



FAIRCHILD WESTON

Schlumberger

FAIRCHILD WESTON SYSTEMS, INC.
DATA SYSTEMS DIVISION
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NEWS ABOUT DATA SYSTEMS DIVISION

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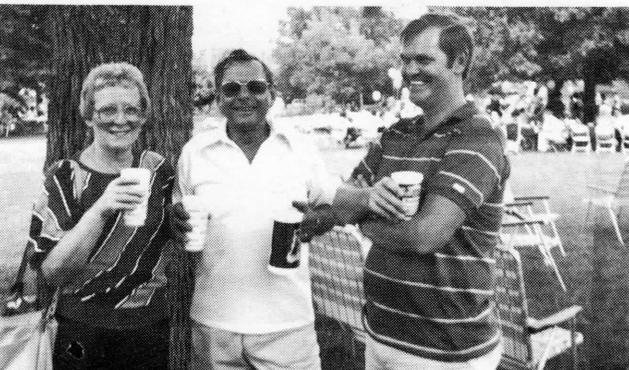
FAMILY PICNIC WAS A FUN EVENT

It was a fun picnic for the many hundreds of employees and their families who gathered at Elks Park on Saturday, October 22. The location was a grassy knoll overlooking Phillippi Creek.

There was bright sunshine, intermingled with a couple of refreshing showers ... delicious food ... games and prizes ... music ... dunk tank ... beer and soft drinks ... volleyball, horseshoes, tennis, tug-of-war, plus visiting with friends, and reunions with Retirees.

Special appreciation goes to all the volunteers who helped to make it a successful day for all who attended.

Thanks to our team of photographers who helped to record the event: Mike Hutchinson, Jeff Norris, Tom Salmon, Art Smith, and Mike Wagner. Photos will be posted on bulletin boards for your enjoyment.



DOOR PRIZE WINNERS were: Gary Hellard (Mr. Coffee automatic coffee maker); Emma Green (Showboat Ceiling Fan); Martin Belkin (AM/FM Radio/Digital Clock/Telephone), and Betty Hunt (\$50 gift certificate for shopping at Publix).

Winning teams were:

TUG-OF-WAR - Women: Paula Baker, Patsy Fulcher, Peggy Huestis, Carol Waters, Kris Weaver; Men - Fuad Ali, Greg Lambert, Russ Phillips, Wayne Sarnie, Dick Van Deusen. The men's group is the winning team for the third consecutive year.

HORSESHOES - First place teams: Pat Bowers & Earl Studenwalt; Bob Johnson & Bill Zoerner; Second place teams: Alma Sanger & Wendy Schroyer; Bill & Steve Whaley.

An Equal Opportunity Employer M/F/H/V

A NEW BOOK ON TELEMETRY

JUD STROCK DESCRIBES THE BIRTH OF HIS BOOK

Applications Engineer Jud Strock is the author of a new volume on telemetry systems. The book is entitled "Telemetry Computer Systems - An Introduction," published by the Instrument Society of America and Prentice Hall, and is priced at \$44.95.

"It is hardly likely to be a best seller," Jud said. "However, since it is the first telemetry book published in more than a decade, and the first ever to describe the computer in a telemetry system, it should find its way into engineering offices, technical libraries, and some college classrooms, as the textbook for elective courses on telemetry."

Here's Jud's description of how the book came about:

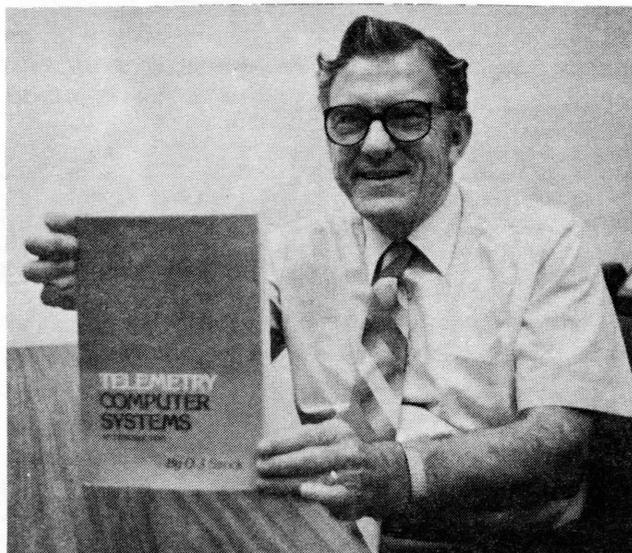
"Several years ago Bob Murphy, one of our Telemetry Sales Engineers, wanted a brief explanation of 'slow code' as output by the 741 or 742 Time Code Translator. In preparing the response, I realized that many telemetry users know details about parts of a system, but know very little about the overall system.

"Since I had worked for a receiver manufacturer, had sold time code equipment, tape recorders, and other elements of a telemetry system, and had experience with FM, PAM, and PCM equipment with our company, I thought possibly I would 'put it all together' for the Sales Engineers in my spare time, evenings and weekends.

"One day, on an airplane headed for St. Louis, I thought of writing a text for a two-day telemetry overview, and then offering the class to management-level customers for a fee. This could provide service to the busy manager, while describing our unique product and system capabilities. The idea got a very lukewarm reception when I presented it to Bob Murphy that night. By morning Bob had thought it over and was enthusiastic about the idea. So the book got started.

"The first actual class using this new 400-page text was for Sarasota employees in February, 1981. Students' comments became part of the revised version completed in May of that year. Then we presented the class for customers in several cities that summer, and even for customers in India. We continued with more classes for customers through early 1982, and got unsolicited encouragement to submit the book for publication.

"I contacted the Instrumentation Society of America, one of the sponsors of the annual International Telemetry Conference (ITC), since they have a large publishing house to support their 35,000 members worldwide. A contract was signed in August, 1982, and after considerable rework, I was informed the volume would be published in time for the October, 1983 ITC.



Author Jud Strock and his new book, Telemetry Computer Systems.

"The book covers all aspects of telemetry-computer systems. The publisher agreed to allow use of EMR and SABRE products as examples, and to highlight certain new products and techniques which are not available elsewhere. As a result, the book emphasizes our 715 Multiplex Processor, 760 Buffered Data Channel, Televent Software, the 7909 Flight Monitor Hardware/Software, and our 'Datawatch' monitor system for nuclear power plants, and other products and techniques."

Jud acknowledges the contributions of many colleagues. "My ability to put such a book together is based on hundreds of conversations through the years. My associates here, at the other companies for which I worked, and at the Eastern Test Range, were in a genuine sense contributors, and I was mainly the scribe."

In the book's acknowledgments, Jud mentions help he received from Art Kelley, Wiley Dunn, Gary Schumacher, Bill Waggener, and Graham Hildebrand. He references a variety of documentation by Graham Hildebrand, Art Kelley, Bill Kessler, Kent Morgan, Gary Schumacher, and Bill Waggener. Jud also thanked our Word Processing Department, led by Kathy Boley, and our Illustrations Department, led by Jim Horvath.

ABOUT THE AUTHOR

Applications Engineer Jud Strock has been associated with our company for 13 years, and has been in the telemetry field for 26 years. He earned his BSEE degree from Auburn University, and was editor of his Junior College newspaper at Edison College, Ft. Myers. In the Air Force he was an electronic warfare officer and received the Air Medal decoration for valor in combat.

A NEW CAFE COMING

There will be a new Cafe opening soon -- in the center of our building -- for the convenience of employees who are some distance from our main Cafeteria. Renovations are now taking place, and the "grand opening" is expected about mid-November.

The new Snack Area will feature vending machines, microwave ovens, and attractive new tables and seating. The location is in the "L Building" near the Stock Room. Employees with good memories will recall that this was the location of our Cafeteria at one time.

Our main Cafeteria will continue to be the place for hot food service, salad bar, sandwich bar, and luscious fattening desserts.

Care? Then Share.



United
Way

Thanks to you it works . . .
FOR ALL OF US IN SARASOTA COUNTY!

A NEW BOOK ON TELEMETRY

(Cont'd from Page 2)

Jud worked on airborne radar and the Nike missile guidance system as a Radar Engineer at Western Electric. Later he was a Range Implementation Engineer on the Eastern Test Range, his first experience with telemetry.

Jud originally joined EMR in Sarasota in 1957, and was a Systems Engineer on several dozen systems here. He had responsibility for the ground stations for the Gemini and Dyna Soar programs here. Jud was instrumental in starting Applications Engineering at EMR in 1963. His outside experience with other employers has involved receivers, taperecorders, time code equipment, and special computer systems.

He rejoined our company in 1978. Jud is currently an Applications Engineer with responsibility for giving technical support to Sales Engineers as they deal with prospective customers. He also prepares written and oral presentations as they are needed.

Copies of the new book are available through ISA headquarters in North Carolina.

IN-HOUSE CPR CLASS STARTED THIS MONTH

Our initial in-house class in Cardio-Pulmonary Resuscitation (CPR) life-saving technique began October 21. Representatives of our Safety Committee formed the first class, with Occupational Health Nurse Debbie Graham as Instructor.



Undergoing CPR training are Fred Stiefel, Jim Norton, Bill Shaw, Bob Boyer, Al Marion, Instructor Debbie Graham, Gene Waldroop, and Wayne Brinton.

"CPR certification by the American Red Cross calls for nine hours of instruction which we will conduct in three sessions," Debbie said. "There is also a qualifying examination, and the certification is good for one year."

The in-house CPR classes will be offered to groups of employees on a continuing basis, as scheduling time permits. The life-saving techniques learned in these classes are skills we can carry with us in all of our activities -- at work, at home, or wherever we are, Debbie noted.

CREDIT UNION OFFERS NEW LOW-COST LOANS

The Employees Credit Union at Data Systems Division has money to lend at very favorable rates.

★ Members can now borrow against their shares at the low, low rate of 10%. This means that if you have money invested in the Credit Union, you can borrow against your own money at the rate of 10%, and repay through convenient payroll deductions.

★ For a limited time, the Credit Union is also offering loans for 1983-1984 cars and trucks, for qualified borrowers, at 12% APR, for up to a maximum of five years.

Remember, in addition to the convenience of payroll deductions, your loan is also covered by the Credit Union's life insurance.

PATENT AWARDED

Congratulations to Martin Belkin, Manager of Engineering for Instrumentation Recorders, on the award of a patent entitled "Phase Tolerant Bit Synchronizer for Digital Signals."

"Motivation was to develop a bit synchronizer that had fewer tuning elements than our prior synchronizers," he explains. "Another attribute was a $\pm 180^\circ$ phase lock range using a relatively simple circuit. As implemented in the Model 9 Recorder, the synchronizer logic elements are included in a gate array which contains all of the HDR (High Density Recording) decoder circuits."

With his usual wit, Martin commented, "Necessity is the mother of invention, and a patent is the child of an attorney."

SALES & MARKETING TAKE PART IN SHOWS

Sales and Marketing personnel from our Data Recorders, Aviation Recorders, and Telemetry groups have been actively participating in October technical shows and meetings. Among the sessions we took part in are:

- Oct. 3-7 Tape Head Interface Committee, Baltimore, MD
- Oct. 10-13 Instrument Society of America Show, Houston, Texas (Data Recorders)
- Oct. 18-20 Anti-Submarine Warfare Tape Recorder Steering Group meeting, San Diego, Calif. (Data Recorders)
- Oct. 24-27 International Telemetry Conference Show, San Diego
- Oct. 26-28 Chesapeake Electronics Show, Washington, D.C. (Data Recorders)
- Oct. 31-Nov. 3 Association of Old Crows Show, in Virginia (Data Recorders)

BLOOD DRIVE NOV. 2

Fairchild Weston employees are volunteering their blood to help others. The Lower West Coast Blood Bank's Blood-mobile will be at our plant on Wednesday, November 2, from 9 a.m. to 2 p.m. To participate, please see Nurse Debbie Graham, who is scheduling the time for Donors.

Remember, our Blood Bank is available to all employees, their families, and retirees whenever blood is needed. Simply call Debbie Graham, Ext. 559, to make arrangements for blood when the need arises.

TEACHES CLASS

Jud Strock, of Applications Engineering, taught a class on Telemetry Computer Systems at the ISA International Convention in Houston October 13-14. The class was sponsored by the ISA Training Department, using Jud's newly-published book as the text.

SOME VIEWS OF OUR



OUR FAMILY PICNIC



HAPPY BIRTHDAY, QUALITY CIRCLES

COMING SOON ... A CELEBRATION OF ONE FULL YEAR OF QUALITY CIRCLES AT DATA SYSTEMS DIVISION ...

A YEAR OF ACCOMPLISHMENTS, LEARNING, AND SHARING ... WATCH FOR THE ANNOUNCEMENT.



QUALITY CIRCLE PROJECT CREATES NEW STORAGE AREA

Members of the Machine Shop Quality Circle and employees in the Machine Shop are developing a new storage area for tools and fixtures in the middle of the Metal Machining section near Shipping. The Circle, known as the "Flamboyant Nuts & Bolts," originated the idea of having a centrally-located storage area, with adequate shelving, to accommodate the tools and fixtures needed for the CNC mills and NC mill.

Early work on the storage area, involving welding and carpentry, was done by Larry Stewart, Don McCrea, and Armand Cheramie. Other work is being performed by Machine Shop employees and the Quality Circle members. The storage project is expected to be completed in November.

In an earlier successful Quality Circle project, the Machine Shop employees developed a portable screen to place around certain machines. The screen confines chips to the immediate area, thereby improving safety and making clean-up easier. The group now has four such screens, and the results have been excellent, the employees report.

ATTEND LEADER SEMINAR

Quality Circle Facilitator Tom Hackett and Personnel Representative Dexter Nash participated in and assisted in conducting the Quality Circle Leader Training Seminar at West Union, S.C., October 17-20. There were about 20 participants from the Sangamo Weston plants at Oconee and Pickens, S.C., and Rabun, GA., along with our two Sarasota representatives.

CIRCLES PLAN REVIEWS

Quality Circles Project Reviews will take place during November and December. These reviews will be presented to the Advisory Committee and associated Management by the Quality Control members. The purpose of these reviews is to demonstrate each Quality Circle's accomplishments.

LOOK FOR SAFETY STICKER



When you see this symbol around the plant, it means another Safety action has been taken -- as a result of your Safety inputs, and the Safety Committee's actions. The stickers are placed in areas where new safety projects have been completed, and as a continuing reminder of the need for safety awareness by all employees.

CONGRATULATIONS!

FUAD ALI (Telemetry Systems Engineering) and his wife Hana are the proud parents of a baby girl, Sumer, born on September 28. She weighed in at 7lb. 4 oz.

DEBBIE BEYERLEIN (Receiving Inspection) and her husband Jamie announce the arrival of their daughter Krista Lee. Krista weighed 8 lb. 10 oz. when she was born on September 29.

PATTY BRENNAN (EDC) became Mrs. Jeffrey H. Lehman in a church wedding on October 8.

MICHAEL O'BRIEN (Telemetry R&D) and his wife Susan welcomed their baby daughter Megan Nicole on October 10. Megan weighed 9 lb. 2 oz. at birth.

IRIS OWENS (Reprographics) became Mrs. R. David Thompson on October 14.

MYRON KLINESCHMIDT (Photolab) won third place in the Venice Sun Fiesta Southern Style Photo Contest, with a picture of his son Ron, and Iris Owens Thompson's son Travis, fishing on a river bank.

CHRISTOPHER PARRISH, young son of Pat and Charlene Parrish, was crowned Venetian Sun Fiesta Diaper Derby King October 15, and participated in the October 22 Parade.

RAM, ROM, FLOPPY DISK?

A personal computer information seminar for employees was offered on October 20 by Technical Director Bill Waggener and Dale Dennis, Manager of Information Systems & Programming. The two experts provided much information to help the 25 employees who attended to become more "computer literate."



The audience gave speakers Bill Waggener and Dale Dennis (standing) rapt attention.

SOFTBALL TEAM HAS A WINNING RECORD

Our Men's Softball Team has posted a winning record of five wins and four losses at press time. The team's schedule runs through November with games at Bee Ridge Park and Fruitville Park.

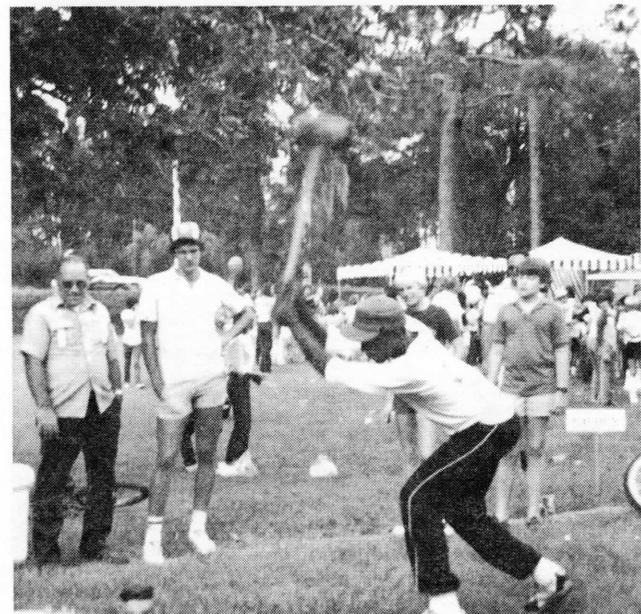
Members of the team are: Outfielders, Wayne Brinton, Rick Mitchell, Rob McLendon, Tom Greinke, Robin Speidel, and Ray Joseph; Third Base, Tom McCarthy and Mark Woods; Shortstop, Rick Shotto; Second Base, Dave Hart, Ben Robinson; First Base Joe Yeager; Pitcher, Dan Toler; Catchers, Jim Norman, Kevin Murphy. Coach and Utility Man is Pat Parrish.

DECISION TIME ON GROWTH PLAN

November is the month to decide whether you wish to increase or decrease your contributions, or change your funding election for future contributions to the Schlumberger Contributory Investment Growth Plan. The deadline is November 30.

This is also the time for employees who have been with the company for at least one year, and who chose not to contribute to the Growth Plan, to get in touch with Wendy Schroyer, Ext. 526, for information about beginning your contributions to the Growth Plan.

MORE PICTURES OF OUR FAMILY PICNIC



INSURANCE CHANGES EXPECTED SHORTLY

Plans are underway to streamline the handling of medical insurance claims. It is expected that within the next month, the procedure for automating insurance claim handling will take effect.

When the new system is installed, employees will be able to mail claims directly to the Aetna office in Tampa -- much as is currently done with our Dental Plan claims.

Announcements about the new medical insurance claim system will be made to all employees through Benefits Coordinator Wendy Schroyer. "We hope the new system will be more efficient and give employees a faster response on their claims," Wendy said.



SERVICE ANNIVERSARIES OBSERVED DURING OCTOBER

Congratulations to a large group of employees who reached major milestones of service during October. In the group are Skip Brawn and Dick Dungan who have each chalked up a quarter of a century with our company.



Celebrating major service milestones during October were: (standing) Skip Brawn and Dick Dungan (25 years); Jake Sims and Vince Supple (10 years); Rob McLendon (5 years). Seated are Louise Schmitt, Chris Gates, Joe Dalton, and Cinda Whaley, all observing five years of service.



Nick Ostrye (left) rounded out ten years of service this month. Don Lamerson (at right) completed five years with our company during October.



AIMING FOR ANOTHER GOOD SAFETY RECORD

At press time, we have reached over 140,000 hours without a lost-time accident, thanks to YOUR safety awareness.

Our previous record was 1,887,750 hours without a lost-time accident.



Happy anniversary to Bill England (15 years) and this group of employees who completed five years of service during October: Standing, Bill England, Steve Creech, Ed Bassett, Hutch Ferrugia, Bill Cox, Alma Sanger. Seated, Ed Burns, Sharon Venneman, Rita McCrea, and Burt Schmitt.

MOBILE VAN SYSTEM HEADS FOR ARGENTINA

A van-mounted mobile quick-look PCM system left Sarasota for Argentina this month, to be used in testing trainer aircraft in conjunction with our ground telemetry system delivered to the Argentine Air Force in 1982. Len Zeiler and Gary Snyder coordinated the system work and the installation of the equipment in the van. Representatives of the Argentine Air Force Flight Test Center were in Sarasota this month for system acceptance testing and training.



From left, Sergio Silva, Angel Febre, and Jorge Ferrari, of the Argentine Air Force Flight Test Center, and Gary Snyder, of Systems Engineering, are shown with the van which contains a PCM quick-look system.