

**FAIRCHILD WESTON  
SYSTEMS INC.**

FAIRCHILD WESTON  
Schlumberger

FAIRCHILD WESTON SYSTEMS, INC.  
DATA SYSTEMS DIVISION  
P.O. BOX 3041  
SARASOTA, FLORIDA 33578

VOL. VIII, NO. 1

JANUARY, 1986

## JOE KELLER APPOINTED TO HEAD COMMUNICATION SYSTEMS GROUP

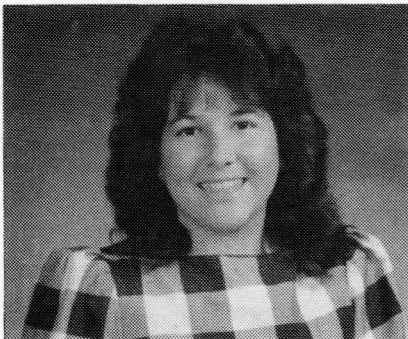
Louis H. Pighi, President of Fairchild Weston Systems, Inc., has announced that R.J. Keller is appointed Vice President and General Manager of the Communication Systems Group. The group consists of the Electronic Systems Division, Syosset, N.Y., and Data Systems Division, Sarasota, Fla.

Mr. Keller continues as General Manager of the Data Systems Division, and Mr. Frank Ernandes is General Manager of the Electronic Systems Division, reporting to Joe Keller. Mr. Keller reports to Mr. Pighi.

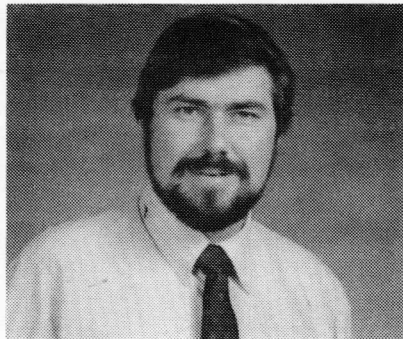
The Electronic Systems Division deals primarily in communications jamming equipment, with special technical strength in high-powered RF jamming systems. The communications jamming equipment consists of radio receivers which receive the signal. The signals are processed to determine what is there, and the operator uses this information to attempt to jam the signal. The Electronic Systems Division produces the U.S. Army's TLQ-17A.

"The work done at the Electronic Systems Division is complementary to the product lines at Data Systems Division in Sarasota, and I believe the two units will find many ways to work together for our mutual benefit," Joe Keller said.

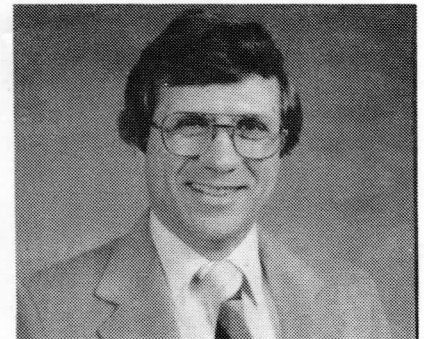
## WELCOME ABOARD NEW EMPLOYEES WHO JOINED US RECENTLY



**KIMBERLY BAKST**  
Accounting Clerk  
Accounts Payable



**MIKE EISENBISE**  
Facilities Manager



**BILL MANDAKIS**  
Principal Reliability Engineer,  
Quality Assurance

## BOEING AWARDS CONTRACT FOR \$4.6 MILLION JOB

Boeing Commercial Airplane Company, Seattle, has awarded a contract to Data Systems Division to provide 28 airborne Acquisition Interface Assembly units for use in testing new Boeing aircraft. The contract is valued at \$4.6 million.

This capital equipment purchase by Boeing calls for Data Systems Division to design and supply sophisticated telemetry boxes which will be mounted on a new test bed to be utilized in flight testing new Boeing aircraft configurations.

"These units are a very advanced product, right at the leading edge of the newest technology," said Carl Schleicher, Director of our Telemetry Organization. The new AIA box will include bit sync, frame sync, subframe sync and data processing in one compact box, and will incorporate portions of the 8000-Series product line technology and new high-speed processors.

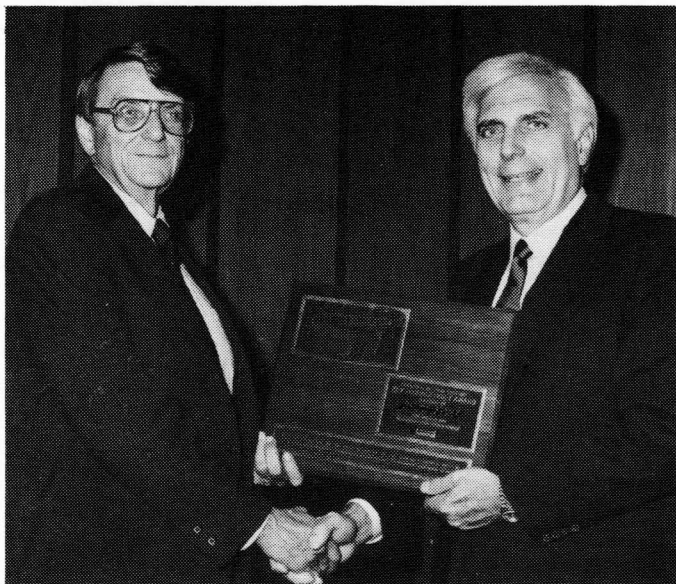
An initial prototype unit is to be delivered in about ten months, and delivery of one or two units per month is scheduled thereafter.

Among the employees contributing to this successful proposal effort were Bill Anderson, Jon Brown, Jack Cain, Frank Hurlburt, Tim Gatton, David Payne, Jack Pett, Gary Schumacher and Earl Studenwalt. Bill Anderson will serve as Program Manager and David Payne is Program Engineer for this major contract.

**AN EQUAL OPPORTUNITY EMPLOYER M/F/H/V**

## KENNETH HOAGLAND WINS KEY TECHNOLOGIST AWARD

Kenneth A. Hoagland, Senior Consultant Engineer in the Imaging Systems Division of Fairchild Systems, Syosset, N.Y., received the Key Technologist Award for 1985. The prestigious award is presented annually to a Fairchild Weston Systems employee in recognition of outstanding technical contributions.



*Kenneth A. Hoagland (left) accepting the 1985 Key Technologist Award from Louis H. Pighi, President of FWSI.*

Mr. Hoagland's career began in 1941 at the A.B. Dumont Laboratory in New Jersey. He was involved in Cathode Ray Tube development, and when the E/O System group of A.B. Dumont was acquired by Fairchild in 1961, he expanded his interests to image detectors and systems. He has been a major contributor to the success of the Charge-Coupled Device (CCD) development program at Fairchild, and holds ten patents.

The Key Technologist award was one of the events of the Third Annual Fairchild Technology Seminar held in Old Westbury, N.Y. on September 26, 1985. At the Seminar, Joe Lehmann, Senior Staff Engineer in our Signal Processing Systems group, presented a paper entitled "Narrow Band Synchronization Detection with Rapid Acquisition and Tracking."

Previous Key Technologist Award winners are:

1984 - William N. Waggener, Data Systems Division  
Technical Director

1983 - Ralph Wight, Technical Director, Imaging  
Systems Division, Syosset

## DATA RECORDERS ORDERED FOR COMMAND POST PLANES

An order has been received from Electrospace Systems, Dallas, Texas, for a quantity of instrumentation recorders to be installed on Presidential command post aircraft based at SAC headquarters, Omaha.

"These are the aircraft which serve as the base of operations for the Presidential entourage in case of national emergency," explains Steve Hoff, Sales Manager for Data Recorders. "Ten of our Model 85T's have been ordered. Each machine can record 28 channels of radio communication, basically recording the voice communications between the fleet, ground, and SAC headquarters, in a continuous recording application."

The initial portion of the order has been logged and the remainder of the contract is being negotiated, Hoff said. Total value of the contract is expected to be over \$500,000, with 1986 delivery scheduled.

Team members who succeeded in securing this business for Data Systems Division included Loy Dunkel, Tom McCarthy and Jack Long.

### **DON'T FORGET THE BIG FAIRCHILD WESTON BASS FISHING TOURNAMENT**

**Saturday, February 8  
8 a.m. - 4 p.m.  
LAKE MANATEE**

**PRIZES --- \$5.00 ENTRANCE FEE**

**For details, see bulletin boards or Billy Fincher  
(Machine Shop) or Mike Venneman (Short Run  
Shop) or Call Personnel, Ext 5251.**

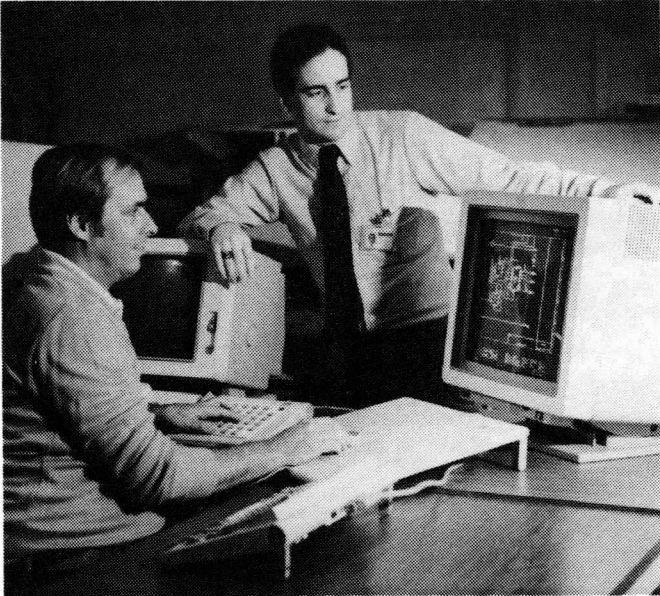


## NEW CAD WORK STATIONS BECOMING OPERATIONAL

Four new IBM Computer-Aided Design (CAD) work stations have been installed and are working in our CAD area -- part of the new IBM 4361/5080 CAD/CAM system which is being used for printed circuit board design. (CAD/CAM stands for computer-aided design and computer-aided manufacturing.)

The new CAD/CAM system utilizes a Model 4361 IBM Computer in our MIS computer facility, running a software package which drives graphics terminals (5080) in our CAD area. Current FutureNet and VALID computer-aided engineering stations are now being prepared to upload schematic information into this new system.

Ben Robinson, Chuck Arterton, Jay Boardman and Carroll Cissel have received training on the new CAD system work stations. Mike Rhodes in MIS works with the computer operating system software.

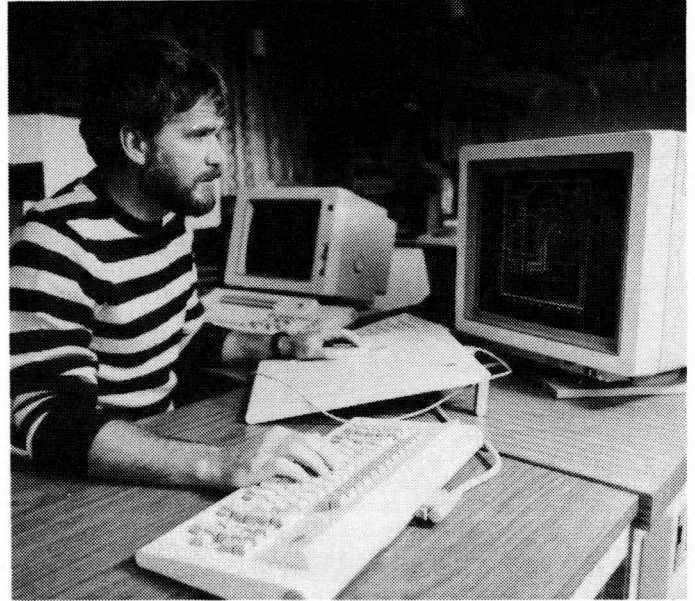


*Electro-Mechanical Designer Jay Boardman and CAD Supervisor Ben Robinson at new IBM CAD work station. Visible on the screen is a printed circuit board design.*

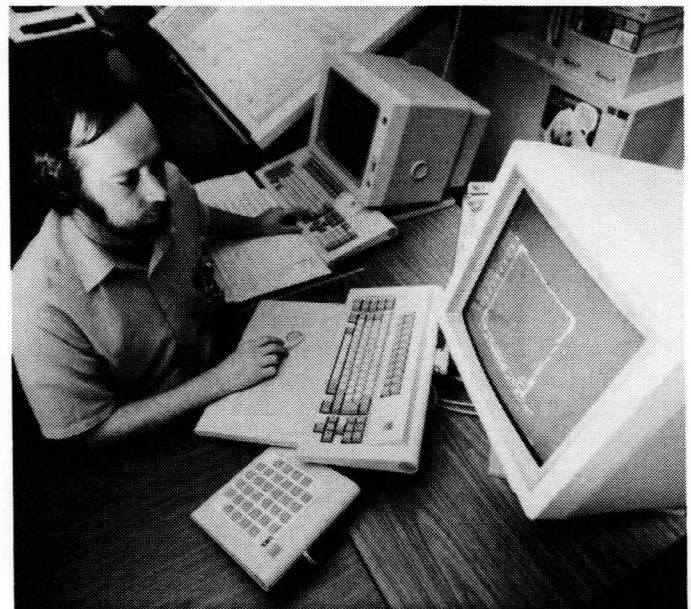
"In CAD we are starting some design work on a couple of printed circuit boards, and are beginning the process to make the system conform to our in-house P.C. board and drawing requirements," CAD Supervisor Ben Robinson said.

One of the interesting characteristics of the new CAD work stations is the color shadings available. There are eight basic colors, but by "mixing" percentages of the colors, the Designers can come up with 256 color shades displayed on the CRT screen. Different shades of color help the Designers highlight the circuits or components they are working on or changing.

After the P.C. board circuitry is finalized in the CAD area, the information is put on mag tape. The mag tape controls the Gerber photo plotter in the Photo Lab (Pat Lahmers) to make the art work or film. The film then goes to Checking in Drafting (Ray Wilson). After checking, the film art work goes to the P.C. Fab area for the production cycle, and then on to Assembly, etc.



*Carroll Cissel, third shift Electro-Mechanical Designer, is one of four CAD employees currently working with the new IBM CAD printed circuit board design system. On the screen is the first P.C. Board to be routed on the new equipment.*



*Chuck Arterton, second shift Electro-Mechanical Designer, with one of the four new IBM CAD (Computer-Aided Design) work stations located in our CAD Room.*

## **BUSY EMPLOYEES GAIN DISTINCTION IN VARIED ACTIVITIES**

### **NEW ADDITION**



*Marc Kolchakian, of Traffic, is proud of the latest addition to the family farm. "Quicksilver" is the name of this newborn miniature horse pictured with Marc and the mother, Estralita. The new gray colt has a white mane and tail and stands 20 inches high.*

Marc Kolchakian and his wife Barbara have ten miniature horses on their ten acres in Myakka City. They call their spread "Crackerbox Farm" and have been raising miniature horses since 1980. The couple breed the little horses and show them, and sometimes sell the gentle animals which have won awards at numerous miniature horse shows.

### **EVELYN CHRISTIAN ELECTED TO IAQC BOARD OF DIRECTORS**

Evelyn Christian, Group Leader in our Printed Wiring Assembly group, was elected to the post of Director-at-Large for the Tampa Bay Chapter of the IAQC (International Association of Quality Circles). Evelyn Christian and Circles Facilitator Freddie Masse are both Directors of the Chapter, elected for one-year terms.

The IAQC Tampa Bay Chapter promotes employee involvement activities in the work place. Evelyn is the Circle Leader for our P.C. CHARGERS Circle, representing the Printed Wiring Assembly group.

### **ARTERTON WINS DIPLOMA**

Charles F. Arterton, Electro-Mechanical Designer in our CAD area, has successfully completed the NRI Master Course in Microcomputers and Microprocessors WITH HIGHEST HONORS. Chuck recently finished the three-year course of independent study and received his diploma. NRI, in Washington, D.C., is accredited by the Accrediting Commission of the National Home Study Council. For more details about Chuck's activities, please see the story on our new CAD system.

### **HAMFEST SPEAKERS**

Woody Griggs (Test Engineering) and Hans Napfel (Aviation Recorders Engineering) participated in the Sarasota Hamfest on January 11 at the Civic Center. The gathering of amateur radio operators heard Hans give an overview of computers for the amateur radio operator's use, and Woody talked about computer interfaces with your ham radio setup. The two men are always generous in sharing their expertise with other Hams.

### **WINNING ROOKIE**

Cathy Wilson captured the "Rookie of the Year" trophy at DeSoto Speedway's awards banquet recently for her performance as a driver in the Mini Stock class during the 1985 racing season. The young wife and mother of two drives a Datsun 610 in the raceway competition every Saturday night. Her husband Eddie is now her pit crew, rather than racing himself. She also placed sixth in points for the season in a field of nearly 20 drivers, of whom only four are women. Cathy works in our Telemetry Assembly group.

Her car also took "Best Looking Car" award in the opening race of the season.



Cathy Wilson frequently enjoys a Victory Lap in the Datsun 610 she drives in the Mini Stock class at DeSoto Speedway.

## A NEW FEATURE

# GETTING ACQUAINTED WITH CIRCLE MEMBERS

*PULSE is pleased to offer a new feature about the Data Systems Division employees who are involved in our Circles. Special thanks to the Circle members who contributed these notes to help us all get better acquainted.*

### WORD WRANGLERS CIRCLE

The Word Wranglers Circle consists of a variety of CPT users from four departments-- one supervisor, three word processing operators, one secretary, and one technical writer. The group feels that much of its success is due to this mix of diverse backgrounds in the Circle.



**WORD WRANGLERS Circle members are: Dianne McBroom, Sandy Basham, Pat Zieschang, Circle Leader Kathy Boley, Mark Hanigan, and Joy Fischette.**

**KATHY BOLEY**, Circle Leader, is Supervisor of the Word Processing Center. Kathy's career at Fairchild started in 1972 and was interrupted by the birth of her daughter in 1974. Kathy recently completed ten years of service since her return. The busy wife and mother of two enjoys swimming, reading, and Jazzercise.

**PAT ZIESCHANG**, Assistant Circle Leader, is Secretary in Records Engineering. She has been with Fairchild for almost six years. A devoted wife, mother of three grown sons, and a youthful grandmother, Pat enjoys her home, flowers, sewing and reading.

**SANDY BASHAM**, wife of Ron Basham, of Configuration Control, joined us eight months ago as a Word Processing Center operator. The Bashams have two children. Sandy enjoys all types of crafts. In her spare time she has had the patience to teach others to knit and crochet.

**JOY FISCHETTE** joined the Word Processing Department in January, 1985, after nearly five years in our Field Service Department. Joy is a busy wife and mother of two sons, and spends her spare time raising and showing purebred American Shorthair cats.

**DIANNE McBROOM**, Word Processor Operator in our WP Center, joined Fairchild in April, 1984. Dianne has made word processing her career for 11 years, and also enjoys Jazzercise.

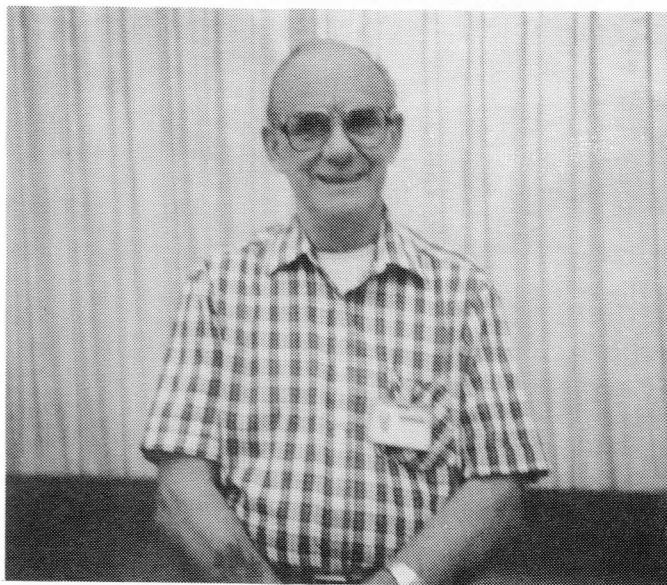
**MARK HANIGAN**, Technical Writer in SPS, has been with Fairchild Weston for 18 months. His goal as a writer is to find more efficient ways to produce documentation. Mark enjoys life in Sarasota with his wife and son.

## FRED SPREEN IS A NEW RETIREE

Fred Spreen retired from active service with our Machine Shop and Sheet Metal group earlier this month after a long career in the machining trade. The New Jersey native joined our company in 1978.

With his wife, Fred is planning some trips as well as catching up on the chores that always need attention around the house. He served on a Navy submarine, the Bugara, during World War II, and saw active duty in the Coral Sea, Java and Australia area of the Pacific. The Spreens have two daughters and five grandchildren, and expect to be visiting Texas, Oklahoma and Atlantic City before long.

Happy days to you, Fred, from all your friends at Data Systems Division.



**Fred Spreen, new retiree.**



## SAFETY AWARENESS PAYS

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**INSURANCE TIPS -- TO HELP  
WITH YOUR BENEFIT CLAIMS**

Need a little help with your Group Insurance claim forms?  
Here are some helpful tips:

- \* Our group medical and dental coverage remains the same. Only the insurance administrator has changed to Connecticut General.
- \* We still have a \$100 annual deductible per person, or \$200 per family, on medical claims.
- \* Pre-certification for hospitalization for overnight or longer is still required. A second opinion is also required for certain procedures.
- \* If you have been pre-certified for a hospital stay and must remain in the hospital for a longer period than pre-certified, be sure to call Connecticut General to extend the hospital stay certification.
- \* Claims for 1985 medical expenses? Send them to Connecticut General, also.
- \* Your benefit request form must accompany EACH insurance claim you submit. Use the forms and envelopes provided, and send your claims directly to Connecticut General. Don't forget your address!
- \* Forms and envelopes are available at the boxes near the Cafeteria and near Personnel.
- \* Only YOU will receive the explanation of benefits. Please be sure to keep your copy.
- \* Our Prescription Drug program continues as it has been, and is administered through PCS. New prescription drug cards were issued recently.

**EMPLOYEES NOTIFIED  
ABOUT SAVINGS PLAN**

Wondering when you can join the Data Systems Division Savings Plan?

Our Benefits Office (Alma Sanger) sends a notice to each new employee to inform you that you are eligible for the Savings Plan on the first day of the calendar month following completion of 12 months service. When you receive that notice, please be sure to complete the enrollment form -- whether you wish to contribute or not -- and return the form to Alma Sanger, Benefits Office, Mail Stop 11.

The Savings Plan currently gives employees an opportunity to reduce your income tax by signing up to contribute through a 401(k) plan. Whether you contribute or not, the company will contribute 1% of your annual admissible compensation into your account. So please be sure to return the form!

In addition to the 1% basic contribution, for each dollar you contribute (up to 6%), the company contributes a matching contribution of at least 25%. In 1984 and 1985, the "matching" company contribution was 65¢. You can contribute from 1% to 10% of your admissible compensation (base salary) annually.

**DO YOU NEED SOME MONEY?  
CHECK WITH THE CREDIT UNION**

Are those charges you ran up for your holiday shopping giving you the post-holiday blues?

Talk to the Credit Union and see what can be worked out. The Credit Union has money to lend to eligible borrowers.

## **ANNIVERSARY GREETINGS**

### **EMPLOYEES OBSERVING MAJOR SERVICE ANNIVERSARIES**

Special congratulations to a number of long-time employees who are observing MAJOR service milestones during January:

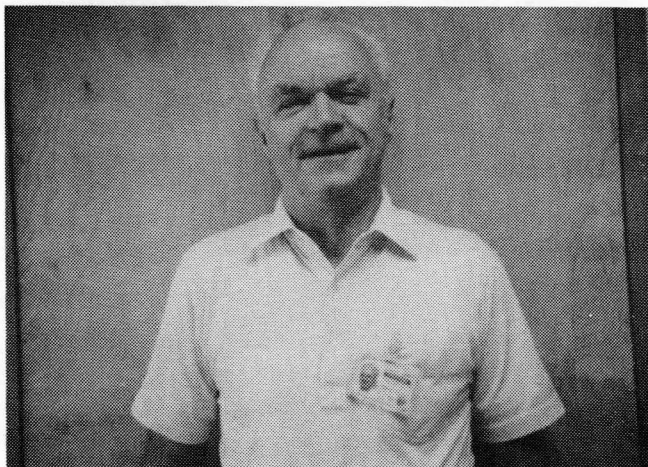
- Eldon Andrews reached the notable achievement of 35 years of service.
- Barry Hawkins, George Keegan, Dan Rendon and Frank Wakefield have each completed a quarter of a century of service.
- Hans Kaiser, Carl Palkovich, Richard Peck and Harry Yates have all rounded out 20 years of service with our company this month.



*Celebrating major service anniversaries are: (Back row) Eldon Andrews (35 years), Frank Wakefield (25 years), Hans Kaiser (20 years), Harry Yates (20 years). Front row, Carl Palkovich (20 years), Richard Peck (20 years) and Susan Taylor (5 years). Missing from this photo is Peggy Huestis, marking five years of service this month.*



*Dan Rendon (center) of Customer Support, Lancaster, Calif., received congratulations from Don Roberts (left) and Chet Reynolds (at right) on his 25th service anniversary earlier this month.*



*George Keegan (left) and Barry Hawkins (right) both observed a quarter of a century of service this month.*

**AN IMPORTANT EMPLOYEE BENEFIT**

**INSURANCE BENEFITS DATA -- FOR YOUR INCOME TAX**

Are you starting to collect data for income tax purposes? As a convenience to employees who are itemizing deductions, here are two charts. They summarize:

1. Medical Insurance premiums for your dependents' medical insurance coverage through our group insurance plan.
2. The premiums employees pay on our Dental Insurance benefit.

**1985 MEDICAL INSURANCE PREMIUMS FOR DEPENDENT COVERAGE  
Not Including Long Term Disability (LTD)**

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Spouse only	\$2.58/wk.	X	52 pay periods	=	\$134.16
Child(ren) only	\$1.56/wk.	X	52 pay periods	=	\$81.12
Spouse & Children	\$4.15/wk.	X	52 pay periods	=	\$215.80

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**1985 DENTAL INSURANCE BENEFIT PREMIUMS**

If you were in our Dental Plan for all of 1985, your contribution was:

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Individual Dental Coverage	\$.98/wk.	X	52 pay periods	=	\$50.96
Family Dental Coverage	\$2.82/wk.	X	52 pay periods	=	\$146.64

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**SOME POINTS TO REMEMBER:**

\* The Company pays 100% of the cost of the group medical insurance coverage on you the employee.

You pay only a **SMALL PART** of the cost of dependents' medical insurance coverage. Currently, the Company pays about **84%** of the total cost of group medical and dental insurance coverage. Employees pay about **16%** of the total cost of the medical and dental plans.

Over the years, our group medical insurance coverage has been improved many times, and the costs for medical services have risen sharply. However, the

**CONGRATULATIONS**

FUAD ALI (Telemetry Systems) and his wife Hana are the proud parents of a baby boy, Nasser, born on December 26, 1985. He weighed in at 7 lb.

FRED KRASE (Machine Shop) and his wife Anne welcomed their new baby girl on January 13. Little Rachel Marie weighed 7 lb. 7 oz. at birth.

**CREDIT UNION ANNUAL MEETING  
SCHEDULED FOR FEBRUARY 13**

The Fairchild Sarasota Credit Union's annual meeting is scheduled to take place on Thursday, February 13, in the Cafeteria at 4:30 p.m. There will be elections and reports on Credit Union activities, plus prizes and refreshments. Save that date!

amount you pay toward your dependents' medical insurance coverage has been the same **SINCE 1974**. Our Company has absorbed the increases.

\* Our Company paid over **\$1,497,000** for total group medical, dental, and LTD insurance coverage on employees (and dependents) in 1985.

**NOTE:** The figure of **\$1,497,000** includes Medical coverage (medical plan, regular life insurance, accidental death & dismemberment, and short-term disability), Dental coverage, and Long-Term Disability coverage.

**BASKETBALL SEASON UNDERWAY**

Fairchild Weston's Men's Fast Break Basketball games are scheduled for Wednesday and Sunday nights at the Arlington Park & Recreation Facility. The group is off to a good start.

Team members are: Robert Anderson, Herb Jones, Ken Knicely, Jerry Lavelle, Rick Mitchell, Rick Mowrey, Russ Phillips, Ralph Portuondo, Rob Ramey, Jim Robinson, Wayne Sarnie, Joel Stewart, and Scott Zeiner. Team Coach is Ralph Portuondo, assisted by Rick Mowrey.

Why not check the bulletin boards for the exact dates and times and come out to cheer our team to victory! The season continues through March.