



**FAIRCHILD WESTON
SYSTEMS INC.**



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



VOL. VIII, NO. 7

JULY 1986

MAJOR NEW ORDER BOOKED FOR MODEL 15 RECORDERS

A major order has been received from Naval Air Systems Command, Washington, D.C., for a quantity of 36 Model 15 Instrumentation Data Recorders for use as part of an electronics package in the U.S. Navy's Type EP3 aircraft. The contract is valued at over \$3.8 million.

This contract is the first fully "Mil Spec" program that Data Systems Division has won in the tape recorder area. In addition to the 36 Recorders, the contract calls for a Mil Spec drawings package, operational and maintenance training, and an Intermediate Level maintenance manual written to military specification standards.

"The contract holds exceptional importance for Data Systems Division business as it represents entry into a whole new marketplace in large Programs," said Carl Aquilino, Director of Data Storage. An indication of the complexity of the the contract is that the text contains 20 Contractor Data Requirements.

"As with all major contracts, it is impossible to list all of the individual contributors to this successful effort," Carl Aquilino said, "but we want to thank all employees who participated." Departments involved included Marketing, Sales, Market Support, Applications, Training, Technical Publications, Quality Assurance, Contracts, Accounting, Manufacturing, Engineering and Drafting.

"We are hoping to capture a considerable amount of follow-on business from this customer," said Bill Vernooy, of Recorders Program Sales.

Delivery on this contract is scheduled over the next 14 months, with initial hardware deliveries beginning in the fourth quarter of 1986 and extending into 1987. Equipments will be delivered to Lockheed Services Company in North Carolina, the contractor performing the system integration for NAVAIR.

The Model 15 Recorder, designed by our sister company, Enertec, is a high performance tape recorder, typically used in airborne applications. The Model 15 is winning much customer attention for its technical excellence and suitability for use in harsh environments.

Although the initial supplies of the Model 15 for the contract will be imported from Enertec, it is planned that manufacture be established in Sarasota for future requirements.

FIRST MODEL 1786 SYSTEM IS ON ITS WAY TO TAIWAN

A brand new system -- the first Model 1786 Universal Telemetry Reduction System -- was shipped recently to a customer in Taiwan. This initial system consists of a telemetry front end (featuring our popular 1700-series EXPRT equipment) and the new, powerful DEC Micro-VAX II computer, plus our Model 720 Bit Sync.

Please turn to page 2.



Standing, Don Worthington, Art Hallett, Bharat Parkhani, and Rhonda Payton (seated) were members of the Systems team on this first Model 1786 Universal Telemetry Reduction System which was shipped recently.

CREDIT UNION SAVERS GET \$8,500 DIVIDEND

Credit Union savers benefited from \$8,500 in dividends credited to members' accounts for the second quarter of 1986. The Fairchild Sarasota Credit Union Board of Directors voted a 6% (Annual Percentage Rate) dividend, payable June 30, 1986, on members' shares.

The Credit Union has money to lend for auto loans. If you are in the market for a new or used car, stop by and check the low rates and easy monthly payments.

Going on vacation? Another Credit Union service is free travelers checks for members. Call Ext. 5535 for details.

AN EQUAL OPPORTUNITY EMPLOYER M/F/H/V

FIRST MODEL 1786 SYSTEM IS ON ITS WAY TO TAIWAN

(Cont'd from Page 1)

Customer response to the Model 1786 has been extremely encouraging. This self-contained telemetry/computer system, complete with a selection of operating software and using a color-graphic display terminal, meets the needs of many telemetry users at a very attractive price.

Aero Industrial Development Center (AIDC), a government agency of the Republic of China in Taiwan, is the customer who will utilize this first Model 1786 system in its aircraft development programs. Another 1786 system has been ordered by CSIST (Chung Shan Institute of Science & Technology), Taiwan, an arm of AIDC, for other Taiwanese defense activities. Several representatives from these Taiwan agencies visited Data Systems Division recently for technical training on the systems.

Members of the Systems team which worked on this initial shipment to Taiwan included Systems Engineer Bharat Parkhani, Technician Don Worthington, and Software Engineer Art Hallett, along with Rhonda Payton and Paul Weller.

Play It Safe. . .
Fasten Your Seatbelt
Before You Drive



**ACCIDENTS HURT...
SAFETY FEELS GOOD !**



Play It Safe. . .
Look Before
You Step

HAPPY ANNIVERSARY TO YOU

Special anniversary greetings to Ed Caron, of Printed Circuit Plating, who completed 25 years of service on July 17. Members of the Printed Circuit Fabrication group got together earlier this month to say "Congratulations" to Eddie on a quarter of a century of service.

Other major service anniversaries in July were observed by Thelma Willetts, Vi Blair and Dean Becker, pictured here.



Marking major service anniversaries in July were: Dean Becker (5 years), and Vi Blair and Thelma Willetts, both observing 15 years of service.

THREE EMPLOYEES PASS STATE EIT EXAMINATION

Three Data Systems Division engineering employees have been notified they have successfully passed the eight-hour Engineer In Training exam they took in April in Orlando. This intensive exam is one step in the process leading to Licensed Professional Engineer status.

The employees who succeeded in passing the exam are:

Cheryl Bennett (SPS), Dan Cunningham and Shoba Shetty (both of Telemetry Product Development). Bill Waggener, Jr., (Telemetry Product Development) also passed the Engineer In Training exam in 1985.

In order to attain the status of Licensed Professional Engineer, candidates must first pass the Engineer In Training examination, then must complete a specified number of years of practical experience in the Engineering field, and then must pass another eight-hour exam.

Licensed Professional Engineers at Data Systems Division include: Mike Eisenbise, Bill Hardman, Graham Hildebrand, Joe Lehmann, Richard Painter, Hal Roberts and Bill Waggener, Sr.

JUDY STOLZ ELECTS EARLY RETIREMENT

Judy Stolz is a fun-loving energetic lady who believes in enjoying every day to the fullest. She is electing early retirement effective August 8 thanks to our "Rule of 85" pension benefit and plans to make the most of it!



JUDY STOLZ

She leaves the Printed Circuit Fabrication Department after many years with our company. Judy joined us in 1962, and worked in Assembly, on the Gemini spaceborne units, in the Clean Room, and in Printed Circuit Fab.

Judy's plans include fishing, tending her flowers, enjoying Bingo and a scheduled trip to Las Vegas in January, plus travel to visit her daughter in Jacksonville and son in Alabama.

"I've enjoyed working in this company. These people have been my family," Judy said with feeling.

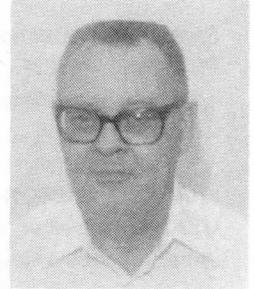
Judy's proper name is "Eura Love" and her many friends who will miss her agree that her name describes her very well.



Play It Safe...
Lift Heavy Objects
the Correct Way

DONALD P. SITTLER

Components Engineer Donald P. Sittler died suddenly on July 12. Don joined our company in 1962, coming to Sarasota from GE, Utica, N.Y. He was born in Allentown, Pa., and was an Air Force veteran. He received his Associate's degree from Central Technical Institute, Kansas City, Missouri, in 1957. Don's entire career at Data Systems Division was devoted to various areas of Quality Assurance.



Don's survivors include his wife, Phyllis; his daughter, Linda Sittler of our Systems Assembly area; two sons, James and David, and three grandchildren.

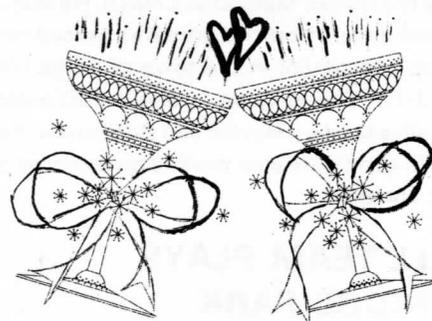
Don will be greatly missed by his many friends and associates at Data Systems Division.

CONGRATULATIONS !

GAIL SALTER (Systems Assembly) and her husband Glenn welcomed their new son, Paul Richard, on June 21. He weighed in at 7 lb. 5 oz.

ART ACOSTA (Industrial Engineering) and his wife Renee are the proud parents of a son, Jonathan Nicholas, born June 30. He weighed 6 lb. 13 oz. at birth.

TOM ANDERSON (SPS) and his wife Donnie are the proud parents of a son, Corey Wayne, born on July 14. Corey weighed 9 lb. 3 oz. at birth.



YVONNE VANCE (SPS) became Mrs. Donald Gurzell on July 4 in a Bradenton home wedding.

DAVID OWENS (General Accounting) and DAVID PAYNE (Telemetry Product Development) made social news as two bridegrooms who married sisters in a big double wedding on July 12. David Owens married Susan Boothby, and David Payne married Gigi Boothby in a double wedding at St. Michael's Church on Siesta Key. Mr. & Mrs. Owens headed for Cape Breton Island, Nova Scotia, and Mr. & Mrs. Payne went to Jamaica on their wedding trip.

VACATION NEWS -- WHERE DID YOU GO?

Share your vacation fun with your fellow employees. Please call PULSE (Ext. 5401), or send a note, and let us know about the travels and adventures you enjoyed on your vacation.

FRANCES WILSON (Fab/PWB Inspection) traveled the USA via Amtrak on a three-week "super saver" train trip in June. Frances enjoyed the scenic wonders of the Rockies and the Columbia, Snake, Mississippi and Missouri rivers as she journeyed from Tampa to Chicago and west to Washington State, visited the Fair at Vancouver, then east to upstate New York and home to Florida. Her trip included family visits in East Olympia, Wash., and Utica, N.Y.

FRANK BLOECHL (Contract Manufacturing) drove 1500 miles around England for three weeks of enjoyable sightseeing, plus some great theater. He saw "Cats" in London, and a Shakespeare play at Stratford-on-Avon.

KATHY LING (Machine Shop) and 22 members of her family had a really big family reunion at Disney World recently. Family members journeyed from Colorado, Virginia, N.C., and Florida for the happy reunion.

BUD STEINHOFF (Fab Engineering) accompanied his two sons on the National BMX (Bicycle Moto-Cross) tour. Robert, 7, and Billy, 14, spent Dad's vacation participating in bicycle competition in Vicksburg, Miss., Burlington, N.C., and Peachtree, Ga., during June and July. In the Florida State finals in Cape Coral, Robert placed 2nd in the State, and Billy took a 3rd place in State competition.

PAUL SHETLER (Machine Shop) spent a busy 10-day "vacation" in Belize, Central America on a missions project sponsored by the United Methodist Church. He was one of a team of 18 volunteers from this area who helped renovate a small church and school in the town of Punta Gorda in Belize, July 3-12. The location is about 180 miles from Belize City. Belize borders Mexico and Guatemala. Paul and his 16-year-old son Wade also worked on a similar project in Belize last summer.

SOFTBALL TEAM PLAYS AT BEE RIDGE PARK

Fairchild Weston's Softball Team is enjoying lots of good exercise at their Bee Ridge Park games on Tuesday and Thursday evenings.

Employees who are participating include: John Dolan, Rick Greenawalt, Tom Greinke, Maurice Gritzman (Manager), Herb Jones, Ken Knicely, Chris Lester, Mike Matthews, Rob McLendon, Rob Ramey, Robin Speidel and Joe Yeager. Nonemployees who play are: Bill Bagley, Bruce Biggs, Grady Hough, Jim Matthews, and Joel Severine.

DIGITAL SIGNAL PROCESSING COURSE WILL BE GIVEN HERE

A special graduate-level course on Digital Signal Processing will be offered at Data Systems Division beginning with the Fall, 1986, semester, through the University of South Florida's Engineering curriculum.

"This is the first course in a three-part series on Digital Signal Processing, which is pertinent to current state-of-the-art developments at our Division," said Joe Lehmann, Senior Staff Engineer.

The graduate-level videotape course is part of the Electrical Engineering curriculum at USF, and Joe Lehmann will serve as Proctor for the course.

"Employees should also know that there is a Special Student category which can permit individuals to take the course without actually being enrolled as a Graduate Student at USF," Joe Lehmann explained.

Details about the course will be announced in mid-August, via bulletin boards, and Joe Lehmann (Ext. 5420) will be happy to answer your questions.

Employees taking this and other courses are eligible for tuition reimbursement via the Data Systems Division Educational Assistance program. Please remember that tuition reimbursement forms should be completed and approved PRIOR to taking the courses. Forms are available in Personnel.

FWSI QUALITY MEETING HELD IN PENNSYLVANIA

Members of our Quality Assurance managerial team met with other Fairchild Weston Systems Quality personnel in Archbald, Pa., June 18-19, for an annual exchange of information on companywide Quality Assurance advances and problems.

Maurice Gritzman, Burt Boss and Chuck Warren represented Sarasota at the sessions and presented technical papers relating to Quality activities at our Division. Other Quality Assurance Managers who attended the FWSI meeting represented sister divisions in Syosset and Archbald.

SAFETY TIPS ★★★★★★★★★★

**NOTHING -- BUT NOTHING
PROTECTS YOU BETTER THAN
CONSTANT SAFETY AWARENESS**

★★★★★★★★★★★★★★★★★★★★

INTRODUCING THE MEMBERS OF OUR CIRCLE GROUPS

S.P.C.A. TEAM

Representing the Telemetry Test Department are the members of the Circle known as SPCA -- Standard Products Circle in Action.



SPCA CIRCLE MEMBERS -- Seated, Bill England, Greg Sutton and Dean Norfleet; standing, Phil Luquette, John Burr, Doyle Jones and Jack Newcomb. Missing from this photo is Richard Healy. SPCA stands for Standard Products Circle in Action.

JOHN BURR has been with Fairchild Weston for eight years. He enjoys bike riding, reading, the beach, yard work and relaxing with his family.

BILL ENGLAND is the SPCA Circle Leader. He joined our company over 17 years ago and has been Telemetry Test Supervisor for seven years. His hobbies include growing plants and trees, landscaping, and repair and maintenance of small engines. He enjoys working around his five-acre mini ranch. Bill is married and has two children at home.

RICHARD HEALY has been with Fairchild Weston since 1973. He enjoys ballroom dancing. Richard was recently struck by a car and is recovering from a fractured leg.

DOYLE JONES is married and has two children. He has been with Fairchild Weston for eight years. His interests include his family, working with his computer, building things, and fishing. "I've enjoyed working in different departments and learning different types of equipment," Doyle said.

PHIL LUQUETTE has been with our company for 12 years. He is a Master Sergeant in the Air Force Reserves and attends drill one weekend each month in Charleston, S.C. His regular two weeks of summer Reserve duty have taken him to Germany, Spain, Georgia, South Carolina and Delaware. Phil's interests include archery and trying to complete his "Honey Do" list.

JACK NEWCOMB started working here in January, 1984. He enjoys boating, fishing and just being in Florida. Jack is married and has two children.

DEAN NORFLEET joined us in 1984. His wife Hillary is in our PWB Assembly Department. Dean is working toward

his engineering degree at USF. He enjoys playing guitar and cycling, and is a heavy metal enthusiast.

GREG SUTTON has been in our Test Department since 1977. He is married and has three-year-old twins. Greg is enrolled in the Nova University program, working toward a bachelor's degree in professional management. He is involved in forming a Commodore Users Group here at Data Systems Division, and is trying to finish the landscaping around his house. In his free time he enjoys playing with his family.

FINE LINERS CIRCLE

The Fine Liners Circle represents the Drafting Department. Circle leadership rotates among the Circle members.



FINE LINERS CIRCLE MEMBERS -- Carol Scheele, Paul Waldmann, Della Dunlap, and Ray Wilson. Missing from this photo is Ron Basham.

RON BASHAM has recently been named Supervisor of Drafting. He has been with Fairchild Weston in Sarasota for nearly 24 years, most of it in Drafting. Ron's wife Sandy works in Word Processing, and they have two children. Ron enjoys bowling and working on their mountain get-away home in Kentucky.

DELLA DUNLAP joined the Drafting Department in January, 1985, and is currently in SPS Drafting. She enjoys cooking, dancing, sailing, volleyball and modeling. Della is an Assistant Coach in the Sarasota-Bradenton Soccer Club. In the future she would like to be a part of the Big Sister program.

CAROL SCHEELE joined Fairchild Weston's Drafting Department in 1984. Her hobbies include dancing, swimming, aerobics, and drawing.

PAUL WALDMANN joined us five years ago. His interests include coaching youth soccer and serving as a Board member of Booker Middle P.T.O. Paul and his wife and son enjoy downtown Sarasota and the beaches on weekends.

RAY WILSON has been with Fairchild Weston since 1981, and a Circle member for over three years. His hobbies include photography, Chinese cooking and restoring his 1969 Porsche.

PAT'S SUGGESTION REDUCES COSTS, IMPROVES QUALITY

Pat Lahmers, of our Reprographics Photo Lab, suggested an improved way to make the film images for Printed Circuit Board art work recently, and her suggestion gives every indication of improved quality and cost savings for the future.

The improvement has to do with the way "step and repeat" art work is produced for manufacturing printed wiring boards, and particularly for multilayer boards. Multilayer boards have several layers of circuitry and their production calls for great accuracy in the art work, drilling, and all other phases of Printed Circuit Board fabrication.

"Step and repeat" involves making several images of each layer on one piece of art work, so several individual boards can be fabricated simultaneously on one large "panel."

A problem with making step and repeat images of a multilayer board was that all the images have to line up accurately after each layer was stepped and repeated. Any slight error in the machine or setup is compounded by the number of layers.

"The solution seems like a simple idea -- just make all of the images on the same side of the film for all layers," Pat said. "Then we can reverse the film when it's time to make the NuArc film copy, so that the emulsion is on the correct side of the film when the art work goes to the Printed Circuit Fab Department to be manufactured."

This makes the positioning or alignment of the images much more accurate, which is especially important when we do more than one image on one piece of film, Pat explains.

Supervisor Jim Horvath points out the potential for significant cost savings in doing the P.C. art work. "If the Photo Lab does only one circuit board image at a time on a piece of film, the cost is about \$100. If we do multiple images (step and repeat process) -- with the required accuracy -- on one piece of film, the cost can be as low as \$6.25 per board, assuming 16 boards on one sheet of film. Of course, costs depend on volume -- 16 images per film, or eight boards per sheet of film, or four images per film," Jim said.

Mike Moninger, of Fab Engineering, explains that in fabricating the panels, it is very desirable to be able to run multiple images on a panel. The process times are largely dependent on panels, so if a board can be run four or six or more on a panel, the cost is effectively divided by a proportionate amount. This is especially important on multilayer boards, which have many more process steps, Mike said.

"Very critical, of course, is the quality and improved accuracy which Pat's suggestion offers for the Printed Circuit fabrication process," Jim Horvath noted.



Pat Lahmers' suggestion is improving the quality and accuracy of the "step and repeat" art work for Printed Circuit Boards.

How is the new idea working?

"We are pleased with the quality and alignment we are getting so far, as a result of Pat Lahmer's suggestion," said Gene Flagg, Supervisor of the Printed Circuit Fabrication area.

Way to go, Pat !!

INSURANCE TIPS FOR YOU

Want to get the best benefits from your group medical insurance coverage?

- Remember to follow the Preadmission Certification procedure whenever you or your covered dependents expect to be admitted to the hospital for an overnight stay or longer.
- Certain surgical procedures require a second opinion.
- If you have questions, please check with Benefits Coordinator Alma Sanger, Ext. 5526.