

FAIRCHILD WESTON
SYSTEMS INC.
Schlumberger

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. 4

APRIL, 1987

## PARADE FLOAT A SUCCESS IN DE SOTO CELEBRATION



YEAH, TEAM — Some of the float volunteers gave a cheer as our parade float reached completion. Major contributors in the foreground: Larry Stewart, Linda Lotz, John Elliott, Rita McCrea, John Burr, Bill England, Don McCrea, Darrell Powell. Other volunteers, second row: Susie Carrico, Alan Dyer, Welma Bohon, Ann Stinton, Rita Jeannette, Marc Kolchakian, Berenice Henderson, Joanie Odzic, Patty

## APRIL BUSINESS NEWS

Telemetry standard product orders booked during April reached \$1,000,000. This is the third consecutive month that Telemetry standard product contract awards have approached the \$1,000,000 mark, which is well above our normal historical expectations for standard product orders.

Woolums, Helen Duthe, Howard Graham, Don Parker, Jon Thompson. Third row: Pat Jones, Rick Greenawalt, General Manager Carl Schleicher, Alwilda Fisher, Teresa Smith.

And there were other volunteers, missing from this photo, who contributed and deserve congratulations for this great volunteer effort by employees. (Cont'd on Page 2)

### MARCH TRIVIA GAME WINNER

Congratulations to Lillian Eger — our Trivia Korner winner for the second consecutive month! Lillian wins a \$50 U. S. Savings Bond.

Be sure to check this month's Trivia Korner. It's multiple choice, and you might be able to give Lillian some competition for the Trivia prize. Good Luck!

AN EQUAL OPPORTUNITY EMPLOYER M/F/H/V

### PARADE FLOAT A SUCCESS IN DE SOTO CELEBRATION

It was a remarkable achievement by a group of dedicated, hard—working volunteers.

These employees got together and designed and built a very effective parade float, representing Data Systems Division's 30 Years in Sarasota, and participated in the DeSoto Celebration Grand Parade on April 11 in Bradenton.

In addition to the numerous employee volunteers who devoted many hours of their personal time, weekends and evenings, a group of young people were selected to ride on the float, and their parents and other volunteers walked beside the float the whole three—mile parade route. Fairchild Weston balloons were inflated and handed out to spectators along the way, adding to the festivities.

The young people on the float and their parents were: Nicki Fisher (Alwilda Fisher); Sarah Rosier (Jeanne Ruth); Lilarie

Thomas (Ray Thomas); Aaron and Kathy McCrea (Rita & Don McCrea); Samantha Christian (Ed and Evelyn Christian), David Chapman (Michele Chapman), Jeremy Elliott (John Elliott) and Rebecca Devine (Regina Devine).

Other major participants the day of the parade included: Linda Lotz, Larry Stewart, Janice Thomas (who made the poodle skirts worn by the young ladies on the float), Jeff Norris and his wife Sue; Marc Kolchakian, Alan Dyer and Sheila Briley. The list of hard—working volunteers is long and probably incomplete, because of the many contributors to this project.

Many employees offered congratulations to the volunteers on an extraordinary effort, and a huge success. The float is being registered for two more parades — Arcadia on May 30, and Venice in October.



This photo of the float by Bruce Biggs. Other photos taken at the parade are posted at bulletin boards, thanks to Sandie Woods, Sandy Halverson and Rick Greenawalt.

# OUR EQUIPMENT DEMONSTRATED AT FLORIDA SPACE CONGRESS

Data Systems Division was represented at the 24th Annual Space Congress, sponsored by 26 technical societies, in the Cape Canaveral area, April 20–25. Jim Horvath, Jud Strock and Joel Weber manned our show booth at the symposium on space science and advanced technology in Cocoa Beach. Our display featured the Model 8385 Display Station operating hardware and the work we are doing for the Boeing IUS (Inertial Upper Stage) contract.

# CREDIT UNION OFFERS LOW CREDIT INSURANCE

Did you know your Fairchild Sarasota Credit Union provides credit life insurance on the amount of your vehicle loan at a low one—half of 1%? This low rate compares to 2% (and up) at other lending institutions.

For example, on a \$10,000 car loan, your credit life insurance through the Credit Union is only \$50, compared to \$200 or more at other lending institutions. Check with your Credit Union first — Ext. 5535.

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## SOME BENEFITS IMPROVEMENTS AND CHANGES ANNOUNCED

An improved vesting schedule for the Data Systems Division Pension Plan and the 401(k) Savings Plan will benefit many employees, and information about the Plans was being prepared for distribution to all employees in late April. In addition to these improvements, changes in the Savings Plan investment options are also being announced.

Details of the changes and improvements will be discussed in group meetings with all Sarasota employees in May, and employees are invited to submit questions for the meetings.

#### VESTING IMPROVEMENTS

The PENSION PLAN vesting improvement is effective January 1, 1987. Employees will become fully vested in a company pension on an employee's FIFTH anniversary of service. Previously, full vesting occurred on an employee's 10th service anniversary. (Regular full pension benefits are available at 65, or early reduced pension after age 55.)

The SAVINGS PLAN vesting schedule, effective January 1, 1987, is now:

½ vesting after 3 years of service
 ½ vesting after 4 years of service
 Full vesting after 5 years of service

Previously, our Savings Plan offered one—third vesting after 4 years; two—thirds after 5 years, and full vesting after 6 years. The vesting schedule refers to the company's contributions and related earnings made on behalf of each employee. Employees are immediately vested in their own contributions and its earnings.

NOTE: "Vesting" means ownership by the employee.

#### CHANGES IN SAVINGS PLAN INVESTMENT OPTIONS

Effective July 1, 1987, a single fund for FUTURE contributions to the 401(k) Savings Plan will be established. In recent years, employees has a choice of three investment options—Fund A (Fixed Income Fund); Fund B (Diversified Fund) and Fund C (Schlumberger Common Stock Fund).

FUTURE contributions will go into the single Savings Plan Fund — known as the general Profit—Sharing and Savings Fund — after July 1, 1987. However, employees may retain current funds in Fund A and Fund C, or you can choose to transfer monies into the single Savings Plan Fund. Details about how and when these changes can be made are included in the materials distributed to employees, and will be discussed at the employee meetings in May.

#### SPECIAL EXCEPTION

An exception will be made for employees who at age 50 may make (or have already made) a one—time pre—retirement rollover of their account balance into Fund A. For these

employees only, future contributions (after their rollover) would continue to go into FUND A.

#### FORMS FOR FUNDS A & C TRANSFER

Forms are being distributed to employees to authorize transfer of Fund A or Fund C into the general Profit—Sharing and Savings Plan Fund on or about June 30, 1987. Employees may make this change now, or wait and change later, as outlined on the form and in the materials distributed.

"We urge all employees to study the materials carefully before making your investment decisions," said Personnel Director Rick Greenawalt. "There will be ample opportunity for questions before, during and after the employee meetings that will be held in May, but the deadline for turning in the forms is May 20, 1987, in order for your changes to become effective June 30, 1987."

Employees may call Alma Sanger, Ext. 5526, for answers to questions — and all employees will be invited to attend the informative meetings in May.

#### REMEMBER WHEN ...

Celebrating 30 Years of Progress in Sarasota

#### APRIL EVENTS OF THE PAST

- 1967 "Auto Industry Steps Up Telemetry," article in ELECTRONIC NEWS featured EMR Telemetry equipment used at GM's Milford Michigan Proving Ground.
- 1967 EMR equipment is again processing telemetry data received from the SURVEYOR spacecraft which landed on the moon this month.
- 1969 Over 120 youngsters enjoyed hunting Easter Eggs, eating ice cream, and winning prizes at the EMR—Telemetry Easter Egg Hunt at Cardinal Mooney High School.
- 1970 Don Roberts, Mike Moninger, and Karl Salek installed a new bobbin winder in the Magnetics area, to increase our capability and precision in producing inductors and transformers for our products.
- 1972 Charlie Hall's article, "A Technique for Binary BCD Conversion," was published in COM-PUTER DESIGN magazine.

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

# WAGGENER AND KEAL WIN PATENT FILING AWARDS

William Waggener, Sr., and John Keal have received cash awards for an invention they have developed and for which a U.S. patent has been filed. The men received \$250 each for their development, "Secure Communication System for Multiple Remote Units," which was filed in May, 1986.

A new Fairchild Weston patent incentive award policy was recently implemented. It provides an incentive to disclose new inventions and to help the company obtain patents for these new ideas.

The Patents Awards Program operates: as follows:

- \$250 will be paid to each individual inventor (up to a maximum of \$750 per application) for each original patent application which is filed.
- \$500 will be paid to each inventor upon the granting of a U. S. patent (up to a maximum of \$1500 per patent).
- Only inventors still employed by the company at the time of the filing or issuance of the U. S. patent will be eligible for the monetary awards.
- Recommendations on which inventions are to be filed for will be made by an Invention Review Committee.

In Sarasota Bill Waggener, Sr., coordinates patent information for our Division. The new patent incentive award policy was announced by Irving Hirschberg, Vice President, Technology Development, and became effective 1/1/86.

# MANUFACTURING ENGINEERS VISITED DATA SYSTEMS FACILITY

Members of the local chapter of the Society of Manufacturing Engineers visited Data Systems Division on April 14. Some 65 SME professionals attended a dinner at the Crown House and heard Operations Director Ray McPartlin talk about our company and what we do. The group then toured our facility.

Hosts for the plant tour were Ray McPartlin, Dave Clouse, Hans Kaiser, Al Marion, Mike Moninger, Bud Steinhoff and Bob Wallace. Al Marion, of Manufacturing Engineering, is Public Relations Chairman for the local SME chapter.

The Society of Manufacturing Engineers aims for the advancement of scientific knowledge in manufacturing and is dedicated to providing the means and methods of applying this knowledge in practice and education.

ENTER TRIVIA KORNER YOU MAY BE A WINNER!

### WELCOME ABO

Introducing some of our new e Systems Division recently - -



MIKE ANDREOTTA Technical Writer Telemetry



KEN NORBROTHEN
Program Sales Mgr.
Instrumentation Recorders
(Transfer from Syosset)



BRUCE BIGGS Photographer Graphic Arts



BERN PEARSON Sr. Reliability Engineer Quality Assurance

### W-4 FORMS ARE AVAILABLE

Two versions of the famous W–4 form are now available in Payroll – Form W–4 Employee's Withholding Allowance Certificate, and the newer Form W–4A two–page version. Employees are required by law to file a W–4 form before October 1, 1987. (Anyone not filing one by that date will automatically be adjusted to Married with 2 exemptions, or Single with 1 exemption.)

In a recent announcement the IRS says it "will not penalize employees for being underwithheld on their wages if they file in good faith a form W–4 or W–4A on or before June 1, 1987." [Announ. 87–16]

Our Payroll Department also has Publication 919, "Is My Withholding Correct?" for your use. Please see Karen Peterson or Ernestine Anderson in Payroll.

## ARD TO EMPLOYEES WHO JOINED US RECENTLY

mployees who joined Data

Welcome aboard!

We look forward to working with these new colleagues to achieve Data Systems Division's goals. Happy to have you with us!



BETH CORBIN Secretary Telemetry Contracts



CORINNA M. DECKER Word Processing Operator Signal Processing



CATHERINE A. HOULE Cost Clerk Cost Accounting



HAROLD LESLIE Sr. Tech Writer Signal Processing



FRITZ RUMMERY Technician Signal Processing



DEBORAH J. STILLEY Contracts Acctg. Clerk Controller's Organization



DON TAYLOR

Marketing Manager

Instrumentation Recorders



PATRICK TEAGARDEN
Asst. Signal Analyst
Signal Processing

## ESD - A NEW WAY OF LIFE IN ELECTRONICS INDUSTRY

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).

### BY SCOTTE LEE KAVANAUGH

In today's world of electronics, with higher speed, higher density, and lower power consumption devices, the danger of ESD damage increases, due to the thinner oxide regions of the devices. Devices are degraded or destroyed by static in two ways: by excessive voltage, or by excessive current. A person can provide one or both very easily to devices one is working with.

In fact, it may not even be necessary to touch the device. Just the presence of a charged body and its surrounding electrical fields may be sufficient to induce a potential across a device and cause failures. The resulting damage

can range from complete destruction to latent degradation and can result in limited life and premature field failures often referred to as "walking wounded."

The costs of replacing these damaged devices rises rapidly with the progress of an assembly through the manfacturing process. Costs increase dramatically when the failures occur in the field.

Realizing that one does not see, feel or hear ESD's below potentials of 3000 volts gives us an indication of the insidious nature of ESD - and also why it is hard to convince lay persons and technical people alike of the event's occurrence.

## LOOKING FOR A NEW, INTERESTING HOBBY? CHECK OUT THIS ONE!

Several Data Systems Division employees recently participated in an event known as the Society for Creative Anachronism's "Leather and Lace Wars." It was held at the Girl Scout Camp Honi Honta in Bradenton on April 3, 4 and 5. What was it all about? Here's the tale – told by Ed Kreyling, of SPS.

The Society for Creative Anachronism (SCA) is a non–profit, educational corporation based out of Berkeley, Calif. The SCA is dedicated to research and education in the lifestyles and customs of the people of the Middle Ages, through a technique known as "living history." The SCA has some 20,000 members in all 50 states. For the past 20 years members of the SCA have been acting out the lives of their chosen personas (characters) during school demonstrations, Medieval Fairs, and SCA tournaments. Each member chooses a nationality and a time period from Medieval Europe (650 – 1600 A. D.) and then researches and creates a history and lifestyle for that character. During SCA activities, the members bring these researched characters to life – – hence the term, "living history."

Members build Medieval garb (clothing), armor and accessories which would have been appropriate for that character at the time. Contests are held—— costuming, combat, target weapons, cooking, dancing, singing, games (chess, backgammon, pente) story telling, etc. Entries are judged on authenticity and the skill involved in its creation.

JIM SCHADL (Telemetry R&D) selected "Korrum du Mere," a 15th century French survivor of the plague, now a roaming mercenary and apprentice silver smith. Korrum is a member of the Masters of the Blade, a Medieval swashbuckling guild (Renaissance Italian street fighting, like in Romeo & Juliet). Some of Jim's fine silverwork was presented at a court held during the April event and given much praise by all who attended. Jim is Deputy Minister of Science, an SCA





Jim Schadl (as Korrum du Mere — a French 15th century merchant) has participated in the Clearwater Medieval Fair and the recent Society for Creative Anachronism event. Jim made his own authentic costume...

Ed Kreyling's wife Pam dressed in a Tudor dress and hat, in authentic 15th–16th century style. Ed made the hat, and Pam made the costume.



Ed Kreyling is "Lord Eric" in a 16th century doublet, shirt and English merchant's hat, and he holds a cavalier hat—all made to be authentic to the period.

office dedicated to research into the use and construction of utilitarian articles of the Middle Ages.

RICK MOWREY (SPS) has not yet developed a persona, except that he wishes to be a late period 14th–16th century Spaniard. Rick is also a member of the Masters of the Blade and is Deputy Seneschal (vice president) of the local SCA chapter, named the Shire of Brineside Moor.

MIKE ANDREOTTA (Telemetry Tech Writer) has just become interested in the SCA and the April event was his first SCA event.

ED KREYLING (SPS) and his wife have been members of the SCA since 1973. Ed's persona is a 9th century Viking Outlaw/Sea Raider — Lord Eric of Telemark. He holds an award of Arms from the SCA for his recruiting and research efforts over the years, so he is allowed to use the title "Lord" in any SCA context. Such awards are given for continued service to the SCA and hold some importance to the bearers.

Ed is now developing a 16th century German character, and Ed's wife, Pam, is Lady Brigit. Ed is also a member of the Masters of the Blade and Seneschal (President) of the Shire of Brineside Moor. The group meets the third Wednesday of each month at Ed's home, and would welcome your inquiries — 953–4863.

Wouldn't your history teacher love this?

### **CONGRATULATIONS!**

RICHARD PUTT (SPS) and his wife Carol announce the arrival of their son, Jeremy Edward, on March 23. He weighed 8 lb. 8 oz. at birth.

MICHAEL J. HEATON (Stockroom) and his wife Sylvia welcomed their baby girl, Angela Rose, on April 8. She weighed in at 7 lb. 15 oz.

JERRY SAHAGIAN (Drafting) married Liz Steiner on April 11 in a church wedding in Sarasota.

# SOFTWARE ACTION TEAM JOINS EMPLOYEE INVOLVEMENT PROGRAM

New Teams are being added to our Employee Involvement Program, as Data Systems employees join in the growing trend toward broader employee participation in the Division's many work activities.

The SOFTWARE ACTION TEAM is one of the newest Employee Involvement Teams. "Our group was formerly part of the Bit—By—Bit Circle, but elected to form our own group to specialize in specific Software Engineering Services," explained Teresa Fannin, Co—Leader of the Software Action Team. Troy Schleicher, Co—Leader of the Software Action Team added that Software Engineering Services are offered to all Product Lines throughout our plant, including Telemetry, Data Recorders, Aviation Recorders, SPS, and other operations.



SOFTWARE ACTION TEAM members are: (seated) Judy Lamp, Troy Schleicher, Jan Ammen, Carol Byrne; (standing) Shirley Buerge, Patricia Holmes, Teresa Fannin, Sherri Wilkinson, and Karen Critchlow. Missing from this photo is Michelle Crawford.

# SCOTT HAVENS RE-ELECTED PRESIDENT OF STC CHAPTER

Scott Havens, of Telemetry Technical Publications, has been re–elected President of the Suncoast Chapter of the Society for Technical Communication (STC). There are 11 active members of the STC currently employed at FWSI in Sarasota.

The STC is the world's largest professional society for technical writers, editors, publications managers, and technical communication educators, with about 11,000 members worldwide. The group is dedicated to advancing the theory and practice of technical communication. The local Chapter serves about 70 members thorughout the Southwest Florida region.

The Chapter's next meeting is May 12 at the Lincoln Hotel, Tampa. This joint meeting with the Association of Information Systems Professionals will hear a speaker from the FBI on the subject of Computer Crime. Please call Scott Havens, Ext. 6717, for more information.

## FIFTIES DAY CELEBRATION TO TAKE PLACE ON JUNE 3

Fifties Day is coming on June 3.

Wednesday, June 3, is the date for employees to dress up in the style of the 1950's to celebrate the Division's move to Sarasota 30 years ago.

Ladies, get out your saddle shoes, and poodle skirts. Men, slick back your D.A. hair style, and women can bring back the pony tail! Listen to Elvis and the other top tunes of the '50's and '60's, played by Disk Jockey Ron Snavely and his fabulous record collection, in the Cafeteria during lunch breaks.

Prizes? You bet. Two first prizes will be awarded for the most authentic male and female costumes (\$100 U.S. Savings Bonds). The second place runner—up will each walk off with a \$50 U.S. Savings Bond. Judging will take place during lunch breaks in the Cafeteria.

Outside, on the north side of our building, there will be a display of vintage autos by Truly Nolen. Volunteers will be serving free popcorn, fresh roasted peanuts and soft drinks to employees, under a tent, for the Big Fifties Day.

Sound like fun? It will be, if you join in and celebrate our Division's Thirty Years of Progress in Sarasota --1957-1987.

Members of the 30—Year Internal Activities Committee who are organizing this fun event are Ron Basham, Dot Berner, Elaine Ellis, Chairperson Freddie Masse, and Carol Waters. Additional volunteers are needed to help serve popcorn, peanuts and soft drinks. Please call any member of the Committee if you would like to help with this event.

# CREDIT UNION OFFERING NEW CAR BUYER SERVICE

Thinking about a new car, small truck or van? A new service in being offered by the Fairchild Sarasota Credit Union for members who are considering buying a new car.

The Members Buying Service offers members the opportunity to buy the vehicle you select, at a discount, through many automobile dealerships in the Tampa-Clearwater-Sarasota area.

This service will save members money and also take away the hassle of new car shopping, according to Credit Union board members Don Parker and Chris Hopkins. For details call Don at Ext. 5561, or Chris at 5572.

## **CONGRATULATIONS!**

CHERYL NEWMAN (Telemetry Assembly) became Mrs. Paul D. Martin, Jr. on April 20 in a wedding ceremony in the Court House courtyard garden in Sarasota.

# TRACEY HARDY RECEIVES 30-YEAR SERVICE AWARD

Tracey Hardy, of Production Control, celebrated her 30th service anniversary with our Division on March 4. Tracey, who is making a good recovery from surgery, was congratulated and received her 30—year pin and plaque from Gary Petersen, Shirley Smith and Rick Greenawalt recently when they visited her at her home in Bradenton.



Shirley Smith, Tracey Hardy and Gary Petersen observed Tracey's 30th service anniversary at her home recently.

### **ANNIVERSARY GREETINGS!**

Celebrating major service anniversaries during April are eight employees who are marking major milestones ranging from 5 years to 30 years. A special tip of the hat to Nevel Christie and Randy Mitchell, observing 30 years of service, and Lonnie Gunter whose 25th service anniversary occurred this month. Congratulations to this happy group!



Nevel Christie (30 years), Helen Duthe (10 years), Richard Veigel (10), Della Presley (15), Lonnie Gunter (25), Arlene Klinebriel (10) and Charlie Morina (5 years). Missing from this photo is Randy Mitchell who completed 30 years of service on April 15.

### A CORRECTION

## NEW WAVE SOLDER SYSTEM IS NOW IN OPERATION

A new state—of—the—art wave solder system was recently installed in our Printed Wiring Assembly area. The improved system offers us many advantages, including labor savings, higher quality products, and significant improvements in the area of environmental protection.

The photos which accompanied the article in the March issue of PULSE were accidentally reversed. Here are photos with the correct captions - we hope! Our apologies to

TOTAL CONTRACTOR OF THE PARTY O

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 pretrimmer station as Printed Wiring Assemblies are processed through the new Wave Solder System.

Jean Wilson, Cheryl Mnick and Ronnie Sumner for the mixup.

"As with any new, complex system, there are initial 'bugs' to be worked out, and we'd like to commend the Operators and other employees for their patience and cooperation," said Tony Reali, of Manufacturing Engineering. A small task force is meeting weekly to resolve the remaining problems. This activity is expected to take several more weeks to complete.



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.

