



FAIRCHILD WESTON

Schlumberger

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

NEWS ABOUT DATA SYSTEMS DIVISION

VOL. V, NO. 5

MAY, 1983

EMPLOYEES WIN SAFETY AWARD

A Safety Award in recognition of the achievement of 1,200,000 hours without a lost-time accident was presented to the employees and management of Data Systems Division this month.

The plaque reads:

"Certificate of Merit for Safety -- Presented to the Management and Employees of Fairchild Weston Systems, Inc., Data Systems Division, Sarasota, Florida, for outstanding achievement in accident prevention without a disabling injury, May 21, 1982 to April 15, 1983 - 1,200,000 work hours. Signed by the President of Aetna Technical Services, Inc., Hartford, Conn."

The plaque was originally presented at a Safety Seminar at Sangamo Weston, Atlanta, by Dave Bass, Risk Control Manager, earlier this month. Safety Committee Chairman Bill Shaw and Occupational Health Nurse Debbie Graham accepted the award on behalf of all employees of Data Systems Division.

"The achievement of over 1,200,000 hours without a lost-time accident is a notable accomplishment. It testifies to excellent safety awareness on the part of all employees," said General Manager Joe Keller. "Congratulations to all, and keep up the good work."

The term "no lost-time injuries" means that no employee has lost a full day's work because of an accident or injury on the job. For example, during April there were three painful injuries that required a physician's attention, and 11 less serious injuries that our Nurse took care of. However, it was fortunate that the employees were not so seriously injured that the injuries had to be classified as "lost-time" accidents. With increased safety awareness we can avoid painful accidents.

GENERAL DYNAMICS ORDERS SIX 8000-SERIES SYSTEMS

An order for six 8000-series PCM telemetry systems has been received from General Dynamics, San Diego. The systems are to be used on the Centaur Program. This order is valued at over \$500,000 and marks the first sizeable order for our new 8000-series equipment.



Accepting our latest Safety Award on behalf of all employees are: Nurse Debbie Graham, Safety Committee Chairman Bill Shaw, Operations Director Malcolm Unsworth, and General Manager Joe Keller.

★ LATE BULLETIN ★

SCHOLARSHIPS AWARDED

Word has been received that four Conrad & Marcel Schlumberger Scholarships have been awarded to the children of Data Systems Division employees. These are the first Schlumberger Scholarship winners in our Division.

They are:

Claudia Napfel, daughter of Hans Napfel, of Aviation Recorder Engineering

Douglas Bechtold, son of Royal Bechtold, of Contracts

Richard Weller, son of Paul Weller, of Field Service Technical Support

April Moninger, daughter of Mike Moninger, of Manufacturing Engineering

Congratulations to the Scholarship winners. Details about the students and their awards will be published in the June issue of PULSE.

An Equal Opportunity Employer M/F/H/V

DATA RECORDER AWARDS GIVEN AT SALES MEETING

Our 1983 Data Recorders International Sales Meeting was held May 9-11, at Lake Buena Vista, Florida. The 45 attendees included international and domestic Sales Representatives, and our direct Sales personnel, plus Data Systems Division personnel from Sales, and Marketing.

Special awards were presented in recognition of outstanding sales efforts. Awards were:

Salesman of the Year - Keith Arrowsmith
Domestic Representative of the Year - Sel-Tronics, Inc.
Export Representative of the Year - Ando Electric, Japan
Quota Buster - Steve Hoff
Domestic Representative with the most orders - John Flora Co.
Export Representative with the most orders - Enertec, France

Highlights of the meetings included introduction of our Error Detection Correction System (EDCS) as well as the Model 9, Model 80-T and Model 15 Magnetic Tape Recorder/Reproducers. Spin Physics presented a slide presentation on magnetic head technology, and Ampex provided a slide show on the manufacture of magnetic tape.

Direct Sales personnel who participated in the Data Recorders meetings were: Dick DeLong and Keith Arrowsmith, of the Western Region; Steve Hoff from the Midwest Region, and Ed Remorenko, of the Eastern Region.

Export Representatives included G. Recalde, of Coasin, Argentina; A. Kolah, of J. N. Marshall, Inc., India; R. Weller, of Allan Crawford Assoc., Canada; J. Sulzer of Enertec, France, and S. Kitagawa and H. Suzuki, of Ando Electric Co., Japan.



Gary Brown, Mike Elovitz, Paul Gibbel, and Aspi Kolah with Tom McCarthy during the Data Recorders Sales Reps' visit to Sarasota.

Twenty-five representatives from the following Domestic Rep Organizations attended: Elotek Systems, Hood Engineering Sales, Wade H. Boggs, Inc., Vic Myers Associates, WKM Associates, Intersell, KLS Associates, Scientific Devices, Sel-Tronics, John Flora Company and Marsland Associates.



Data Recorder Sales personnel came to the plant for additional training, following the Sales meeting. Tom McCarthy (left) explained some of the fine points of our EDCS equipment to Steve Hoff, Dave Wheeler, Ed Remorenko, Wade Boggs, John Flora, and Shelton Strickland.

NEW MEMBERS TRAIN FOR QUALITY CIRCLES

Seven employees are joining our Quality Circle program this month by attending a workshop on Quality Circle techniques. These members are new additions to our existing Quality Circles. The workshop took place on three consecutive Fridays during May, according to Quality Circle Facilitator Dexter Nash.

The new members are Dick Bridgman, Gary Hellard, Elizabeth Horton, John Jurasek, Phil Luquette, Polly Smith, and Becky White. At the conclusion of the workshop, these members will participate in their Department Quality Circles.

SOFTBALL PRACTICE STARTS

Fairchild Weston Systems' Men's Softball Team is preparing for the Sarasota County League Softball season which starts around June 20. Games will be on Monday and Wednesday nights at Bee Ridge Park or Fruitville Park. Our players include: Manager Glen Trincia, Wayne Brinton, Ken Coonce, Steve Creech, Tom Greinke, Maurice Gritzman, Tom Hackett, Ray Joseph, Rob McLendon, Dexter Nash, Jim Norman, Jim Norton, Pat Parrish, Robin Speidel, Dan Toler, Bill Whaley, Don White, and Joe Yeager. Call Glen Trincia if you'd like to join the team.

NEW TEST STATION FOR DATA RECORDERS

A new automatic test system for Data Recorder testing is currently undergoing final preparation and software design. The two-rack Hewlett Packard Automatic Test Station was "racked and stacked" by Jerry Stubbs, of Field Service. Woody Griggs, of Test Engineering, is doing the software, and Jon Thompson, of the Cal Lab, aided in debugging the system hardware.



Woody Griggs and Jerry Stubbs with HP Automatic Test Station.

The HP Automatic Test Equipment provides an automatic, fast way to record large amounts of test data. This frees the Technicians to do the jobs their specialized training equips them for -- trouble shooting and meticulous alignment for complex equipment with many variables.

The HP test station will improve Data Recorder quality, reduce test time, and provide a professional, computerized printout of test parameters for the customer.

WIND SHEAR SYSTEM ORDERED BY NAVY

Data Systems Division has received an order for a Low Level Wind Shear System from the U. S. Navy Air Test Center, Patuxent River, Md. The order is significant because this is a key Naval air test facility, and this will be the first utilization of our Wind Shear System by the military. The Patuxent River installation will be evaluated by the Navy and Air Force for potential use at other military installations.

The system is scheduled for installation during July. Project Engineer Walt Knopik is directing modifications to our standard wind shear system. Other LLWS systems have been installed at 58 airports throughout the United States.



SAFE FOR OVER 1,300,000 HOURS

Our Safety record continues to grow. At press time we reached over 1,320,000 hours without a lost-time accident. Our goal is a 100% accident-free work place. Continued safety awareness can help all of us avoid painful injuries.



MODEL 80-T SHIPPED

Our first Model 80-T Data Recorder was delivered to a customer during May. The unit is a 28-channel Direct Record System, with remote computer control through IEEE 488 interface.

This Model 80-T design is qualified for Tempest, a Government specification which limits the electro-magnetic radiation of a device.

DISPLAY EQUIPMENT AT PARIS AIR SHOW

Data Systems Division equipment will be on display at the world-famous Paris Air Show May 26-June 8. Equipment to be shown to potential customers includes our 5000-series Airborne products, Model 8320 PCM Bit Sync, SWIMS system, and Exprt System, plus our CVR and DFR Aviation Recorders. Attending the show will be Barry Hawkins, Richard Painter, Bud Thurmond and Tom Thomas.

★ GRADUATION TIME ★

It's Commencement time, and time for our annual June Graduates issue of PULSE. Please send in those pictures of sons, daughters -- and employees -- who are graduating from high school and college, and let us share in the happiness of Graduation Day!

CONGRATULATIONS!

GAIL HOYT (Signal Processing) became Mrs. Kevin K. Jongebloed on April 23. Peggy Creadon, also of Signal Processing, was a member of the wedding party.

ART ACOSTA (Industrial Engineering) and Salena Renee Sherman were married May 14th in Tampa.

MARTHA EATON (Accounts Payable) and JOE EATON (Plating) welcomed their first granddaughter, Tara Alanna Eaton on January 23. Their son Marty is a First Lieutenant in the U. S. Army, based in Hawaii, and his wife Carol is a Captain in Army nursing at Scofield Barracks, Hawaii. Martha and Joe plan to travel to Hawaii in August to see the new baby.

QUALITY — — NEW EMPHASIS ON QUALITY ENGINEERING

Maurice H. Gritzman
Manager, Quality Engineering

The Quality Engineering Department has undergone an organizational facelift since the beginning of the year. Most of the changes have occurred to realign Quality Assurance Engineering (QAE) responsibilities with product line manufacturing. (See the organization chart.)

The organization resembles the Data System Division organizational structure and provides direct Quality support to the product lines.

Quality Engineers supporting the unique product lines have broad educational backgrounds -- Electrical Engineering, Mechanical Engineering, Physical Sciences and Mathematics. Work experience is diversified also -- Reliability Engineering (R & D and Production), Manufacturing Engineering (high volume Government electronic systems), environmental testing, process control and applications engineering. These backgrounds allow the Department to partake in a variety of Manufacturing and Engineering development activities such as Statistical Methodology, Product & Process Quality planning, vendor control, product design review, Quality cost analysis and environmental testing.

Recognizing the need to focus on the Division's future business projections, the Quality Engineering department has set aggressive goals and objectives striving to achieve an optimum combination of Quality and cost. Emphasis has been placed on current contractual obligations (specifications), future government procurement, current manufacturing practices affecting Quality policies, phased method improvements and the establishment of strong communication rapport.

Many of the goals established by Quality Engineering are short-term and can be achieved with support from Manu-



Component Engineering -- Maurice Gritzman, Manager of Quality Engineering, and Don Sittler, Quality Assurance Engineer (Equipment Recorders).



Technical Information Center (New Military Specs, Military Handbooks and MS drawings have been added to the microfilm file.) Bill Miller, Component Review; Bill Double, Failure Analysis & Part Qualification.

facturing, Engineering, and Procurement. Improvements such as Integrated Circuit burn-in and design standardization are ongoing. These activities will upgrade the Reliability of our standard products and aid in the standardization of new product design.

The standardization concept will provide an opportunity for substantial savings in direct material costs, reduced engineering and manufacturing costs and minimum procurement delays. The IC burn-in will improve Reliability of our products in the field by eliminating "infant" mortality piece part failures.

Future product development will necessitate additional Quality Engineering improvements. With prospects of increased Government procurements, the need for environmental testing is inevitable. This is one of the primary long-term objectives of the Quality Engineering Department. Considerations are underway for sequential low level random vibration and flexible thermal cycling capabilities which will greatly enhance the Reliability and Quality of our future products. This type of testing will screen out the troublesome workmanship discrepancies and piece part failures which we occasionally find in the field. However, implementation will require support from Manufacturing, Engineering and management, to plan for the most cost effective environmental facility for this Division. Other long-term objectives include improvements in failure analysis and failure reporting programs.

There are a number of other Quality Engineering method improvements which, when implemented, will enhance the Quality of the products we manufacture. Improved control of discrepant material in the Material Review Area (MRA), new solderability testing procedures, system level burn-in and failure reporting methods have been analyzed for near-

QUALITY ENGINEERING

(Cont'd from Page 4)

term implementation. Topics for future consideration include ESD (Electrostatic Discharge), documentation, FIFO (First In - First Out), R & D Quality requirements and trend analysis.

The backbone of the organization is the people who support it.

The continued success and improvement of the Quality organization depends largely upon the constructive feedback from all product lines. The Department welcomes the opportunity to contribute in producing the best Quality and cost effective products for our customers.



Final Acceptance Testing/Quality Control -- Larry Foster, QAE (Instrument Recorders); Bob Williams, Final AT, and Claude Howard, Final QC.



Calibration Lab -- Standing, Ray Sola, Jon Thompson, Supervisor Jay Lawton; seated, Terry Honeycutt and Bob VanDoninck.



Material Review Area -- Standing, Tom Hackett, QAE (Telemetry); Larry Dunham, Quality Assurance Coordinator, Kathy Lowe, MRA Attendant.



Materials & Processes Lab -- Bonnie Iler, M & P Technician.

NATIONAL HONOR GIVEN

Anna Just, of our Printed Wiring Assembly area, with her husband Charles, and daughter, traveled to Washington, D. C., to attend a special ceremony on May 5 honoring Charles' daughter as the "Handicapped American of the Year."

Patricia Just Long, paralyzed since contracting polio at the age of four, is a producer-announcer with the South Carolina Educational Radio Network in Columbia. She was honored by the President's Committee on Employment of the Handicapped for her drive, determination and enterprise in overcoming her disability, and for her leadership in the equal rights movement for disabled people.

Patricia was invited to the White House where she met with President Reagan and Harold Russell, Chairman of the President's Committee on Employment of the Handicapped. The President's Committee Conference ran May 4-6, and there were several thousand attendees.

"We stayed at the Washington Hilton, heard Vice President Bush speak at the Conference, and have some snapshots of Patti and her husband with the Vice President," Anna said. "It was a lovely trip, and we were so happy to be there. We are very proud of Patti and her many accomplishments."

GROUPS OF EMPLOYEES OBSERVE MAJOR SERVICE MILESTONES

Congratulations to a large number of our fellow employees on reaching major service anniversaries during May.



Happy anniversary on five years of service to: (seated) Etta Williams, Gail Salter, and Marlowe Lymer; standing, Eugene Kennon, Vivian Gilliam, Wayne Sarnie, Ray Hunter, Sam Virts and Debbie Woolard. Missing from this photo is Julian Sunderman who also completed five years of service this month.



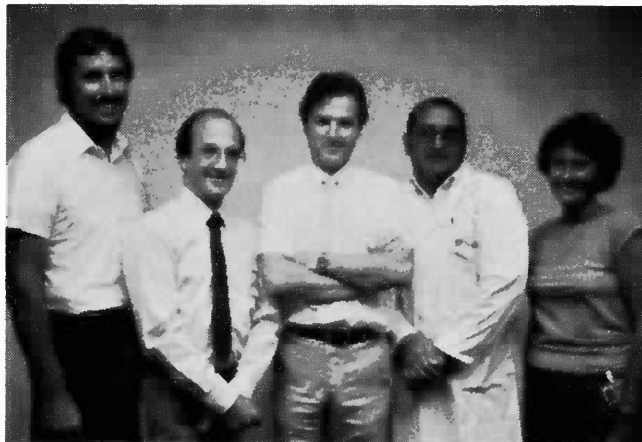
Anniversary greetings to (standing) John Brisbin (20 years), Richard Healy (10 years) and five-year veterans Mike Rhodes, Sharon Ames, Chuck Berster, John Burr, Bernie Dorobkowski, and Stan Stortz. Seated, Sandy Halverson, Larry Bickford, and Shirley Huckaby, completing five years of service this month.

SURPLUS AUCTION

Our Surplus Auction on Saturday, May 21, brought an enthusiastic bidding response from many employees. The old saying about "trash" and "treasure" certainly rang true as dozens of employees bid on surplus electronic equipment, furniture, etc.

Auctioneers were Wyatt Bishop, Roy Hollifield, John Kerwin, and Bill Shaw. After employees had first choice at the auction, the Company donated some surplus to Manatee Junior College and Sarasota Vocational Technical School.

Most often heard remark at the Surplus Auction? "My wife is going to kick me out of the house when I bring this stuff home!"



Major service anniversaries were observed this month by Joe Lehmann (25 years); Charlie Grouse, Claude Vatinelle and Bud Lang, all with 20 years of service, and Joan Stabenow, completing 10 years with our company during May. Missing from this photo is Lucille McGahee who completed 20 years of service this month.

FIRST AID BRIEFING

Employees in our Machine Shop, Sheet Metal Shop, Tool & Die and Short Run areas received a special briefing on first aid treatment in case of industrial accidents recently.



Occupational Health Nurse Debbie Graham offered tips on treatment, including assuming that any accident victim might suffer from shock, how to recognize shock, and how to prevent shock. Additional information included "what to do before the Nurse arrives" for bleeding victims. The training reinforced our employee Safety Awareness program.

VISITORS FROM ABROAD

International visitors from many countries have visited Data Systems Division recently for training on our products and systems. Customer representatives have come from Mexico, Argentina, Indonesia, Germany, Brazil, India, El Salvador, and Israel.

Technical discussions and a variety of training classes were conducted by Harry Durrett, Vince Supple, Fred Bertram, Tom McCarthy, Peter Simmons, and others for the visitors.

STUDENTS VISIT FOR CAREER DAY

Students from Riverview High School visited the Data Systems Division on April 27, as part of the Sarasota County School System's Career Day '83. Three students spent the day "shadowing" employees here, to explore potential future careers and education requirements.

The three Riverview High Juniors concentrated on our Machine Shop, Procurement, and Industrial Engineering areas. Local business and industry cooperated in the project which was organized by the Junior League, Sarasota County Chamber of Commerce, and Sarasota School Board for Sarasota high school Juniors.



Pictured during the Career Day visit to our Tool & Die Shop are Toolmaker Dick Veigel, Riverview High student Chris Zieschang, Fabrication Manager Eldon Andrews, and Pat Zieschang (Chris' Mother). Pat Zieschang is a Secretary in our Recorders Engineering area.



In Procurement, Senior Buyer Gary Bowers, standing, and Procurement Manager Mike Lockwood, seated at right, hosted the Career Day visit of Riverview High student Gary Honaker.



Industrial Engineer Art Acosta escorted Riverview student Craig Bow on a tour of our Production facility. Here they are visiting Susie Carrico in Assembly.

CENTRAL DRAFTING FACILITY NOW IN OPERATION

Here's the "after" view, showing our newly renovated Design and Drafting centralized facility, and some of the people who made it possible. Lab 4 was completely redone



Members of Design and Drafting occupied their new central drafting room earlier this month.

with improved lighting, carpeting, etc., and now provides a pleasant home base for our central drafting operation.



Pictured are the members of our Plant Engineering and Maintenance team who played a key role in the renovations: Ernie Powell, Horst Scheller, Rob Crawley, Dan Konieczka, and Kay Cole. Missing from this photo is Joe Smith, who was also very active in the project.

EMPLOYEES BENEFIT FROM HEALTH SCREENING PROGRAM

Over 350 employees took advantage of the Health Screening program offered at Data Systems Division during the past few weeks, in cooperation with the Sarasota County Health Department.

Nurses Marge Fox, Myrna Marble and Becky Clapp did the tests for hypertension, diabetes, glaucoma, anemia, and tuberculosis.

"Some potential health problems were detected for several employees, and most were unaware they had a problem," Occupational Health Nurse Debbie Graham said.

"Our thanks to the Sarasota County Health Department and their nurses for providing this service," Debbie said. "And thanks to all the employees who participated for your cooperation, and for taking responsibility for your good health."



Grovenia Houston can smile, even when Nurse Becky Clapp draws blood.



Marge Fox took Jack Boehner's blood pressure.



Myrna Marble, Sarasota County Health Department Nurse, did TB test for Fred Spreen.



A glaucoma test was given to Rose Routsong by Nurse Myrna Marble.



Nurse Becky Clapp took blood sample from Josefina Nunez at health screening.