (CY98-31)
  Senior Business Analyst (CY98-30)
  Senior Database Administrator (CY98-32)
  Engineering Technology and/or Computer Technology Faculty (CY98-33)
  Programmer Analyst (CY98-34)
  Contact Bonnie Miller at hrdasst@charles.cc.md.us. Jobline to request an application and Vacancy Announcement: 301/934-7753.

Welcome New Members
Institutional Members
• Univ. of Texas, San Antonio, TX. Glenda Norton, 210/458-4200. T4
• William Woods Univ., Fulton, MO. Theresa Luebbering, 573/592-4224. T1

Corporate Affiliates
Bronze Level
• Prestolite Wire Corporation, Southfield, MI. Fran Towey, 248/386-4442

Copper Level
• 3M Telecom, Austin, TX. Roxanne Dunegan, 512/984-5837
• Atlantic Telecom, E. Hanover, NJ. Robert Platner, 973/515-5252
• ATS Telephone & Data Systems, Memphis, TN. John E. Hand, 516/472-6625
• Cooper's & Lybrand LLP, Boston, MA. Michael McGuire, 617/478-5083
• Flack & Kurtz Consulting Eng., LLP, San Francisco, CA. Fred Dickeman, 415/398-3833

ACUTA Events Calendar
Fall Seminars: October 11–14, 1998, Dallas, Texas
  Track I: Managing & Engineering Enterprise Networks
  Track II: Marketing Campus Security & Other Student Services

Winter Seminars: January 17–20, 1999, New Orleans, Louisiana
  Track I: Generating Telecom Revenues
  Track II: Information Management

Spring Seminars: April 18–21, 1999, Alexandria, Virginia
  Track I: Convergence
  Track II: Managing Telecom Issues

28th Annual Conference: July 18–22, 1999, Nashville, Tennessee