

FCC unleashes Bell System

The Federal Communications Commission on April 7 announced its decision to detariff customer premise equipment and to permit the Bell System to offer enhanced communications services through a separate subsidiary.

The Commission ordered the detariffing effective on March 1, 1982, establishing a two-year transition period.

Charles L. Brown, chairman of AT&T, applauded the decision at the recent company Annual Meeting in Boston, but voiced concern about the timing and specifics of restructuring required by the FCC ruling.

The ruling applies to all the telecom-

munication industry, including Bell and the independent companies, and covers the entire range of customer premises equipment — from black telephones to the most sophisticated data terminals and PBXs.

In addition, the Commission also moved to detariff all enhanced services, with "enhanced" covering the use of processing, restructuring of information, protocol, and code conversion.

In "detariffing" terminal equipment and enhanced services, the FCC retains regulatory jurisdiction and the option to reimpose tariffs, if necessary. It was the Commission's view that this arrangement would permit the Bell

System to participate in unregulated markets despite the 1956 Consent Decree. This decree in essence bars Bell System companies from engaging in unregulated services.

At a security analysts' meeting in New York City April 8, Mr. Olson, AT&T vice chairman of the board, said the FCC action in no way alters the Bell System's desire for a legislative solution to the issue confronting it and that "We shall continue" to pursue our course.

The portion of the Commission's decision that is as yet unclear and therefore will require careful study when available is the provision that a separate subsidiary be formed for the

offering of customer premises equipment and/or enhanced services, and the terms and conditions under which such a subsidiary may operate.

While the FCC ruling aims to accomplish much of the legislation pending in the Congress, Mr. Brown said the decision and the authority behind the decision leave questions. "It is the need to remove uncertainties like this that makes it urgent that Congress — once and for all — spell out the ground rules for our industry."

"But we're not waiting for Congress to make a market for us; we propose to create it for ourselves," Brown said. "Today the market opportunity we confront is virtually limitless."

The Valley Voice



Western Electric
Merrimack Valley Works
May, 1980

Oriana DeFranco featured in AT&T Annual Report

A Merrimack Valley Works employee is one of 16 Western Electric people featured in the 1979 AT&T Annual Report and was a special guest at this year's AT&T annual meeting in Boston.

Oriana DeFranco, a bench hand in the Crystal Quartz Unit Assembly Department, was randomly selected by computer from the System's more than one million employees.

The theme of the report is — "Each one—one in a million". The theme originates from a statement of policy first published in the 1977 Annual

Report — to "provide our employees, regardless of their number, a job in an organization where they are known and respected as individuals..."

The annual report includes photos of Bell System employees, representing a cross-section of various job-related activities and off-the-job interests.

As the Annual Report states, the 100 employees do a myriad of different jobs. They work in switching centers and offices, laboratories and factories, service centers and PhoneCenter Stores from coast to coast.



Oriana DeFranco—"one in a million"



DURING A RECENT tour Governor Edward King talked with Merrimack Valley employee Shirley Fultz.

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Armin Fick

Fick retires Zweier is promoted

The Western Electric Board of Directors has announced the following changes at the Senior Executive Vice President level:

Armin F. Fick, senior executive vice president since January 1, 1979, will retire at his own request after 39 years of service on June 1.

Paul Zweier, executive vice president, Manufacturing, will become a Senior Executive Vice President effective June 1.

The functions of the Senior Execu-



Paul Zweier

tive management will thereafter be realigned and restructured.

Under the restructuring, Guy Accettura, senior executive vice president, in addition to all corporate staff functions, Purchasing and Transportation, and Government and International Sales Operations, will assume responsibility for the manufacture of Customer Premises (Business/Residence) products. The Manufacturing Division, Station Equipment, will become part of his organization.

Mr. Zweier will be responsible for network products. Philip E. Hogin, executive vice president, Bell Sales, and Frank S. Vigilante, vice president,



Guy Accettura

Corporate Engineering, will report to Mr. Zweier, in addition to four other manufacturing division vice presidents, for Switching Equipment, Cable and Wire Products, Transmission Equipment, and Electronic Components.

The realignment of responsibilities at the Senior Executive Vice President level, according to the Board statement, is a step in the process of designing the Company's organization to meet the business needs of the '80s.

WE sets record

Western Electric posted record sales and earnings during 1979. In its annual report released March 12, the company showed 1979 sales of \$10,964,075,000, an increase of \$1.4 billion over the preceding year.

Net income for 1979 was \$635,898,000, up nearly \$75 million from 1978's results.

Within WE's 1979 total sales were \$324 million of sales made overseas by WE International. WE International's 1979 sales were up \$127 million from 1978.

Savings Bond Campaign offers higher interest rate

Putting money in U.S. Savings Bonds means a safe, easy and sure way to save for the future. During this year's Savings Bond Campaign, bonds with a higher interest rate, seven percent, will be offered.

The new U.S. Energy Bonds, Series EE, will be part of the Payroll Savings program. All employees will be asked to register even if they previously purchased bonds through the program. Canvassers for the campaign will contact employees until May 19.

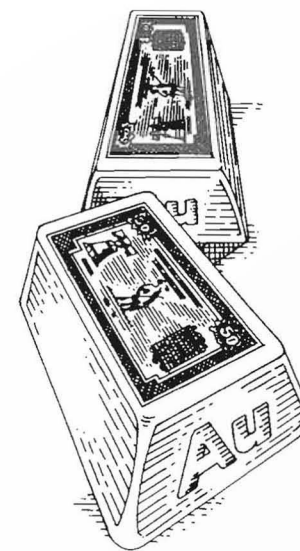
Changes from bonds issued formerly (Series E) through the payroll program include:

- U.S. Energy Savings Bonds, Series EE, have a guaranteed life of 11 years.
- Series E bonds that have not matured and U.S. Savings Notes (Freedom Shares) also receive the one percent energy bonus (previous interest rate was six percent) if they are held for 11 years from the date of the first semiannual interest period that begins on or after January 1, 1980. Bonds or notes redeemed earlier will not receive the one percent bonus.
- Savings Bonds, Series EE, will be available in denominations of \$50 and up. The purchase price on bonds is one-half of their face value, for example, a \$50 bond costs \$25, a \$100 bond costs \$50, etc.
- Series EE must be held for six months. Holding time was two months for Series E.

New bonds retain the safety, convenience and security of bonds formerly issued. They have unique tax deferral advantages. Owners never pay state or local income tax on accrued interest. Also, interest on the bonds may not be reported until it reaches maturity. Bondholders can often choose the best time to redeem interest. Many people find it most useful when retiring or going to a lower tax bracket.

Members of the Savings Bond Drive Committee include: Dick Hewett, chairman; Joe Frazetti, vice chairman, Larry Farrell, coordination and training; George Forte, statistics; Dick Munroe, Gary Reiss, computer consultants; Helen DeFusco, Frances Sullivan, payroll consultants; Louis DelGaudio, Richard Rapazza, union representatives.

Golden opportunity.



Take stock in America.
Buy U.S. Savings Bonds.

SAVINGS BOND COMPARISON

	Series E Bonds	Series EE Energy Bonds
Offering Date	Close over-the-counter sales Dec. 31, 1979; close payroll sales June 30, 1980	Begin Jan. 2, 1980; phase in payroll sales through June 30, 1980
Denominations	\$25, \$50, \$75, \$100, \$200, \$500, \$1,000, \$10,000	\$50, \$75, \$100, \$200, \$500, \$1,000, \$5,000, \$10,000
Issue Price	75% of face amount	50% of face amount
Maturity	5 years with guaranteed 20-year extension	11 years
Interest	Accrues through periodic increases in redemption value to maturity	
Yield Curve	4% after 2 months, 4.5% first year, increases gradually thereafter to yield 6.5% if held 5 years	4% after 6 months, 4.5% first year, increases gradually thereafter to yield 6.5% if held 5 or more years; 7% if held 11 or more years
Retention Period	Redeemable any time after 2 months from issue date	Redeemable any time after 6 months from issue date

The Valley Voice

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North Andover, MA 01845
617/681-2307



Regina Londergan
Editor

Correspondents:

Colleen Collins, X3849
Bonnie Magoon, X4895
Mike Deloge, X2746

Bob Zingali, X3629
Bob Grieco, X3826
Ed Crespo, X3778
Charlie Cote, X3206

Artist:

George Ares, X5074



Chairman Brown calls for moderate business strategy

AT&T shareowners meet in Boston

AT&T's earnings during the first three months of 1980 were the best first quarter results in the company's history, according to Chairman Charles Brown, but the effects of inflation caused the margin of earnings to be the smallest in five years.

Speaking to shareowners at the AT&T Annual Meeting April 16 in Boston, Mr. Brown said earnings per share for the first quarter of 1980 were \$1.98 as compared to \$1.96 per share for the same period last year.

He explained that the board of directors did not vote for a dividend increase during the quarter because "they decided that it was just too early in a very uncertain year to tell whether

a dividend increase this year would be warranted."

AT&T, he said, pays out more of its earnings in dividends than do most other companies but in these times it is not good business sense to increase the dividend faster than "we can increase earnings to maintain that dividend."

According to the chairman, all the Bell Companies are attempting to improve their earnings through "rigorous management and energetic marketing of our services." Where earnings do not meet the fair expectations of our shareowners or the needs of the future "We are seeking regulatory authority to raise prices."

"Right there you have the reason

AT&T OFFICERS DURING THE Annual Meeting April 16 at the Hynes Auditorium (l to r) James E. Olson, vice chairman of the board; William M. Ellinghaus, president and chief operating officer; Charles L. Brown, chairman of the board and chief executive officer; William S. Cashel, Jr., vice chairman of the board and chief financial officer and Frank A. Huston, Jr., secretary.

why inflation hurts our business more than most. Our prices are regulated; our costs are not... That's one reason why I look forward to the day when our business will no longer be kept out of unregulated competitive activities," he added.

Mr. Brown cited four factors that will govern the Bell System's prospects for the rest of the 1980's:

- the ways the telecommunications industry is regulated, "or I hope, deregulated"
- the scope of the market
- the capabilities the Bell System applies to serving that market
- the character of the business-its vitality.

Last year 4,205 of the Company's total employees participated in Western Electric's Tuition Refund Plan. This figure reflects an increase of 37 percent over the previous year.

The purpose of the plan, which has been in operation for 22 years, is to encourage employee self-development. It provides tuition assistance to full-time employees who wish to pursue approved programs of study at accredited colleges or universities. Since its inception more than 114,000 Western employees have taken part in the plan.

Surge Protection Project shipped ahead of schedule

The A7E Operating, New Design, and Engineering organizations attained outstanding shipping results of the A7E Surge Protection Project for Saudi Arabia.

In Saudi Arabia the A7E Channel Banks are in separate buildings from the switching equipment. The cables connecting the two are susceptible to lightning. The surge protection system is required to prevent lightning surges

on these outside cables from damaging the channel bank equipment.

The project consisted of new Bay and Plug-in codes, and was scheduled to start shipments in January, 1980 with completion by the end of April, 1980. Although this represented a shorter than normal manufacturing interval, the interval was further condensed and shipments were completed by March 28, 1980, four weeks ahead of schedule.

Works gets highest award

Merrimack Valley Works was awarded the President's Award by the United Way of Massachusetts Bay, North Region, for achieving exceptional fair-share giving in the 1979 campaign.

The Company's campaign contributions exceeded the 1979 goal by \$50,000, according to Walter Flinn, Information Systems Manager, and campaign manager for 1979.

The amount raised by Merrimack Valley Works exceeded \$400,000 an achievement that gave the Works the title "Pace-setter" during the 1979 campaign opening.

WE buys land in Virginia

Western Electric purchased a 500,000 square foot building in Radford, VA., which the company will modify for use as a general manufacturing plant for light electronic assembly operations.

The devices manufactured at the plant will be shipped to other Western Electric locations for inclusion in numerous types of telecommunications equipment. Purchase price for the land and building was in excess of \$7 million.

Roland James of the Implementation, Investigation and Implementation Development Section, was not sure if he should report to the Patriots or Western Electric after seeing his name in the newspaper as the football team's new defensive lineman. Only the same name.

Regina Londergan - New Editor

Regina M. Londergan becomes the editor of the Valley Voice starting with the April edition. Regina returns to Boston from Bell Laboratories, Murray Hill, N.J., where she was a press specialist in Public Relations.

Regina joined the Bell System as a college-hire from Boston University after receiving an M.S. degree in Science Communication in 1979. She received a B.S. degree in Nutrition from Marymount College, Tarrytown, N.Y. in 1976.

At Marymount, she wrote for the school newspaper and was a correspondent for the paper during an interim session in Finland and Russia.

Regina has written for various publications and helped start a newspaper in Boston. She was a Nutrition columnist and advertising coordinator for the paper. Regina was also a radio broadcaster at Boston University.



Regina Londergan

Energy corner

New feature of Bell System cuts cost

Faced with severe Chicago winters and a large hotel buffeted by lakeside breezes, the McCormick Inn sought ways to conserve energy. The answer was found in the telephone system.

The McCormick Inn recently installed a Bell System Hospitality Communications System-HCS 2000 with a new feature called Energy Communication Service (ECS). HCS is a customized service of Western Electric's Dimension® 2000 series.

Energy communications Service lets signals travel over telephone lines from special relays attached to energy consuming devices or device controls. These signals allow the hotel to manage energy consumption by applying three energy-saving strategies: peak demand shedding of equipment; switching off equipment in vacant areas; and time-of-day and time-cycling use of equipment.

The hotel is expected to save at least \$550,000 in energy expenses over the next 10 years, according to the hotel's vice president of operations. This year the system should reduce energy costs by about \$38,000.

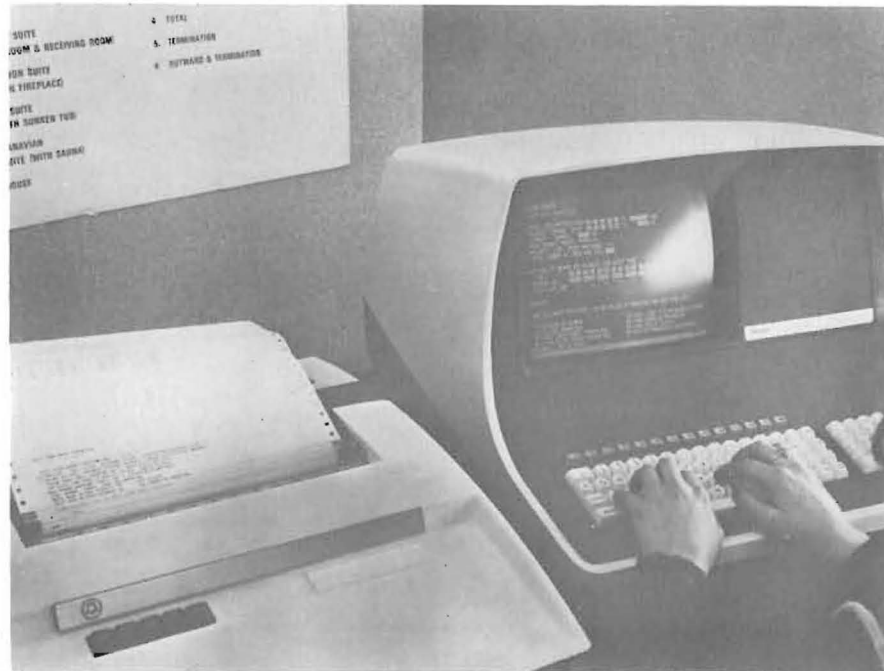
The Bell System introduced the Hospitality Communications System in

1977 to address communications needs unique to the lodging industry. HCS provides specialized features such as automatic wake-up calls, guest room inventory reports, telephone call toll billing and housekeeping information.

The Energy Communications Service feature — named Feature Package 9 by Western Electric — was customized to send messages to relay equipment that connects to energy consuming devices or energy control devices such as thermostats. Systems in offices, restaurants and meeting rooms shut down during vacant periods.

Since energy costs more during peak-usage periods, peak load shedding lets the hotel take advantage of the lower rates charged by utilities during "off" hours. ECS allows hotel management to monitor energy usage and selectively shutdown or cycle energy systems.

The Hospitality Communications System with ECS consists of a printer for a variety of hard copy reports on equipment and a video terminal with a standard size keyboard. Also, a power meter transmits the information on energy consumption back to ECS from relay switches which connect to telephone wires.



A VIDEO TERMINAL and printer help employees of Chicago's McCormick Inn use the Bell System's Hospitality Communications System with a new feature called Energy Communication Service (ECS). ECS, a customized service of the Dimension PBX made by Western Electric, lets signals travel over telephone lines from special relays attached to energy consuming devices.

On the job

From forecast to shipment

It all starts here," says Gerry Peterson, just as surely as Harry Truman said, "The buck stops here." Gerry is section chief of Equipment, Programming, Forecasting and Loading, and Editing-Section 84925. He works with employees who forecast and edit customer orders for equipment and apparatus manufactured at Merrimack Valley Works.

Gerry's section is the revolving door of the manufacturing operation. Here, about 20 people constantly plan and review customer orders before directions are given to the Shop.

The initial phase in the process is forecasting. About two years before an order is received at Merrimack Valley, projections for equipment and apparatus are received from Material and Account Management divisions and other works based on their business potential. These projections are reviewed with engineering, shop and materials management organizations to determine availability of facilities, manpower and material requirements. In other words, initial supply and demand is forecasted.

George Mercier, a Program Planner,

receives and negotiates these projections. George finds his job interesting. "It's like looking through a window into the future and seeing the business picture," he says.

After the requested program is received, it is broken down by product. At this point the program is reviewed with the engineering organization and shops.

"When a forecast is accepted," says George, "I plug in system requirements by product such as the Master Group Translator (MGT)." Then a buying pattern is established which generates necessary purchasing so that all the pieces come together at the same time. Now the Apparatus Shop selects material from the storeroom and the manufacturing process begins.

Forecasting is an ongoing process that constantly changes. Major revisions are made three times a year. "Particular emphasis is placed on eliminating sudden highs and lows in production requirements establishing level loading, where possible," says George.

Forecasting has a significant impact on the operation of the Merrimack Valley Works. Projected orders from customers directly determine the number of employees and material needed for the future workload.

Later when the Company receives the customer order, another major portion of the work called editing begins. In this area orders are received on a terminal and with one touch Pauline Moran, an Order Editor,

reviews orders before funneling them to others in the group.

If the order is not complete, Pauline refers it to another editor. This editor reviews the order, looks for the problem and contacts the customer to resolve discrepancies.

Frank Rindone, Editor-Assignment, sits with a terminal on his right, and on his left a viewer which he uses to check an equipment drawing against the customer order. Frank flips from one facility to the other to research discrepancies found in orders.

Frank "translates customer orders into Western Electric technology." He finds his job very exciting. He deals with the most complex problems in a customer order, but finds a solution to all of them. "The challenge is to resolve the problem," says Frank.

What happens in this close-knit group has an impact on many other areas of this location, such as Purchasing, Production Control, Engineering, operating shops, Customer Services, and others.

Even though Section 84925 is far from the entrance on Osgood Street, they are, in fact, the front door for our customers.

The Bell System network is a very complicated engineering structure. This story provides an oversimplification of the normal activity in this close-knit group. The many exceptions created because of the complexity of the network presents a challenge for not only the Equipment, Forecasting, Loading and Editing Department, but eventually for all of us.



George Mercier (left) and Frank Rindone, Section 84925, represent the forecasting and editing aspects of the group.

AR6A - Help is on the way

by Bob Zingali

5

We've got a new product at Merrimack Valley and it's going to help cure a lot of potential, and expensive, headaches for the telephone companies. It seems that microwave radio-relay routes (those tall oil-well type antennas with dishes at the top that you've probably seen dotting the countryside) currently carry about 70% of Bell System long distance service. With the growth of long distance calls (people are travelling less and using the telephone more) some routes will be filled by the early 1980's.

Building new routes to increase the capacity would be costly for land, buildings and equipment. That's where Bell Labs came to the rescue.

Bell Laboratories has developed a new transmission system called the AR6A System, with three times the capacity of existing networks. This new transmission system will postpone the need for building new routes until the late 1980's. The beauty of the system is that existing channels can be transferred totally to AR6A since it operates on the same frequency band - at three times the call carrying capacity. Because of this innovation, the new telephone equipment can be installed in existing stations using the same antennas, towers, waveguides and buildings.

It's like suddenly being able to get three times as many different stations on your existing radio at home.

Here's how it works:

A typical 4,000 mile (long haul) system has about 156 radio stations. At each station, spaced about 26 miles apart, voice and voiceband data signals are received and amplified from the previous station and then transmitted to the next station. Of these, 104 are repeaters with only a receiver and a transmitter. The remaining 52 are called main stations and are equipped with the new 500A Protection Switching System which protects the AR6A against equipment failures and reduces outages attributed to what is called "selective fading." The 500A is a very desirable feature (nobody likes to be cutoff on a long distance call or have the person on the other end fade in and out). The feature substantially improves the overall reliability and also simplifies the maintenance of the system.

Now how come we can triple the capacity of that crowded radio band now and we couldn't do it before? The answer is single-sideband transmission that has just recently been perfected for quality telephone usage. Amateur radio and marine communications have been using single sideband for years but the quality was never good enough for the Bell System. Along came two new developments, a super linear traveling wave tube and an electronic circuit that reduces transmitter distortion - that is, it makes your voice clearer and more faithfully reproduces your voice when you make a long distance call.

Single sideband uses an amplitude modulated (AM) signal, except it only uses half the signal. A full signal consists of a carrier and two equal side bands, but since the same information is carried on both sidebands, one can be eliminated. Remember, we can only do this now because of the two new developments mentioned above. Now what have we accomplished? Since we are only transmitting one sideband instead of two, we are saving power and therefore the transmitter efficiency is increased. And since it has only one sideband, the "voice" you send requires half as much space in the radio band as a full AM signal. This, coupled with our ability to put more message capacity in each sideband through new technology, enables us to triple our system capacity. Now that's a bargain!

Also included is an Automated Transmission Surveillance System (TSS-R) that provides complete

transmission performance overview plus rapid automatic localization of trouble.

Put them all together and you've got yourself a complete modular system with increased circuit capacity for use on existing routes with automated remote testing to insure transmission quality. Now there's a combination that's going to be hard to beat — and Merrimack Valley is the prime contractor!

A complete AR6A system has been manufactured at Merrimack Valley and installed in Missouri and is currently being evaluated by BTL. By the end of 1980, the AR6A should account for most of the new long distance route mileage added to the Bell System's microwave network. And you know what that means — more business for Merrimack Valley!



SANDY CARTER, a senior engineer, shows Taiwanese visitors the MAC-8 Microprocessor from the Digital Interface Frame. Dick Tarbox (far left) Bell Labs director of Carrier and Radio Terminal Laboratory, and Bill Banton, Director of Engineering at Merrimack Valley Works, look on. Visit was March 24-25.



THREE TIMES THE TRAFFIC ON THE SAME SYSTEM — Looking at a completed AR6A Transmitter-Receiver Bay in the Microwave Department are, from left, Tom Cleary, Section Chief, bay area; Vicky Wrigley, layout operator, and Irene Derouin, bench hand, microwave panel area, Department 81310.

etc...

The Valley Chorus presents the Annual Spring Concert May 14 and 15 from 11:00 a.m. to 1:00 p.m. A program for the second shift will be given May 13, 7:00 p.m. to 8:30 p.m. The concert includes old favorites such as "You'll Never Walk Alone" and numbers new to the chorus like "It's Only a Paper Moon". This year will be the final appearance of Choral Director Walter Norris.

...

The Spring Dinner Dance, sponsored by the Pioneers, will be held May 17, 7:00 p.m. - 12:30 a.m. at the Northern Essex Community College Student Union Building, Haverhill. Tickets are on sale during lunch hours in the Pioneers office.

...

Director of Engineering Bill Banton recently presented cost reduction certificates to 120 technical-professional personnel for 1979. Certificates were awarded in recognition of the recipient's participation in cost reduction investigations that result in lower prices for our products. Working on many cases during their careers, the recipients have individually received total cost reduction savings that range from \$250,000 to \$15.5 million. Currently, 349 Works technical-professional employees hold cost reduction certificates.

BSSP/SSP values announced

Date	Value per Unit	Units Credited per Dollar	Guaranteed Interest	
BSSP (AT&T)			12/31/79	1.0000
			1/31/80	1.0071
			2/29/80	1.0134
			0.9867	
SSP (AT&T)			12/31/79	1.0000
			1/31/80	1.0071
			2/29/80	1.0134
			0.9867	
Government Obligations			12/31/79	1.0000
			1/31/80	1.0071
			2/29/80	1.0134
			0.9867	
Equity Portfolio			12/31/79	1.0000
			1/31/80	1.0071
			2/29/80	1.0134
			0.9867	

Editor's Note: The Valley Voice has been asked to publish unit values for BSSP and SSP for a convenient guild to employees. Unit values are also announced over Newline, Ext. 5860, the first of every month.

Spring sports

May 7 was the opening day of the 1980 Women's Softball League and new members are welcome. The league meets each Wednesday, at 5 p.m. at the athletic field. Contact Michele Murphy X2431 or 2429.

The Men's Softball League began April 29 and meets at the athletic field Tuesday and Thursday at 5:15 p.m., 5:00 p.m. for doubleheaders. Registration is over; 16 teams have been formed. Contact Mike Noonan, 5045, for more information.

The WEValley Soccer League began its season April 28. The League meets at the athletic field Monday and Friday at 5:15 p.m., and new players are welcome. Experience is not a prerequisite. Registration forms are available at the WEValley Club Office or call Bob Bennett, 3013, or Joe Doucette, 2579.

Special Games for the Handicapped will be held June 22. Interested volunteers please contact Bob Gagnon, 2794, or Dick Clarke, 2423.

Past suggestion awards provide savings in labor, materials

The top suggestion award for January went to James Abbott, Dept. 89247, for \$810.

James suggested a new way to open quartz-growing autoclaves, eliminating the need to purchase bolts.

The top suggestion award for February went to Bob Gulezia, Dept. 80473, for \$415. He suggested removing unused hardware on the common digroup connector backplate assembly, at a savings in labor and materials.

Other award winners are:

January — Richard Mazzaglia, \$455; Marcelle Belanger, \$345; Arthur Fairbrother, \$325, and F. Wesley Bishop, \$285.

Alva Clark, James Davis and Francis LeVallee each received \$256.67, sharing an award of \$770 by proposing that a support be used to utilize plastic wire guides on automatic winding machines in Dept. 89660.

Betty Lewis was a \$130 recipient.

Those receiving \$50 awards follow: Frank Chapinski, Leslie Kus, Felicia Rapa, Arthur Smith (2), James Stiles and Russell Theriault.

Those receiving \$25 were: Ernest

Courcy, Salvatore Genuardo, Ernest Laviolette, Robert Nissen, John Pagnotta, Arthur Robichaud, Nicholas Scatamacchia (2), Joseph Turcotte and Michael Witham.

There were 26 awards in January for a total of \$3,720.

February — Frederick Welch, \$130; Irene Pitera, \$120; Peter Ciapinsky, \$100 in two separate \$50 awards; and Eleanor Dobson, \$100 in two separate \$50 awards.

Others receiving \$50 awards: James Dow, Howard Higgins, Mildred Saldi, Paul Sarcione, Wesley Straw and Richard Rurak, who also received a \$25 award.

Those receiving \$25 were: Ronald Baker, Andy Chakarian, Leonard Connolly, Naomi Culbert, Lawrence Dussault, James Farnan, John Gauron, Marlene Hannagan, James Papavacil, Hector Thompson and Joseph Comeau and Leo Glynn, both of whom also received \$12.50 awards.

Other \$12.50 awards went to Robert Dunbar, Edward Goyette, David Huse and Joseph Kanan.

There were 32 awards in February for a total of \$1,565.



A NEW FASHION IN GLOVES? No, Vivien Tartter and Ken Knowlton of Bell Labs are experimenting with special gloves dotted with reflective tape for hearing-impaired people. Reflective spots appear on a video monitor and when the hands move the motion duplicates sign-language.



Mini-Park proposed as Pioneer venture

Pioneer Mini-Parks, an exciting new project, highlighted a recent meeting to which President Frank Hennessey invited Laurie Diodati, President of the Merrimack Valley Council, Patriot Chapter.

The proposed project would involve volunteers from both chapters working together, to construct recreation areas and equipment for children in surrounding communities.

The typical Mini-Park is built of surplus materials on publicly owned land, by Pioneers from all facets of the telephone business.

The day of construction is actually the closing act of a drama which will begin months earlier when committee members meet with community leaders to determine a suitable site, appropriate design, and equipment.

Mini-Parks create a feeling of friendship, usefulness and good will between the Pioneers and the community that is hard to duplicate anywhere.

Want to help? Call Frank Hennessey, X2328, or Jack Peterson, X3822.

People Who Cared

The Pioneer Audio Ball Project suffered a dual loss in April with death of Life Members Jim Watters and Joe Smethurse. Both contributed valuable knowledge and expertise in the design and assembling operations performed by the Life Members every Tuesday morning.



JACK-AND-THE-BEANSTALK has a female counterpart in Jean [Stott]-and-the-Dracaena plant. This abundance of foliage started from one little seed and is now more than six feet tall. Jean, quality auditor in the D4 Common Units Department, figures when she retires in three years the plant will elevate itself to the beams.

Spring EDOP classes open

The second semester of the Pioneer's Educational Opportunity Program (EDOP) is under way.

There are 10 courses being offered, Beginners' and Advanced Knitting; two sections of Basic Automotive Maintenance, three sections of Basic Mathematics, Beginners' French, Public Speaking and Japanese Bunka, which is running Monday, Tuesday and Thursday evenings, 5 to 7 p.m.

The Japanese Bunka course has 75 enrollees, enough to add two additional weekly sessions, according to Muriel O'Brien, EDOP committee chairman.

"The number of courses offered for the spring semester is limited by the number of available volunteer instructors," she said.

Muriel hopes to continue the program in the fall, suggesting such courses as cake decorating, simple home repairs or crafts such as decoupage, quilting, and so forth.

"We hope to be able to offer a greater selection of courses at that time," she said.

"We welcome, as instructors, anyone who is willing to share his or her knowledge and expertise with their friends and co-workers," Muriel added.

The courses run from five to ten weeks, and are held in-house.

Jan Clevesy, our May Pioneer of the Month, is a very busy girl. She has been a Pioneer since 1976. She is currently a member of the Executive Board and active on three committees—Women's Social Activities, Men's Social Activities, and Entertainment. She is also assisting previous Pioneer-of-the-month Jan Fountaine in the very viable card program for patients in local Merrimack Valley Nursing Homes.

In her spare time Janice is active in a community program sponsored by the Affirmative Action Committee. This involves teaching Vietnamese refugees (boat people) English as a second language along with instruction on how to get along in their new environment.

Janice comes from a family of five brothers and two sisters. And, remarkably, five relatives are employed by Western Electric. They are Mel, Production Service; Eleanor Coburn, Quartz Cutting; Irl, Thin Film; nephew John and niece Cheryl.

Jan is a Business Management student at Northern Essex Community College. Her hobbies include cross-country skiing, hiking, raft and canoeing, and guitar lessons.



SECTION CHIEF Charlie Hartford (right) of the Materials and New and Changed Design Department is shown being presented his Life Membership Card by Pioneer President Frank Hennessey. He is a former member of the Executive Board and has 36 years service. He plans to spend his winters in Florida and summers at Angle Pond, Hampstead, N.H.

Upcoming opportunities

May

14 "The Strummers" - Union Mission	7:00 P.M.
20 Valley Guitar Club - Anlaw Nursing Home	7:00 P.M.
21 L.M. Club Executive Board Meeting	10:00 A.M.
23 Danvers Hospital - Bus Trip	
28 Rockingham Nursing Home - Bingo	7:00 P.M.

Volunteers Needed to Share in Festivities Call:

Glynn Hospital Bingo	Mary Chadwick	X4835
Danvers Bingo	Bob Donahue	X4986
Tewksbury Women's Bingo	Mae Judge	X2492
Valley Guitar Club	Mac Emshwiller	X6140
Rockingham Home	George Durling	X2255

Moves

J.J. Comerford, Department Chief, Special Assignment, to Department Chief, 84910, Customer Service High Frequency Lines (new), effective March 10.

N.O. Dickerson, Department Chief, 01MV211370, to Quality Assurance Manager, Gateway II, Newark, N.J., effective March 15.

C. Popik, Quality Assurance Manager, to Quality Assurance Manager, 01MV211300, Kearny, N.J., effective March 15.

R.L. Mattes, Quality Assurance Manager, to Quality Assurance Manager, Southern Region, Atlanta, Ga., effective March 15.

Joseph A. Frazetti, Department Chief, Installation, Cincinnati, to Assistant Manager, Customer Service and Stores, MVW, (new), effective March 17

O.E. Niemi, Senior Engineer, Product Planning-Radio, 12MV110610, to Department Chief, Quality Assurance Engineering Control Center, 01MV211370, effective April 1.

T.J. Doyle, Material Planning and Product Service Manager, Material and Account Management Division, to Manager, Materials Management, Denver Works, Station Equipment (new), effective April 1.

E.M. Zatzos, Department Chief, Apparatus Shop Service and O.W. Ordering and Services Department, to Department Chief, T1 Repeater Department, 81110, effective April 1.

R.W. Strauss, Department Chief, T1 Repeater Department, to Department Chief, D3 and D4 Process Center, 81120, effective April 1.

J.J. Cadarette, Department Chief, Packing, Shipping and Warehousing, 84940, to Department Chief, Apparatus Shop Service and O.W. Ordering and Services Department, 84510, effective April 1.

E.A. Stryeski, Department Chief, L4, L5, L5E, MMX-2, MGT Bay and Panel Department, 81840 and 81940, to Department Chief, Packing, Shipping and Warehousing, 84940, effective April 1.

J.J. Sayers, Department Chief, Miscellaneous HIC Manufacturing Department, 89330, to Department Chief, L4, L5, L5E, MMX-2, MGT Bay and Panel Department, 81840 and 81940, effective April 1.

R.M. Lewis, Department Chief, R/C Hybrid Circuit and 107A HIC Department, 89310, to Department Chief, Miscellaneous HIC Manufacturing Department, 89330, effective April 1.

M.S. Foulds, Department Chief, Repetitive Core Coil Department and Ferrite Department, 89670 and 89690, to Department Chief, R/C Hybrid Circuit and 107A HIC Department, 89310, effective April 1.

P.J. Fines, Department Chief, Hybrid Integrated Circuit Engineering, 27210, to Department Chief, Repetitive Core Coil Department and Ferrite Department, 89670 and 89690, effective April 1.

R.A. DeVincentis, Section Chief, High Volume Transporter Shop, 81271 to Department Chief, DDS Circuit Packs Dept. 81520, effective April 1.

L.M. Moore, Section Chief, Coil Winding, Repair and Paper Filled Section, 89661, to Department Chief, LT-1, A-6, T2, M12, M13, M34, M1C, T4M and MX-3 Circuit Packs Depts, effective April 1.

H.W. Starnes, Section Chief, High Volume Transporter Shop, to Department Chief, High Volume Transporter Shop, effective April 1.

W.J. Sullivan, Section Chief, L4, L5, MMX, MGT Inspection and Test-Bay, Panels, Modules, PWB, to Department Chief, Mini Cords and Cables, and Miscellaneous Carrier Panels and Networks Departments, Shawsheen, effective April 1.

G.J. Engelhart, Planning and Development Manager, MAM Division, to Engineering Manager, OSS System, Installation and Computer Technology, effective April 15.

Gertrude L. Roy, Repetitive Spool Coil Department, March 31, 1980, 25 years.
John J. Lyons, Process Department and Industrial Engineering, April 3, 1980, 23 years.

Della M. Zannini, Repetitive Core Coil Department, April 3, 1980, 20 years.

George W. Wicker, D3 & D4 LT-1 & T1/OS Integrated Bay Department, April 4, 1980, 20 years.

James L. Batts, Apparatus Shop Service and O.W. Ordering and Servicing Department, April 9, 1980, 23 years.

Carmen A. Dastoli, Packing Shipping and Warehousing Department, April 10, 1980, 16 years.

Anita I. Cook, Misc. HIC Manufacturing Department, April 11, 1980, 20 years.

Benjamin M. Fedenyszen, Equipment and Apparatus Drafting, April 11, 1980, 20 years.

Virginia D. Holbrook, T1 and TIC Repeater Department, April 11, 1980, 18 years.

Athalene P. Rival, LT1 Connector Plug-In Department, April 11, 1980, 24 years.

Rita B. Kleponis, Repetitive Spool Coil Department, April 11, 1980, 18 years.

Russell G. Dubois, D3 Common Unit, Dataport and D3-D4 PCU Department, April 21, 1980, 24 years.

Obituaries

Beverly R. McPherson, 42, Inspector, March 9.

Earl D. Benjamin, 64, Bench Hand, March 15.

Thomas V. Delva, 70, retiree, March 23.

Mae D. Lessard, 66, retiree, April 1

Jeanie D. Johnson, 56, retiree, April 11.

Anniversaries

NAME	MAY	DEPT.
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30-Year Anniversary

Albanese, Robert J.	4	27480
Bozeman, Gladys	30	81923

25-Year Anniversary

Cordes, Kathleen A.	2	81851
Cutler, Robert	2	89248
Jensen, Richard A.	2	89231
Smith, Peter J. Jr.	2	21742
Dubois, Russell G.	5	81131
Enright, Thomas G.	5	03720
Roberts, Harold A.	5	89279
Aliberti, Rosalie M.	9	81931
Duma, Andrew	9	81844
Keleher, Daniel J.	9	27440
Peabody, Benjamin A.	9	89387
Walsh, Edward B.	9	21510
Barbin, Raymond P.	10	81883
Martyn, Anthony J.	10	84523
Archambault, Fred A.	11	21970
Raymond, Arthur G.	12	21330
Barysaukas, Concetta	14	89362
Baxter, Lorraine A.	16	89669
Currier, Eileen M.	16	81831
Delisle, Alfred L.	16	21460
Lee, Dorothy B.	16	89674
Lewis, Marlynn P.	16	27510
Lord, Kenneth G.	16	89248
Mercier, George S.	16	89248
Mitchell, Howard C.	16	89313
Turner, Clayton K. Jr.	16	27410
Cinalli, Joseph P.	17	21410
Mahoney, Mildred M.	18	81881
Bedard, Maurice J.	23	81994
Blinn, Mary E.	26	89382
Slauter, Andrew R.	27	21741
Powell, James H.	31	84524

20-Year Anniversary

Bonanno, John J.	2	03575
David, Ovila H.	2	81919
Fournier, Gertrude T.	2	89612
Gonsalves, Isabelle	2	89694
Hayden, Robert L.	2	21430

Levesque, Dorothy M.	2	81983
Paris, Katherine Z.	2	89829
Paris, Mae D.	2	89812
Zmuda, Joseph Jr.	3	89394
Cartledge, Francis J.	4	21430
Cravino, James R.	4	02332
Mushial, Richard G.	4	27220
Wengrzyn, Carole H.	5	80463
Stagakis, Elwood T.	8	21410
Bonin, Bertha G.	9	81933
Chase, Benjamin R.	9	89249
Donovan, Robert F.	9	81916
Dube, Mildred R.	9	89694
Kimball, Donald L.	9	81944
Leduc, Joseph L.	9	89384
Royer, Rita R.	9	81840
Menard, Stephen H.	10	81132
Brown, Barbara W.	11	89624
Dion, Joseph A.	16	89235
Maloon, William G.	16	84533
Miller, Viola G.	16	89674
Robert, Normand D.	16	21745
Scalia, Claire G.	16	89845
Wagner, Stella Y.	16	81927
Willman, Joseph W.	16	89274
DeJonker, Fotula P.	17	81148
Sandner, Rosalie C.	17	81841
Zagranis, Veronica W.	17	81936
Melanson, George E.	18	89245
Flanagan, Mary B.	19	02321
Menard, Philip A.	19	81831
Naujoks, Walter H.	19	89389
Gallant, Hilda G.	23	89829
Goodwin, Raymond E.	23	84934
Macaione, Madeline G.	23	81122
Medwid, Michael	23	84933
Owen, William E.	23	81971
Farley, Daniel P.	24	21330
Fraize, Bradford W.	24	81222
Susi, Zelia C.	24	80423
Penkus, David C.	26	21321
Censullo, Grace T.	31	89612
Hanscom, Richard C.	31	81972
Morrill, Elizabeth A.	31	81123
Russo, Joseph V.	31	84942
Salemme, William N.	31	80472
Sullivan, Robert A.	31	89691

Retirements

Alfons Kleponis, Filter, Equalizer & Network Department, April 21, 1980, 24 years.

Mary J. DeOrio, Ferrite Department, April 22, 1980, 20 years.

Edward J. Sagan, Repetitive Spool Coil Department, April 23, 1980, 24 years.

Joseph Grudzinski, Tool Construction & Maintenance Department, April 25, 1980, 23 years.

Victoria E. Sawyer, A-6 Monolithic Crystal Filter Department, April 25, 1980, 20 years.

Sadie S. McGrail, Filter, Equalizer & Network Department, April 26, 1980, 27 years.

Michael A. Rurak, Plant Construction & Services Department, April 29, 1980, 27 years.

Frances R. Duda, T1 and TIC Repeater Department, April 30, 1980, 18 years.

Mary G. Flynn, D3, D4 Process Center Department, April 30, 1980, 19 years.

Emil J. Tanana, Engineering Manager - Installation, Repair & Computer Technology, April 30, 1980, 32 years.

John A. Zukas, Substrate Metalization and Glazing Department, April 30, 1980, 34 years.

L.W. Dockray, Transmission Equipment, April 30, 44 years.