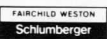




**FAIRCHILD WESTON
SYSTEMS INC.**



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



**30 YEARS OF PROGRESS
IN SARASOTA THIS YEAR**

VOL. IX, NO. 3

MARCH, 1987

HAPPY 30TH ANNIVERSARY, DATA SYSTEMS DIVISION!

As part of Data Systems Division's celebration of 30 years of progress in Sarasota, employees enjoyed a big anniversary cake in the Cafeteria on March 20. Taking part in the cake cutting ceremony were employees who are members of our 30 Years (and over) Club, including employees who are Sarasota Pioneers — employees who started with our company when we moved from Ridgefield, Conn., to Sarasota, Fla., in 1957.

Also in the group are employees who have been with our corporation for longer than 30 years, and who were transferred to Sarasota from other locations. These "over 30 years" employees have chalked up service records from 31 years to 40 years with our company.

FIRST PRODUCTION UNIT OF MODEL 20 IS SHIPPED

A new laboratory recorder — the Model 20 Lab Recorder/ Reproducer — has gone through the Engineering and Manufacturing cycle and the initial Production unit was shipped to Grumman Aerospace, Long Island, N.Y., during March.

In 1986, Grumman Aerospace awarded Data Systems Division a contract valued at over \$1.4 million for Instrumentation Recorders to be used on flight test programs for the Navy's F-14, A-6 and EA6-B aircraft. This order included a new laboratory recorder, the Model 20, Model 15 Portable Recorders, plus Airborne and Ground EPC (Error Prediction and Correction) equipments.

(Cont'd on Page 2)



MEMBERS OF OUR 30 YEARS (AND OVER) CLUB — posing with General Manager Carl Schleicher (center) and the anniversary cake shaped like our building. Eldon Andrews, Bill Gibson, Bob Heaton, Sr., Mauri Calvert, Don Parker, Joe Smith, Dan Toler, Tom Toler, Dorothy Bennett, Carl Schleicher, Bud Thurmond, Margaret Dill, George Zimmerman, Dorothy Richey, Chris Freeberg (in rear), Ron

Connolly (front), Jack Boehner (rear), Hester Spann, Florence Johnson (front), Opal Black, Betty Cobb, Bill Miller (foreground), Mable Altman, Nevel Christie (rear).

Missing from this photo are Tracey Hardy, Bill Kessler, Randy Mitchell, George Prozzo and Don Roberts, and Bob Sayre (Wheaton, Md.).

AN EQUAL OPPORTUNITY EMPLOYER M/F/H/V

FIRST PRODUCTION UNIT OF MODEL 20 IS SHIPPED

(Cont'd from Page 1)



WHATTA TEAM! -- Foreground, kneeling: Ellis Speicher, John Dezzi, Hank Zarnoski, Phil Stockton, Ray Hunter. Standing, at left of Model 20: Dave Hart, John Kerwin, Jim Azukas, Carol Waters, Keith Smith, Scotte Kavanaugh, Bob Moore, Billy Fincher, Pat Parrish. Standing at right of

Model 20: Judy Mewes, Greg Brooks, Ann Stinton, Cathy Wilson, Bob Wallace, Marci Mewes, Don Stover, Tom McCarthy. Sally Marlowe, Phil Ingram, Eldon Andrews, Gene Waldroop, George Phillips. These and many other employees contributed to the successful effort in producing the first Model 20 to be shipped out of Production.

The Model 20 is a co-planar version of our Model 9 Recorder and is a joint FWSI and Enertec research and engineering project. Both the Model 20 and Model 15 Recorders are equipped with double density heads that allow twice the recording time, and the EPC equipment allows for recording high-speed data in a parallel format. The Model 15 and EPC equipments are developments of Enertec, our sister company in France.

Additional orders have already been booked for 12 Model 20 systems. In addition to Grumman, other customers who have placed orders include the U.S. Navy at Patuxent River, and Sandia Laboratories, N.M. Some of the Model 20 systems are using the FWSI EDCS (Error Detection and Correction System) and others incorporate Enertec's EPC. The value of orders received to date is over \$2.5 million.

In order to meet the delivery dates required by Grumman, the Engineering and Pilot Manufacturing phase were run virtually concurrently. This aggressive plan succeeded, and the initial Production unit was shipped this month.

"Literally hundreds of employees were involved in the successful completion of this first unit, and I'd like to thank each one personally for their efforts," said John Kerwin, Program Manager.

"This is a fine example of a real team effort, all the way from the cooperative Research and Engineering project with Enertec in France, through the 'Americanization' of the product in Engineering, the very rapid transition into Production, and delivery to the customer," said General Manager Carl Schleicher.



Anne Stockton, Sharon Gooch (of Quality), Joanie Odzic and Darlene Klenke were part of the Model 20 Manufacturing team.

INITIAL POWER SUPPLIES SHIPPED TO ESD, SYOSSET

The first shipment of power supplies for U.S. Army communications jamming equipment was sent to Fairchild's Electronic Systems Division, Syosset, N.Y., during March.

These initial units are part of a large quantity of Receiver Power Supplies and Transmitter Power Supplies which are to be assembled and tested at Data Systems Division for the Syosset

group's prime contract with the U.S. Army for AN/TLQ-17A communications jamming equipment.

Program Manager Frank Bloechl and Project Engineer Art Acosta are part of the large team of employees working on this high reliability equipment. Some of the team members are pictured in the accompanying photo.



Members of our TLQ Team include Dick Dungan, Dot Berner, Mary Evans, Delta Wildermuth, Pat Bowers, Clara Vann, Josefina Nunez, Marie Valence, Bernie Cori, Doris Roberts, Shirley Smith, Mable Altman, Phil Luquette,

Sharon Krueger, Willine Lahman, Sherri Tipton, Nina Van Tassel, Ernestine Ray, Pat Wetjen, Candy Esber, Beth Elinski, Peggy Woodruff, Alice Wright, Art Acosta, Frank Bloechel, plus many others!

CREDIT UNION ANNOUNCES FIRST QUARTER DIVIDEND

A 6% (Annual Percentage Rate) dividend rate on Credit Union savings was declared for the first quarter of 1987 by the Board of Directors of the Fairchild Sarasota Credit Union this month. The first quarter dividend will be credited to members' accounts effective April 1, 1987.

New Data Systems Division employees are eligible to join the Credit Union after 90 days of employment with our company. Please call Lillian Conway, Ext. 5535, for details.

DEBBIE GRAHAM ADDRESSES STATE NURSES ASSOCIATION

Occupational Health Nurse Debbie Graham was a guest speaker at the Florida State Nurses Association District #20 seminar on February 28 in Sarasota. The seminar--on the scope, evaluation, and future of occupational health nursing--was approved for continuing educational credits and featured various specialists on nursing practice. About 65 nursing professionals attended.

SEND US YOUR GEAR, AND OLD PHOTOS, ETC.

Calling all pack rats! Does your wife complain you never throw anything away? Has your Supervisor made a few pointed remarks about your housekeeping? Now is the time for you to share your goodies with the 30 years in Sarasota Celebration Committee.

Old, historical equipments made by EMR/Data Systems Division over the years are needed for one of our displays -- to show the progress of our technology. Also, your old catalogs, photos, and similar remembrances of our years in Sarasota (or earlier) would be welcome additions to our historical pictures displays.

Please call Isabel Wetz, Ext. 5377, or Margaret Herbst, Ext. 5401, to contribute -- or lend -- your items.

**ENTER TRIVIA KORNER
YOU MAY BE A WINNER!**

MARCH SERVICE ANNIVERSARIES INCLUDE SARASOTA PIONEERS

Congratulations to a large group of Data Systems Division employees who are observing some major service milestones this month. Six of our colleagues are celebrating their 30th service anniversary during March — Mable Altman, Opal Black, Betty Cobb, Tracey Hardy, Don Roberts and Bud Thurmond. Another significant milestone was reached by Joanie Brothers who marked her 20th service anniversary on March 20.

To these, and our other March service honorees, many happy returns!



Celebrating major service milestones during March were Dexter Nash (5 years), George Emigh (10 years), Joan Brothers (20 years) and Carl Aquilino (10 years).



Bob Sayre, of our Wheaton, Md. Sales Office, received congratulations and his 30-year service pin and plaque recently from Jerry Aldrich, Director of Telemetry, and Bud Hinkel, National Sales Manager. Pictured here are Nancy Sayre (Bob's wife), Bob Sayre, and Jerry Aldrich. Our thanks to Bud Hinkel for this photo.



Opal Black, Mable Altman, Betty Cobb, and Bud Thurmond recall the good old days when they joined EMR in 1957 — a mere 30 years ago!

Missing from our service anniversaries picture this month is Tracey Hardy, who is now making a good recovery from heart surgery. Congratulations to Tracey and our other long-time employees on achieving 30 years of service with our company.



Don Roberts, of Customer Support, celebrated 30 years of service with our company during March.

FLIGHT RECORDERS ORDERED FOR THE NEW AIRBUS A320

Air Inter and Air France, two major French airlines, have placed orders for Fairchild Digital Flight Recorders and Cockpit Voice Recorders to be used on the new Airbus A320 aircraft. Orders for 18 sets of equipment have been received to date for this new generation Airbus aircraft.

Deliveries extend out some months into the future, based on when the new aircraft are delivered to the Airbus customers.

NEW WAVE SOLDER SYSTEM BRINGS IMPROVEMENTS

A new state-of-the-art wave solder system has been installed and brought on line early in March. The replacement equipment brings many improvements to the Printed Wiring Assembly wave soldering and cleaning process, and greatly enhances the work environment for employees in the area near the new installation.

Advantages of the new wave solder system include labor savings, higher quality products, and significant improvements in the area of environmental protection.

Some of the specific technical advantages incorporated into this equipment include a dual solder wave and debridging Hot Air Knife which will enhance our capability of wave soldering high density Printed Wiring Assemblies. This system also has the capability of soldering surface mount devices (SMD) in-line.

"We expect fewer solder defects and less rework, and employees in the adjacent areas will notice a marked improvement over the older equipment which produced some objectionable fumes," said Tony Reali, of Manufacturing Engineering.

"We especially want to thank all the employees who patiently endured the inconveniences of the construction work and the old system in its temporary location for all these weeks," Tony said. "The Wave Solder Operators deserve special credit for their efforts in struggling along with the temporary set-up while keeping the work flow going."

The major construction and installation effort involved the cooperation of many employees in Manufacturing Engineering, Facilities Engineering and Maintenance, Machine Maintenance, and Manufacturing, Tony Reali said.

The older wave solder system has been sold and is being removed from our facility this month. Additional improvements in the new Wave Solder room remain to be completed, but after some finishing touches, this facility will be a showplace for our plant.



Cheryl Mnick is at the aqueous in-line cleaner portion of the new Wave Solder System. In the background is the conveyor system which returns the Printed Wiring Assemblies to the Wave Solder System's starting point.



Jean Wilson holds a Printed Wiring Assembly wave solder fixture, preparing to start the Wave Solder System process at the flux unit. In the background, Ronnie Sumner is at the pre-trimmer station as Printed Wiring Assemblies are processed through the new Wave Solder System.

REMEMBER WHEN ...

Celebrating 30 Years of Progress in Sarasota

MARCH EVENTS OF THE PAST

1967 *EMR Sarasota Employees Credit Union membership has grown to 309, with assets exceeding \$19,000.*

ED. NOTE: February, 1987 -- 20th Annual Meeting reported 698 Credit Union members and assets of \$882,000.

1968 *Leo Chappell heads Telemetry Division.*

1968 *Planning the decor for the Social Club's "Shamrock Shuffle" on March 16 are Dance Chairman Diane Fisher and Decorations Chairman Dan Toler.*

1968 *The first all-EMR telemetry/computer system passed Lockheed's rigid test requirements and was fully accepted. (The EMR automated data reduction station was used for flight testing of Lockheed's giant C-5A military jet transport. The system combined an EMR 6040 computer with eight racks of PCM and FM equipments, plus a van-mounted telemetry system and some airborne units.)*

1975 *EMR's third Employee Art Show being planned by Carolyn Cox (Smith) of Materials.*

(Items gleaned from past issues of PULSE by your 30 Years in Sarasota Committee)

AFTER 43 YEARS OF SERVICE

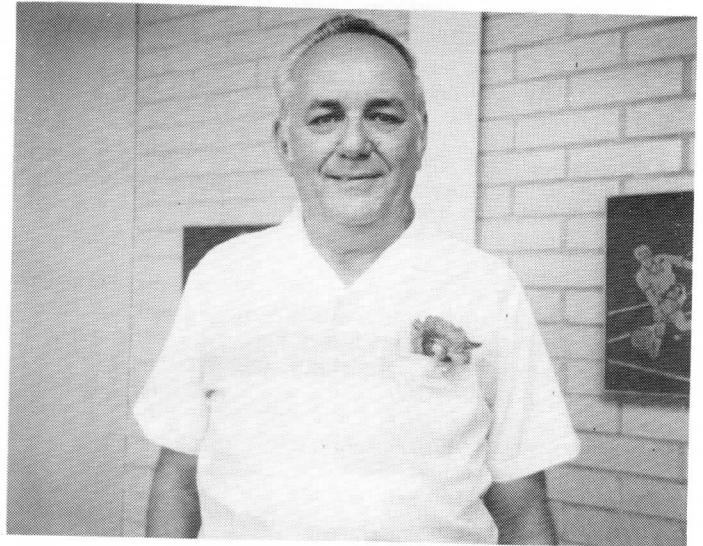
A YOUTHFUL BOB JOHNSON ELECTS EARLY RETIREMENT

When you begin your working career at a very young age, as Bob Johnson did, 43 years of service can zip by. The youthful Supervisor of Printed Wiring Board Assembly elected early retirement on March 13, and was royally feted by his friends and colleagues.

Bob joined Sangamo Electric in Springfield, Illinois, on August 13, 1943. His decades of service in Illinois and in Florida took him from his initial job as a teen-age Material Handler to building electric meters, to wiring chassis for Recorders, to Production Supervisor in Data Recorders Assembly. In 1978, when the Sangamo Recorders group moved to EMR in Sarasota, Bob and his wife Florence gulped and took the big step — away from three daughters and their grandchildren in Illinois — to the new adventure of life in Florida.

"It was a big adjustment for all of us, but we survived, and met a lot of nice people through the years," Bob said.

Bob and Florence Johnson went to high school together, and were married in 1946, after Bob returned from his two-year stint in the Navy. Florence has seen over 30 years of service with our company in Springfield and in Sarasota. She will continue working in Customer Support, while Bob adjusts to his new lifestyle.



BOB JOHNSON, A NEW RETIREE

For Bob there'll be fishing, of course, and chores, but also some volunteer work, and friendly visits with old friends and fellow Retirees such as Hank Franz, who is another long-time Sangamo/FWSI veteran in Sarasota. And now, when the kids come to visit, Bob can really relax and enjoy them.

Best wishes for happy days ahead, Bob!



A SILENT KILLER?

ELECTROSTATIC DISCHARGE STUDY INVOLVES MANY EMPLOYEES

The LEVEL TWO CREW, made up of Group Leaders and representatives of most of our Operations areas, is conducting an ongoing study and educational effort about Anti-Static Protection and the problems associated with Electrostatic Discharge (ESD). Surveys were returned by 250 employees. Survey results showed that many employees are knowledgeable about ESD, while others need additional information.

BY SCOTTE LEE KAVANAUGH

ESD can be a silent killer of electronic equipment. Static electricity is a problem common to all phases of the production and operation of electronic equipment. From the time a component begins its existence in a production facility until the system in which it is installed is rendered obsolete, it may be subjected to electrostatic discharge (ESD) which results in partial or total failure of the component or system.

Electrostatic damage control is, in essence, SPARK PREVENTION. The name of the game in ESD control is "Let there be no spark."

When a static discharge takes place, as it does from one conductor to another by jumping through insulating material or air space, the snapping "miniature lightning bolt" of the virtually instantaneous spark is usually unseen, unfelt, and unheard. When such discharges are approximately 3500 volts, they can be felt — as

when a finger reaches for a metal doorknob when a person has crossed a carpet, usually under low humidity conditions.

These extremely rapid discharges, however, take place every time one shakes hands, touches a spoon, or reaches for the solder point of a Printed Circuit Board, or the lead of a component. The results can be disastrous.

Static electricity is constantly generated while the human body is in motion. Walking, leg movement, or normal arm and body movements all generate static electricity which can be stored in the human body. Each movement may generate only a few hundred volts of static, but static voltages are cumulative. Therefore, an ungrounded individual soon may be carrying around several thousand volts of static electricity just waiting to be discharged.

At this point, contact with any static sensitive component will surely result in DEGRADATION OR DESTRUCTION of that component unless precautionary measures are employed.

ESD control measures — such as the wrist straps attached to static control table mats which are grounded to drain off electrostatic discharge — are vital in the fight against this silent killer, Electrostatic Discharge.

Do you have questions or suggestions? Please send them to the Level Two Crew, in care of Phil Luquette, Mail Stop 6.

IT'S GRADUATION TIME FOR THESE SCHOLARS

Members of the New Image Quality Circle and other members of the clerical support staff at Data Systems Division devoted six weeks of class work to improving their writing skills recently. Dale Munson, Senior Training Instructor, Signal Processing, taught the class called "Put It In Writing."

Clarity in writing was emphasized, and the students learned that long words and longer sentences are not necessarily the best form for writing understandable letters.

"Letters are meant to communicate — not confuse," the new graduates explained.

Carl Aquilino, Director of Recorders, and a member of the Advisory Committee for our Employee Involvement program, presented the graduates with their certificates of successful completion of the business writing class. He commended the employees for their dedication to improving themselves and the quality of their work. He also cited professional and personal growth as one of the benefits of our Employee Involvement program.



Graduates of the "Put it in Writing" course are: Elaine Ellis, Julie Soderquist, Baba Marrero, Debra Stilley, Susan Taylor, Cindy Cole, Instructor Dale Munson, Pat Zieschang, Chris

Lawson, Karen Peterson, Carolyn Kleist, Berenice Henderson and Cindy Mathews. Missing from photo is Terry Cori.

VOLUNTEERS WORKING HARD TO BUILD A PARADE FLOAT

Hard working volunteers have transformed an old derelict second-hand parade float into a solid base for a brand new spectacular float to represent Data Systems Division in area festivals and parades as part of our 30 Years in Sarasota celebration.

Initial volunteers — John Elliott, Bill England, Larry Stewart, Rita and Don McCrea, Darrell Powell, John Burr, Linda Lotz, Cora DiVirgilio, Debbie Woolard, Phil Ingram, Bob Wallace and

others — have been joined by many other employees who are also contributing to this big volunteer effort.

The first public appearance for the float is scheduled for the DeSoto Celebration parade in Bradenton on April 11. Meantime the volunteer effort is going full tilt, and there are still tasks that can be shared with other volunteers. Please call John Elliott, Ext. 5136, for more information.



First, Bill England, Larry Stewart and John Elliott started tearing down the old float so that it could be rebuilt.

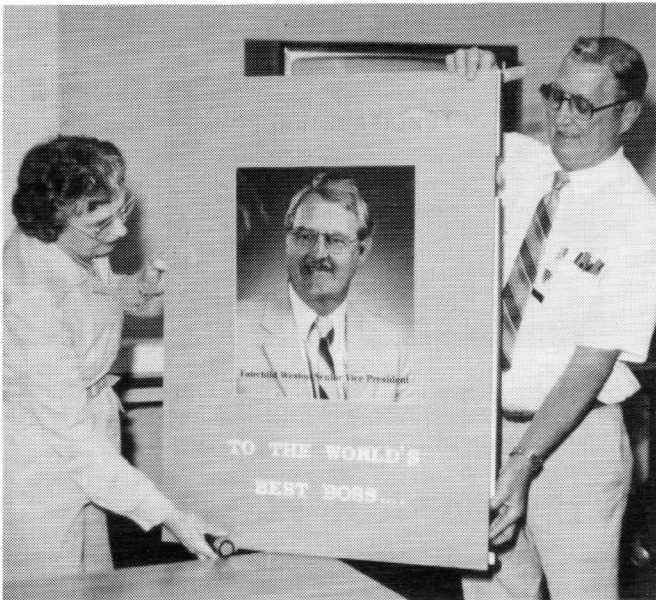


Darrell Powell, John Burr, John Elliott and Larry Stewart with parade float as it nears the decorating phase.

EMPLOYEES SURPRISE JOE KELLER WITH BIG CARD & SIGNED SCROLL

Data Systems Division employees took a few minutes during the recent Business Review communications meetings to say "Congratulations" to Senior Vice President Joe Keller, and to celebrate his fifth anniversary in Sarasota. The giant card, designed by our Graphic Arts Department, was signed by hundreds of Sarasota employees, and bore the inscription: "TO THE BEST BOSS IN THE WORLD ... FROM THE WORLD'S GREATEST WORKFORCE."

Two long-time employees made the presentation on behalf of all employees. Dorothy Bennett (a 30-year employee) and Eldon Andrews (36 years of service) caught Joe Keller by surprise as he and General Manager Carl Schleicher completed one of the Business Review sessions on March 11.



Dorothy Bennett and Eldon Andrews display Joe Keller's giant greeting card.

CONGRATULATIONS !

MARK FOGELSON (Telemetry Product Development) and his wife Penny announce the arrival of their son Seth Wayne on March 5. Seth weighed in at 8 lb. 15 oz.

PAT PARRISH (Recorders Precision Assembly) and his wife Charlene welcomed their new son Brian Patrick on March 20. He weighed in at 8 lb. 11 oz.

KARL HAHN (Systems Software) and his wife Cristina are pleased to report Cristina was sworn in as a U.S. citizen in Tampa on February 26.

SOFT DRINKS IN CANS, CUPS -- THE CHOICE IS YOURS NOW

In response to requests from employees, a soft drink vending machine featuring the beverages in CANS is now available in the Breakaway snack area. You now have the choice of having your soft drinks in cans or cups, at two different prices. Enjoy!



Eldon Andrews (obscured by the card) and Dorothy Bennett gave Joe Keller a few words of wisdom along with the card and scroll bearing the signature of hundreds of Data Systems Division employees.

LILLIAN EGER IS WINNER OF FEBRUARY TRIVIA GAME

Lillian Eger, of our Encapsulation Lab, won our February Trivia contest and captured a \$50 U.S. Savings Bond for the correct answers to our Trivia Korner quiz. The monthly Trivia contest is a part of Data Systems Division's celebration of 30 years of progress in Sarasota.

Check the March Trivia Korner in this month's PULSE. You may be the next winner!



Lillian Eger was congratulated by Rick Greenawalt, Personnel Director, on winning our first Trivia Contest. Her prize is a \$50 U.S. Savings Bond.



30th Anniversary

CONGRATULATIONS!!!

Lilian Eger is the winner of a \$50.00 US Savings Bond. Lilian's name was drawn from those entries with the most correct answers to last month's Trivia Korner questions.

The correct answers are:

1. Myakka
2. Horse & Chaise
3. J.C. Legrand
4. Four (4) locations, Current location, Breakaway, Alcove near Credit Union, and across from Instrumentation Recorder Assembly.
5. Richard M. Nixon

? ? ? MARCH ? ? ?

1. Which astronaut toured EMR in January 1964?
2. What year did Sangomo recorders move to Sarasota from Springfield, Ill?
3. Why is Hillview Street so wide?
4. "Woopy Point" of the 1950s is now called what?
5. What year was the WHANS FRISBEE first produced?

* * *

Remember - You can't win if you don't enter! Answer as many questions as you can & drop your entries into the box in the cafeteria!

cut here

ANSWERS

1. _____
2. _____
3. _____
4. _____
5. _____

Name: _____ CC _____ Ext. _____