ACUTA eNews July 1979, Vol. 8, No. 7
PRESIDENT'S MESSAGE

By the time that this issue of ACUTA News reaches you, the 1979 Conference will be upon us. Connie has done an outstanding job for us and I look forward to seeing many of you in Atlanta for what I am certain will be an interesting and exciting learning experience.

I hope that those of you who can't make it this year will, if you haven't done so already, let your Region Director know your views on at least some of the important issues that will be discussed at the Business and the Board of Directors' Meetings.

I will have a lot more to say in Atlanta (much of which, I'm sure, will be duly reported in the September issue of our newsletter), but for now I'd like to make this my shortest President's Message ever and close by thanking you all for your encouragement and support during the past ten months and, if you're lucky enough to be going to Atlanta, by wishing you a safe and pleasant journey....

See you in Atlanta!

/s/ Mal Reader, President

PARTY LINE

...Ruth Michalecki, Nebraska

As always, our annual conference is the time we elect the officers of our organization. In ACUTA News this month, we have a brief resume and photo for each person accepting the nomination for election to offices this year.

In an organization of our size (and we are still growing), it is difficult to recognize all the names and when election time comes, it is hard to decide who is who. Hopefully, this pre-election coverage will help you... Our special thanks to all for getting their resume and photo to us on such short notice....

Elwyn Hull, who will be representing the "Basic Telephony Session" sends this reminder to all who are planning to attend his session:

Bring with you a sample of your equipment records (or all of them if they are not too bulky). If you are not already receiving these records regularly, you may obtain them from your operating telephone company upon request.

You will also want to gather whatever information you can from your telephone company, such as the type of equipment you have, your long-distance and/or WATS network, or any service you do not understand. By bringing all of this to the conference you will probably gain more from the Basic Telephone Session....

It sounds like Elwyn has really worked hard on his session and we encourage you to attend....

The University of Rochester in Rochester, N.Y., received Honorable Mention from the National Association of College and University Business Officers (NACUBO) through the U.S. Steel Foundation Cost Reduction Incentive Awards Program. The cost reduction program was the control of telephone toll call expenses through WATS and Least Cost Routing. It includes traffic analysis, marginal and average pricing techniques, level-of-service considerations, bill-back capabilities, and computer-modeled projections. The University of Rochester saved $168,000 last year as a result of this program. Congratulations to Doug Brummell!

The NACUBO-US Steel Foundation awards program, in its fourth year, selects winners on the basis of potential applicability of the technique or procedure, amount of cost reduction, and on originality....

"More grits Mal???

Mal Reader digs into some REAL Southern Fried Chicken, compliments of Chef Connie. I wonder if everyone visiting Atlanta will receive this treatment from our conference host, Connie Gentry.
the user's choice

several hundred
in operation

PACX (Private Automatic Computer eXchange) is a sophisticated high speed data switching and port contention system designed to optimise the allocation and use of your resources.

PACX continuously scans all terminal channels. When a service request is received, the user is connected to an appropriate port in less than one second.

Plug-in port and terminal modules (some with integral short haul data sets) offer system expansion or reconfiguration without high cost or delay. As many as 510 terminals can contend for service from up to 254 ports.

Regardless of system loading, all channels remain completely transparent to speed, code and data format up to 9600 bps asynchronous or 19.2 Kbps synchronous. Ports on both local and remotely located computers can be assigned up to 64 different class designations, accessible on request from the terminal keyboard. Reallocation of resources, at any time, is achieved by reassigning port classes via the control panel. Complete system status is seen at a glance. Data suitable for statistical analysis is continuously generated. PACX puts control over data communications back where it belongs.

Shown here is Dual-PACX (up to 510 terminals and 254 ports). Standard PACX (up to 254 terminals and 126 ports). Mini-PACX (up to 48 terminals and 32 ports). Complete data is available upon request.
Capt. James A. Lovell was born in Cleveland, Ohio, on March 25, 1928. Although born in Cleveland, he spent most of his "growing up" in Wisconsin, where he developed a love for experimentation in backyard rocketry.

After high school graduation, Capt. Lovell entered the University of Wisconsin. Wanting to be a pilot, Lovell enrolled in Naval flight training at Pensacola, Florida after his sophomore year in college. Within two months he received an appointment at the Naval Academy going on to graduate 142nd in a class of 783. Three hours after graduation, he married his high school sweetheart Marilyn Gerlach of Milwaukee.

Capt. Lovell has logged more than 5,000 hours flying time, more than 3,500 hours in jet aircraft. Selected as an astronaut in 1962, he has served as a back up pilot on Gemini 4, in 1965—pilot on Gemini 7, back up pilot on Gemini 9, command pilot of Gemini 12, 1966, pilot on Apollo 8, 1968, and back up command pilot on Apollo 11. On April 11-17, 1970, serving as Spacecraft Commander of the Apollo 13 flight, he became the first man to journey twice to the moon.

Capt. Lovell held the record for time in space with a total of 715 hours and 5 minutes, until surpassed by the Skylab flights.

On March 1, 1973, he retired from the Navy and the Space program to join Bay Houston Towing Company in Houston, Texas; rising to President and Chief Executive Officer in 1975.

On January 1, 1977, Capt. Lovell became President of Fisk Telephone Systems, Inc. in Houston, Texas. Fisk is the leading Telephone Interconnect Company in the southwestern United States.

Capt. Lovell is associated with and involved in many activities. He is Director of First City Bank-Almeda Genoa in Houston, Texas, Director of American Bakeries Co. in Chicago, Ill. and served as Chairman of the Presidents Council of Physical Fitness & Sports between 1967-1978.

Lovell has received the NASA Distinguished Service Medal, 2 NASA Exceptional Medals, the Navy Astronauts Wings, the Navy Distinguished Service Medal plus many other special awards and honors.

Capt. James Lovell and his wife currently reside in Seabrook, Texas. They have four children Barbara 26, James 24, Susan 21 and Jeffery 13.
ATLANTA INFORMATION

(With many thanks to the Atlanta Convention and Visitor's Bureau)

POPULATION - The Metropolitan Atlanta area (15 counties) has a population approaching 1.9 million people, while the City of Atlanta numbers some 435,000 residents. Atlanta ranks 18th in the nation in terms of population.

WEATHER - Normal temperatures for August range from 87°F to 70°F. Average precipitation for the month is 3.6 inches. Atlanta, for the post part, enjoys a temperate climate. Highs and lows, no matter what season or month, can vary by 15 to 20 degrees, sometimes more. This may be accounted for, in part, by the fact that Atlanta lies at only 1,050 feet above sea level.

GETTING TO ATLANTA -

Atlanta is the transportation hub of the entire southeastern U.S. One old joke says that when a person dies before he/she can go to Heaven or Hell they have to change planes in Atlanta. Hartsfield International Airport is the second busiest airport in the world, and the largest transfer hub in the world. It is approximately 8 miles south of the city.

Fourteen scheduled carriers and commuter airlines give Atlanta non-stop service to 110 cities nationally.

Airport Limo Service and Taxi are the most practical way of getting from the airport to downtown. Limo service is $3.50 per person or $6.50 round trip. Taxis, which are licensed by the City of Atlanta and metered, are plentiful. Basic rate is 60¢ plus 10¢ each additional 1/6 mile, and cabs, by law are required to collect 4% state and city sales tax. There is a 25¢ charge for each additional passenger. Approximate fare from the airport to downtown is $7-$8. A special fare of $3 per person pertains for three or more people in a cab going to the same destination within a certain radius.

Atlanta is served by Greyhound and Trailways bus lines. AMTRAK's Southern Crescent provides the only regularly scheduled passenger train service through Atlanta. One train daily plies the rails, in both directions, between Atlanta and Washington, D.C./Philadelphis, New York City and intermediary points. Also, there is one train daily between Atlanta and New Orleans and intermediary points.

ATLANTA TRAFFIC -

If you are driving to Atlanta be sure to check out the map provided elsewhere in this issue of ACUTA News. You also need to know that Atlanta's rush hours are BIG LEAGUE. The morning rush goes from 6:30 AM to 9:30 AM, in the afternoon its from 3:30 PM to about 7:00 PM. Atlanta's street system has been described as more of a "happening" than a system. Atlanta's streets are not laid out in grids. When Atlanta was getting started as a rail junction, tracks came in from various directions along curving high ground. railroad workers and shop keepers laid out streets more or less parallel and perpendicular to the tracks, but these minigrids join at odd angles. Just remember, if you can get on to Peachtree Street you can find just about everything and every place you want to go.
If you are flying into Atlanta International Airport you may take the Airport Limo to the Omni Hotel for $6.50 round trip, or you may take a taxi which will cost about $7.50 - $8.50 depending on how big a tipper you are. By the way, the cost for the taxi is for a one way trip. You may also arrange to rent a car at the airport.

If you will be driving, please refer to the handy little map which should be in close proximity to these instructions. Either from the North or South, I-75 and I-85 merge into one system coming through the city. Exit at International Boulevard. Continue straight ahead and when you reach the fourth traffic light you should be at Spring Street. Turn left onto Spring Street and continue straight ahead until you come to Marietta Street. Turn right onto Marietta Street and you will see the Omni Hotel on your left. Omni guests may park at the hotel for $4.75 per day.

If you are coming into the city from East or West on I-20, you must exit onto I-75/85 North or what we call the Chattanooga exit. Then continue to International Blvd and follow directions.

Should you choose to enter the city by some obscure route (other than interstate hwy.) get yourself onto Peachtree Street and follow it till you reach International Blvd.

Atlanta is a very easy city in which to drive. Once you get onto Peachtree, north or south, if you can't find what you need, from churches to massage parlors, shopping centers, discos, restaurants, etc., you don't really need it!
**"MOUTH OF THE SOUTH"**  

...Norm Sefton, Duke University

It’s old Mouth of the South Editor has just returned from a week at the lake and it dawned upon him that we are less than a month away from our annual ACUTA meeting in "Hotlanta". Let me assure you that there is plenty of gasoline available here in the South. Don’t let it deter you from your plans for a vacation in conjunction with our ACUTA meeting.

I noted that my colleague, "The Virginia View" wrote his last article "on the road". Not so with your "Mouth of the South" editor. However, I had a chance to review Bruce Howat’s publication for July and several articles on interconnect caught my eye. It seems that New York Medical Center, Vanderbilt University, and Hospital, Sewickley Valley Hospital, Leonard Hospital and Samaraton Hospital have all decided to go interconnect. Could this be a trend? Maybe we should ask them to share their experiences with us next year....

Back closer to home, we have just finished our first month of operations with our new TDX Least Cost Routing System. Cut-over went extremely smooth. The only minor hitch was some bad quality FX circuits. Telco got them cleared up about two days after cut-over...

As usual, we had to design our system somewhat unique to the industry standard. We had a black box designed so that we did not have to use authorization numbers. When a caller comes off hook our central office recognizes what telephone number is originating the call and passes this information to TDX, the caller then dials a 7 or 10 digit telephone number and the TDX Least Cost equipment selects the best route and informs our central office how to route the call. Indications are that the savings generated will pay for the TDX equipment within one year. We are now going through the orchestration period to fine tune the exact number and type of bulk services, i.e., FX, WATS, etc.

If time permits in "Hotlanta", I would like to swap "war stories" with all ACUTA members who have installed Least Cost Routing Systems.....

**BITS & PIECES**  

...Ruth Michalecki, Nebraska

There is a new hybrid on the block---2-way radio computer terminals that combine the ability to access and update databases with the portability of hand-held mobile radios. Offered by at least four firms, including the leader in the field, Motorola. The systems developed so far have calculator-style keyboards linked to rf transceivers using FM frequencies in the 420 to 512 MHz band. Information transmitted via FM radio is sent into a co-communications controller and converted into a format capable of being received by the host computer. At present three binary synchronous (IBM 3270) and asynchronous serial protocols are in operation, with others being developed. Motorola’s unit has forward error detection and correction for the rf link and the Electromagnetic Sciences , Inc of Atlanta has just entered the field with a system compatible with asynchronous communications.

At present some users are Ford Motor Co and National Steel. Suggested multiple uses for the system are: Inventory Personnel, Inventory record keeping, free form data entry, The Transportation Industry, Manufacturing, Security, Inventory Control, etc. They are intended for users who are on the go, making a stationary terminal impractical. One natural is use by Meter Mails to determine stolen car and to immediately enter a ticket on line....

The State of Iowa conducted a conference call that included approximately 379 people. The Central Information Delivery System (CIDS) includes a telecopier that can transmit written messages during conference calls. The entire conference was conducted via Northwestern Bell lines that connected simultaneously each of the 31 district offices of the State Dept of Social Services. NWB Vice Pres William Stauffer claimed it was a first, putting together a system utilizing voice and data transmission in the same package..... (from Bell Labs Magazine)

Recently an executive from Lincoln Telephone attended a conference and brought back a few interesting statistics that he shared with me. I am not sure what the source was, but the information is:

90% of all businesses overspend on the telephone, 10% to 15% of all phone bills is fat and 20% of all long distance is fat. Savings could be easily realized without affecting the quality of service and in some cases, it would improve the service.

Other interesting stats on same subject:

1. Only 2% of all business calls make the connection with the intended person called.
2. The average manager makes 41 incomplete calls a day!
3. Random phone calls cause interruptions, waiting and recycle times averaging at least 60 minutes a day.

In addition, they maintained that in the past 10 years, factory worker productivity leaped 83% and office worker productivity rose 4%. Office workers comprise 22% of the nation’s workforce and the labor costs for offices are increasing about 10% a year. Office costs are now equal to 40% of a company’s total expenses and that by 1985 more than half of the U.S. workforce will work in offices!

**Bits & Pieces, continued:**

"Our thanks to Norm Sefton for the above cartoon"...
"Phones & Petrol"

This morning's headline read "Californians use phones, forgo travel". I'm not sure whether this signifies another break through by our trendsetting friends from California or not. Given the sad state of our economy and the sadder state of our fuel supplies, the headline definitely portends a larger and more important role for the telecommunications manager in coming years.

More than ever it will be up to us to find new, cost effective ways to get the job done with less travel. I have a few thoughts on how this might be done--nothing earth shaking perhaps, but worth sharing.

I wrote a column awhile back on an interesting adaptation for the conference telephone. We built an interface that will allow conference phone use through our existing campus cable T.V. system, thus making it unnecessary to outfit a lot of classrooms with telephone lines. This idea is finally, after much tinkering, starting to take off and holds good classroom potential.

Another application which should not need mentioning is to use the conference phone to hold long distance staff meetings. I mention this because we should never assume that the obvious is always known by everyone. Lately I've had a couple of occasions to demonstrate the conference phone. Well lo and behold if that old conference telephone isn't looked at as quite an innovation by the uninformed!

On the more sophisticated side, we here continue to piddle around with the idea of a regional or state-wide teleconferencing set up. Wisconsin has done great things with this idea. Basically, they have a state wide leased line network with high quality, easy to use microphone/soundspeaker units at numerous locations. I believe it's all tied together with a device called a meet-me-bridge made by Darome, Inc. Perhaps Bob Devenish could give us a detailed rundown on how it works. This idea holds special value for multi campus institutions or large land grant schools with extension missions.

We fall into the latter category, although we do have a rather large graduate facility in Northern Virginia (250 miles away). It is located at Dulles International Airport which is about an hour drive out of Washington, D.C. This hour presents quite a commuting hassle to a large percentage of our students there--especially the Computer Science types who have to drive the distance in order to gain access to the computing facilities here in Blacksburg.

To alleviate this problem we're working on a way to allow students to access the Virginia Tech Computing Center by means of a local call from Washington. (Most have access to computer terminals where they work, but aren't allowed to run up the large phone bills it would take to use them.) We have several options worked out but thus far they all have problems.

The most promising involves using a high speed data line with multiplexors at each end. Unfortunately this appears to be the most expensive option. Other possibilities involve use of Electronic Centrex facilities with a call forwarding feature to route the calls to Blacksburg over our CCSA network. A third option is to use call diverters and go through the Dulles PBX and out over CCSA lines. It is difficult to explain these options adequately in this limited space. My point is that for every problem of this nature there are probably several possible solutions available. All it takes is some experience (and we all have at least a little of that) some contacts (i.e. good advice from fellow ACUTANS) and a liberal dose of imagination.

I sure would enjoy hearing from some of you on the types of travel problems you're facing and how you're handling them. Why not a short few words on the topic for future newsletters? As for me, I think next time you deserve to hear more about our Dulles Graduate Facility (also fondly referred to as "The Russian Front")

"TELEPHONE TAPE INFORMATION SYSTEM"

Doug Brummell, U of Rochester

As Universities grow and change, many new facilities programs and services come into being to meet the diverse needs of the community. While available resources expand, information about them become more difficult to find. As a result, members of the community are often unaware of resources and opportunities available to them outside of their own sphere of activity.

One way of improving this is a telephone tape information system. The basic concept behind this is that one office assembles a library of brief informational tapes on specific subjects which can be played over the telephone to callers requesting information on a specific subject. Such tapes can be departmental course offerings, information on residence halls, food service operations, buildings hours, counseling information and so forth.

The system could consist of the following:

- 2 telephone lines in trunk hunt
- 2 Dictaphone Ansafone 520's
- Cartridge tapes-3 minute length each

The telephone tape information would be located at the Telephone Center. All tapes would be numbered; no titles would appear on the announcement tapes. The caller would be required to supply the operator with the number of the announcement tape to be heard.

Based on current wage scales, the cost for providing one message tape request would be approximately $.13. Because there would be only two centrex lines, the need for additional operators is nonexistent. By using the Telephone Center, in most cases, around the clock service would be available to users.

The estimated start-up costs are $1,940.
"AT&T TO OFFER CORNUCOPIA OF SERVICES"
---by N.R. Kleinfield
(c) New York Times

It grows even faster than the United States. Every workday, its installers plug in 100,000 more telephones; its customers move so often that it must put in seven to gain one. Its long limbs connect 135 million phones (48,000 of them in cars and trucks) and, by the year 2000, it expects to have a hundred million more.

Every day, a torrent of 493 million calls hits through its trunks. Long-distance calling, if the projections of its planners are right, will swell 8 percent a year for the next two decades, overseas chatter, 21 percent.

In the more than 100 years of its existence, the sprawling American Telephone and Telegraph Co. has extended its service to virtually every American who desires it, at a price almost every American can afford. "Phones are more pervasive than bathtubs," one analyst says.

The nation seems essentially telephone-saturated—there are even phone booths in the middle of forests to oblige talkative hunters—but call volumes still spiral upward.

In fact, having a phone is no longer enough. People want more. Bell promises they are going to get it.

As the nation hurtles into the years of the "information society," Bell people say, all manners of ingenious capabilities will be common. The phone will automatically put through a wake-up call to you in the morning. It will electronically snap on the lights and air conditioner (or heat) shortly before you saunter through your office door. Dash off a staff memo at your desk and it will be automatically transmitted to the virtual devices attached to phones throughout your company.

On your lunch hour, you'll call home and get the clothes washer going. Later on, you'll have to momentarily interrupt a meeting to call the dryer. An hour before you wrap up for the day, you'll phone the microwave oven to start the Yankee pot roast. When you take off at the end of the day, the phone will lock up.

Pull into the gas station and run your credit card through a device. The gadget will dial a number over the phone lines to a data base that validates your card. The pump unlocks. You put in your 12 gallons of unleaded and are charged $50.

Other things, you will vote by phone. Electric and gas companies will read meters over the phone. And the mail will come by phone; no more postman with pouch slung over his shoulder.

Still other things. I'll want to repair my 1956 Granada," says Howard Anderson, president of the Yankee Group, a consulting group. "I'll call the specifics into a data bank and out will pour instructions on how to do it. I'll be out there in my driveway, flat on my back, all greasy, and I'll be shouting into my telephone, 'Now I've taken off the wheel, what do I do next?' And the phone will resound 'Now take out the bearings.' At night, I'll be doing my income taxes and there will be a computer program I can call to explain the horrendous mess to me. All of this from AT&T."

There might be a visual display on everyone's phone that prints out the number of the calling party. (Oh, no, it's Aunt Corky again! Let it ring. Better yet, punch a button that causes the phone to deliver a recorded message reporting that you have, on short notice, been sent to prison.)

Matters may be arranged so that there will be no phone books and no directory-assistance operators. You want a person's number? Dial the letters of the name and the number flashes on your display.

There will be no standard telephone. A cornucopian array of models will exist. Says the Yankee Group's Anderson, "If you want a polka-dot phone waking you up each morning to 'The Battle Hymn of the Republic,' be AT&T's guest." It is probable—in the long run—that the telephone will no longer be called the telephone. And so the name, the American Telephone and Telegraph Co., will become a misnomer (the telegraph portion already is a misnomer) and it, too, will undoubtedly be changed in time.

William G. Sharwell, AT&T's vice president in charge of planning, pondered the future: "The mobile phone has got to be one of the big areas of expansion. Not only will there be phones in every car, but a cordless telephone that you can carry around with you in your pocket. A possibility is a national telephone number for everybody. Anyone who wants to reach you can dial that number, and the call will be forwarded. You're sunbathing at the beach. You're in Beirut. You're climbing the Alps. The call will find you."

....reproduced from an article in the Lincoln Sunday Journal & Star, July 22, 1979, Lincoln, Nebraska .......

RING RING
President - ACUTA  
...Mal Reader,  
York University

Mal entered this world in Liverpool, England, Dec. 3, 1942. He attended the Uni of Liverpool and the Uni of Manchester, where he majored in Electrical Engineering. He served as a Lieutenant in the Royal Artillery.

Served 5 year Technician Apprenticeship Program with Plessey Telecommunications in Liverpool and with the British Post Office Tele Group. He emigrated to Canada in 1965 to take a position with Northern Electric Co (now Northern Telecom) as Systems Application Engineer. In 1966, Mal became head of the PBX Engineering Department at Plessey Canada in Toronto. He joined York University as Telecommunications Manager in 1970.

Mal is a charter member of ACUTA, joining in 1972, the first Canadian member. Region Director in 1972-73 & 1974-75; Conference Host in 1975; Secretary in 1975-76 & 1976-77; Seminar Co-host in 1977; Vice President in 1977-78; Executive Vice President during August thru October, 1978 and began his term as President in October 1978.

Married to Pauline, three children; Tim 12, Michael 9, and Julie 6......

Nominated for Executive Vice President,  
...Elwyn Hull,  
University of Utah

Elwyn is a native of Cardston, Alberta, Canada and was raised on a farm. He attended Brigham Young Uni in Provo, Utah. He met his wife Esther at Brigham Young and after fulfilling a two year mission for the Church, he returned to Brigham Young to complete his education and to marry Esther. He has a degree in Computer Science.

Through Esther, he met the Chief Operator of the University of Utah switchboard department. There he began his career in telecommunications as a secretary/switchboard operator.

Following graduation, Elwyn joined the Alberta Government Telephones as Computer Communications Specialist in Calgary. However, 3 years later, he and Esther and their child returned to Utah.

Elwyn joined the staff of the University of Utah as Administrator of a newly formed Telecommunications Department. During his five years at Utah, Elwyn has been responsible for setting up one of the more sophisticated University Telecommunications Depts in the country.

He is serving ACUTA in his second term as Secretary and is also currently serving an appointed term as Executive Vice President. Among his many contributions to ACUTA is the computerized membership list and mailing list. In 1978, Elwyn was the host of the ACUTA Conference held in Snowbird, Utah. A super success, which he planned and coordinated.....

Nominated for Treasurer,  
...James B. Dronsfield,  
Edinboro State College

Jim is Vice President of Administration at Edinboro State College in Edinboro, Pa. He has held that position since 1976 and has responsibility for Fiscal Affairs, Physical Plant, Law Enforcement & Safety, Telecommunications, Faculty Management Bargaining & Contract Administration.

He attended the Uni of Miami in 1955-56, majoring in Engineering. Received a Bachelor of Science in Geology from Allegheney College in 1959. He is presently completing his dissertation for a degree in Higher Education Admin from the University of Pittsburgh.

He was Special Consultant to the Carol Morgan School in Santo Domingo, Dominican Republic in 1974; Facilities Planning Consultant in 1974 to the Institute of Superior Studies, also in Santo Domingo. A member of Pi Delta Epsilon and Sigma Alpha Epsilon. He served ACUTA as the National Membership Chairman from 1975 thru 1977; was elected Treasurer in 1978 and still is serving in that position.

Jim and his wife Elizabeth have three children, Nancy, Steven and James.....

Nominated for Vice President,  
...John M. Wright,  
Uni of Tennessee-CHS

John is Director of Communications at the University of Tennessee for the Health Sciences. He has budgetary and administrative control of Telephone, Radio & Mail Comm. Services a 33 building campus and several off-campus cooperative medical operations. Served by a 4,000 station Centrex with an annual billing of over $1 million plus. Mail system handles 2.6 million pieces of mail annually and 254 daily mail drops and pick-ups. John has three radio systems, on for Medical Paging, one for Administrative Paging and one for the Campus Police, which has two-way radio operation.

John served 3 years as Finance Chairman for ACUTA and was Co-Host for a regional workshop in 1976. Sorted out expenses and income and put in order a budget recommendation for ACUTA in both 1978 and 1979. Active in ACUTA, NABER, Mid-South Postal Customer Council and acts as consultant for off-campus medical related operations across the state of Tennessee.

Hunts, fishes and has been known to play a little poker. Works diligently at teaching 3 young sons (ages 9, 4 and 3) the fine art of fishing and exaggerating size of catch......
Connie is serving as Publicity Chairman for ACUTA and has done an outstanding job in that capacity. She is the editor of a regular column in ACUTA News, "Podpouri" and has been responsible for getting the other regular contributors for the newsletter.

She is Conference Host for 1979 and was far too busy getting ready to welcome all of us to Atlanta to submit a resume. Super gal!

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Connie is the Director of Telecommunications for Emory University in Atlanta, Georgia. Her ancestors come from Scotland, and her last summer was spent visiting relatives and seeing the lovely sights in Scotland.

He joined the staff at the University of Wisconsin-Madison in 1967 as Assistant to the Director of Telecommunications and Communications Consultant, a position he still holds.

Mike’s main duties include consulting, design, implementation, training, forecasting, and projecting future growth and needs of the telecommunications system on campus.

Present system consists of 18,200 total stations and 15,600 working lines. Also responsible for all data and private line circuits, billing and inventory information.

Mike is a charter member of ACUTA, joining the organization in 1972. He participated in a panel presentation at the conference in 1978 at Snowbird, Utah.

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Ruth is the Director of Telecommunications at the University of Nebraska. She started her career as the night telephone operator at the University 21 years ago, was promoted to chief operator one year later and was made Director of Telecommunications when the administration decided to split the telephone operations from the Physical Plant in 1963. The office is responsible for total communications at the university and has responsibility for both institutions in Omaha and outstate.

Responsible for university facilities and coordination of all special projects and special events. The university is host for the National AAU Junior Olympic Games for the 4th time this year and Ruth is responsible for the project. She is also very active in competitive swimming and diving, conducts meets for city, state high school and universities, spending many volunteer hours in this activity. She has conducted National Olympic Trials in both swimming & diving.

Ruth is a charter member of ACUTA, joining the organization in 1972. He participated in a panel presentation at the conference in 1978 at Snowbird, Utah.

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Nominated for Secretary
...David Sonnega, Michigan State Uni

David is employed by Michigan State University as Senior Electrical Engineer. He has held that position for 6 years. He holds a BSEE and MBA both from Michigan State Uni. He is a registered Professional Engineer in the State of Mich.

His present job responsibilities include Telecommunications and Electrical Systems. He serves as liaison between university and its consultants, including Bell Telephone; Planning activities on both voice and non-voice network; and Design and contract administration responsibilities for the installation of a broadband coaxial cable network, which has the potential to handle all of the University’s non-voice communications needs.

Joined ACUTA 4 years ago.

Mike works out of the Physical Plant Division, Engineering Services at Michigan State Uni.

His hobbies include:
Golf, Tennis and Swimming.....

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Photo of Connie Gentry and Mal Reader reproduced from the image on Bell System's Picturephone Meeting Service. They attended a demonstration of the service in Atlanta, Georgia.
"UNIVERSITY OF ALBERTA TELEPHONE SYSTEM"

Fern Campbell of Edmonton, Alberta, Canada.....

The University of Alberta in Edmonton, Alberta, Canada is served by two telephone companies, 'edmonton telephones' is a city owned utility from which we lease all our telephone hardware and centrex lines. Alberta Government Telephones provide us with toll. Our system is a Centrex COII sharing a SPI switch with four other customers and is located in 'edmonton telephones' central office.

Our portion of this system has approximately 3,000 lines in service at this time, with five operating consoles. Our toll system is operator controlled.

"Selma Butt, Chief Operator/Alberta Uni"

Listed in detail below are the three projects completed in 1978/1979 which have reduced cost at our University.

University-Owned Pocket Beep er System

We (Department of Physical Plant) replaced our existing leased beeper system in March 1978 and purchased our own system.

Our system is a combination of Motorola Pageboy II receivers combined with a special telephone interconnect unit "Brutus II" which was manufactured by Tridon Communications. Brutus II is a solid state unit which provides encoder, decoder and controller access through a keyboard for the i.e. maintenance desk and telephone dial-up access through our Centrex SP.I exchange. This combination provides us the ability to conform with 'edmonton telephones' interconnect regulations. We have over 100 units in service in our department at this time. We do however, allow other departments to purchase their own receivers and share our system.

WATS-Operator Controller

January 1, 1979 our WATS system was up and running at the University of Alberta. We installed 9 Out WATS lines covering 4 geographic Canadian zones. The costs quoted to us by Alberta Government Telephones providing us with T.D.A. information to facilitate the re-billing to our departments was exorbitant. Therefore our Technical Services Department developed a system consisting of a P8 Microprocessor, a line status display unit plus a Digital Decuriter II to interface with 'edmonton telephones' relay contacts which indicate whether or not the line is in use. This system provided us with hard copy detail on all WATS calls-Console #, WATS line #, Reference #, elapsed time.

With all this data our departmental computer analyst developed a computerized billing system based on an established rate per minute which will include the telephone companies' service costs and administrative costs. This enables us to keep track of the total costs distributed to the users for comparison with costs billed by suppliers. The objective is to ensure that all associated costs are recovered and through comparisons with established toll costs record the system savings.

The administration of the WATS network requires preparation of a number of reports. The statistics are used to monitor line usage, compare billing charges, identify fluctuations, assist in staff scheduling, etc.

This system provides us with all these facilities and in future we are looking at the possibility of accessing the present campus telephone directory file. Possibly through a split-screen process. The operators could look up telephone number given the name of Campus staff while at the same time processing toll calls.

Elevators

March of 1979 we replaced the leased telephone equipment in all of our elevator cars with a customer-owned intercom system. All the special circuits involved are terminated on a Dukane 18A300 receiving panel located at our Control Centre.

ACUTA WELCOMES THE FOLLOWING NEW MEMBERS:

Region II

Thomas Hamby, Vice President Administration
College of Charleston
Charleston, S.C., 29401
803-792-5501

James R. Jenkins, Director-Comm Services
Continental Telephone Corp.
56 Perimeter Center East
Atlanta, Ga., 404-393-2323

Region III

Thomas O. Temhunfeld, Vice President
Corporate Communications Sciences, Inc.
1250 Superior Street, Cleveland, 0, 44114
216-566-9900

Ms Frances Weller, Manager Telephone Svcs
Concordia University, 7141 Sherbrooke St., W.
Montreal, Quebec, Canada H4B 1R6
514-682-0320 (X575)

Region VII

Henry Moriyasu, Director Auxiliary Services
University of Hawaii
1951 East West Road., Honolulu, HI., 96822
808-948-7971

ACUTA welcomes all of you and we will look forward to seeing hello to you in Atlanta!
"WHAT IS TMC?"

TMC, Telecommunications Management Corporation, is an independent consulting firm specializing in Telecommunications Utilization and Management, and offering a full range of services including Equipment Analysis & Design, Computerized Network Analysis & Design, Preparation of Bid Specifications, Manufacturer/Vendor Interface, Department Organization & Efficiency, and Complete Implementation Services.

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Our Education Specialist is a former University Telecommunications Manager who understands from 'Hands On' experience Telecommunications requirements and operation in an educational environment. Current clients in the education community include Boston College and The University of Virginia.

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