



FAIRCHILD WESTON

Schlumberger

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

VOL. V, NO. 6

JUNE, 1983

SCHLUMBERGER SCHOLARSHIPS AWARDED TO FOUR STUDENTS

Four happy young high school graduates expressed surprise and pleasure at learning they were selected to receive Conrad and Marcel Schlumberger Scholarships. Their parents beamed, and many Data Systems Division employees share in the parents' feeling of pride, since these are the first Schlumberger Scholarships to be awarded to children of employees at our facility.

The Scholarship winners are: Douglas Bechtold, April Moninger, Claudia Napfel, and Richard Weller.

Schlumberger Scholarships (currently a minimum of \$1000 a year) are based on the applicant's high school scholastic record, character, qualities of leadership, seriousness of purpose, results of aptitude tests, and financial need. The Conrad and Marcel Schlumberger Scholarship Committee, in Houston, selects the Scholarship winners.

Applicants must be in their senior year of high school, or comparable preparatory school, and must be entering college for the first time as a freshman or under advanced placement. The Scholarships are renewable for a total of four consecutive academic years. To qualify for Scholarship renewal, the student must have the College Registrar forward an official copy of the recipient's grades or transcript to the Scholarship Committee.

General guidelines to apply for the Conrad and Marcel Schlumberger Scholarships require that the applicant be a son or daughter of an employee (or retired employee), and that the parent will have completed at least five years of continuous service prior to the time the applicant intends to enter college.

A booklet describing the procedure for applying for the Schlumberger Scholarships is available through Personnel. Employees are urged to encourage their children to apply, if they are eligible.

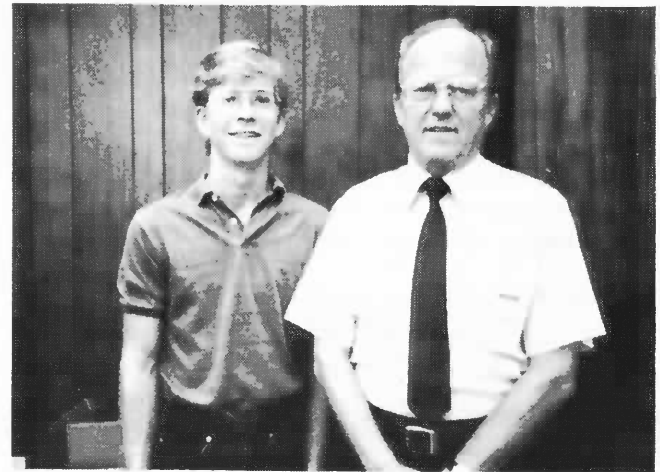
DOUGLAS BECHTOLD

"I felt proud to be chosen by Schlumberger as a scholarship recipient," said Douglas Bechtold. He is the son of Avis and Royal Bechtold. (Royal is in Contracts.)

A graduate of Sarasota High School, Doug won Pride awards in Math, Science and English. He ranked 18th in a

class of 564. He has played on his high school golf team for three years, and also enjoys fishing.

Doug will attend the University of Florida, Gainesville, where he plans to work toward a degree in computer science.



Doug Bechtold with his Dad, Royal Bechtold

APRIL MONINGER

"I was very surprised and pleased to be awarded such a fine scholarship," said April Moninger. April is the daughter of Loi and Mike Moninger. She was graduated from Bayshore High School, Bradenton, on June 7. (Mike Moninger is in Manufacturing Engineering.) (Cont'd on Page 2)



April Moninger and Mike Moninger.

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SCHLUMBERGER SCHOLARSHIPS AWARDED (Cont'd from Page 1)

In high school April Moninger achieved Advanced Placement (college level classes) in Biology, English, Spanish, and American History. She was on the honor roll and Dean's List, and was graduated with honors, among the top 10% of her class. Her achievements include Most Outstanding Spanish Club member (1981-82) and highest honors at State Spanish Conference for the last two years in impromptu speech, declamation and student play. She has tutored several students in Spanish.

Her interests include reading, photography, cooking, sewing, boating, canoeing, and swimming. April has been involved in Bible studies since she was five years old.

After her initial two years at Manatee Junior College, April hopes to earn her Bachelor's degree from the University of South Florida in languages and history. Her goal is to do missionary work or teaching.

CLAUDIA NAPFEL

"I was extremely happy and honored that I was one of the few that were chosen," Claudia Napfel said when asked about her reaction to the news of winning a Schlumberger Scholarship.

Claudia is the daughter of Lisa and Hans Napfel, and was graduated from Riverview High School on June 2. (Hans Napfel is in Aviation Recorders Engineering).



Hans Napfel and daughter Claudia Napfel, one of our Schlumberger Scholarship winners.

Her activities and honors include varsity tennis team, National Honor Society, Computer Club President, Inter-Club Council Vice President, Pride awards in Math and English, and winner of five blue ribbons in the New York State School Music Association contest. She plays piano, sax and clarinet.

Claudia was graduated with high honors, and was on the Highest Honors Roll all four quarters. She enjoys tennis,

waterskiing, traveling, and particularly playing the piano and saxophone. She has worked as a hospital volunteer, waitress at a retirement home, and in an ice cream shop.

Her plans are to attend Tufts University in Boston, where she will major in bio-chemistry, and to work in the medical field (preferably research) after getting a Master's degree.

RICHARD WELLER

"It was a very happy surprise," is the way Richard Weller described his reaction to the news about winning a Schlumberger Scholarship. Rick is the son of Lyla and Paul Weller. (Paul Weller is in Field Service Technical Support.)



Paul Weller and Schlumberger Scholarship winner Richard Weller.

At Cardinal Mooney High School, Rick was on the honor roll each of all eight semesters. He won a Phi Beta Kappa certificate of commendation, and is interested in sports, music, computers and photography. Rick's part-time jobs keep him busy.

He plans to attend Manatee Junior College, followed by an additional two years at a university. His goal is to achieve a degree in computer systems and pursue a career in that field.

CONGRATULATIONS!

TINA HAYES (Business Systems Computer Operations) became Mrs. Greg Buss on June 11 in a Sarasota church wedding.

BERENICE HENDERSON (Telemetry Administration) captured a First Place blue ribbon for "The Key Page" — a newsletter she produces for the Sara-Keys Chapter of Professional Secretaries International. Berenice has been Editor of the monthly four-page newsletter for the 1982-83 year, and continues as Editor for 1983-84. The award was made at the 1983 annual Florida Division Meeting of PSI in Tallahassee on May 21. Berenice served as President of the Sara-Keys, Chapter for two years, and is now Recording Secretary for a two-year term.

NEW SOFTWARE PACKAGE FOR 732/SEL INTERFACE

A new software package to be used with the Model 732 Telemetry Computer Interface and the Gould/SEL High-Speed Data Interface has been delivered to the customer, Cubic Corporation, San Diego, California. This software is intended to be the initial unit in the development of an overall telemetry software system, similar to the computer software systems developed for the DEC PDP-11 and VAX machines.

Our hardware (the Model 732) Telemetry Computer Interface) was designed in 1982 to provide interface with the Gould/SEL computers produced by Systems Engineering Laboratories, Ft. Lauderdale. Several Model 732 units have already been delivered to customers. The SEL computers are widely used for simulation and are well suited for real-time applications, such as telemetry data acquisition. Now, with the addition of the software package, the Data Systems Division will have more opportunities to bid on jobs for our telemetry equipment to be combined with the SEL computers, as well as with the customary DEC computer systems.

Kevin Lewis and Marvin Edgeworth produced the new 732-SEL software package. It consists of a driver for the HSD/732 interface, a FORTRAN callable subroutine package, and a Test Program designed to run on an SEL computer using the MPX-32 operating system.

SKIN CANCER SCREENING OFFERED TO EMPLOYEES

On July 22 several physicians are scheduled to be at our plant to offer skin cancer screening. Employees will be able to sign up in advance for this health benefit, at no cost.

Occupational Health Nurse Debbie Graham is coordinating this free service with the Sarasota Chapter of the American Cancer Society. The skin cancer screening is part of our Wellness Program, to aid employees in staying healthy. Sign-up forms and more information will be distributed to all employees.

"During the summer season, when we are boating, golfing, swimming, sun bathing, and enjoying outdoor activities, we all need to protect ourselves from the sun's rays by using a sun screen," Debbie said.

SAFETY RECORD TOPS 1,450,000 HOURS

Data Systems Division's safety record reached more than 1,450,000 hours without a lost-time accident, as PULSE went to press. That achievement is due to YOUR safety awareness. Safety is a habit that benefits everyone. Your continued safety awareness helps all of us avoid painful injuries. Keep up the good work!

Installation of the software package/732 interface will take place in late July at Cubic in San Diego.



Kevin Lewis and Marvin Edgeworth with Gould/SEL 32/27 computer.

QUALITY CIRCLES START 2ND ROUND OF PRESENTATIONS

Members of our "Thursday Noon Live" Quality Circle have started the second round of Management Presentations. The group presented their cost reduction idea for better utilization of materials for fabricating metal parts on June 17.

The Quality Circle members have analyzed the situation and come up with a method to convert from sheet metal stock to aluminum bar stock. The improved method is expected to eliminate excessive cutting and make for easier handling and less waste in the fabrication of certain metal parts.

Initial estimates indicate there could be an actual savings of over \$16,000 this year, and Quality Circle members are very proud of the project, reports Quality Circle Facilitator Dexter Nash.

Another project described at this Circle's Management Presentation was tack welding versus spot welding. This idea has already been incorporated on the SABRE 80 and 80T chassis weldment at a yearly saving of over \$5,900.

Members of the Thursday Noon Live group are: Bill Burchette, Jim Huffman, Ed Morrow, Mark Stone, Bill Whaley, Becky White, and Circle Leader Eldon Andrews.

"Our initial Management Presentations demonstrated Quality Circle techniques and tools," explains Dexter Nash. "The second round of Management Presentations will give Circle members an opportunity to demonstrate specific cost savings benefits to our Division."

CONGRATULATIONS, GRADUATES -- WE'RE PROUD OF YOU



DOUGLAS BECHTOLD



JANE BYRNE



MICHAEL CLOUSE



MARK CONWAY



ANNA LEE EATON



ROSS HALL

DOUGLAS BECHTOLD, son of Royal Bechtold (Contracts), was graduated from Sarasota High School on June 4. He plans to attend the University of Florida, Gainesville, where he expects to major in computer science. (See story on Schlumberger Scholarships.)

JANE NOEL BYRNE, daughter of Carol Byrne (Word Processing), was among the graduates at Riverview High School on June 2. Jane plans to attend Manatee Junior College.

D. MICHAEL CLOUSE, JR., son of Dave Clouse (Design & Drafting), was awarded his high school diploma at Manatee High's commencement ceremonies on June 7. He plans to attend MJC and pursue a career in business.

MARK CONWAY, son of Lillian Conway (Credit Union), was graduated from Riverview High this month. He has been awarded a scholarship and will attend Huntingdon College, Montgomery, Alabama.

ANNA LEE EATON, daughter of Martha Eaton (Accounts Payable) and Joe Eaton (Metal Finishing), was graduated from Sarasota High School this month. She plans to attend Sarasota Vo-Tech and study to be a medical assistant.

ROSS HALL, son of Charlie Hall (Signal Processing), was a member of the graduating class at Riverview High School's commencement on June 2.

MICHAEL HARBERT, son of Gene Harbert (Systems Engineering), was graduated from Manatee Junior College on May 6. He received Associate Degrees in Architectural and Building Technology, and in Civil Engineering Technology. He is employed by a civil engineering firm in Bradenton.

DAVID W. HEATON, son of Robert L. Heaton, Sr. (Industrial Engineering), was awarded his D.D.S. degree from the University of Illinois this month. He has joined the Air Force and has been assigned to Tyndall Air Force Base, Panama City, Florida, with the rank of Captain.

SHEILA DIANE KELLEY, daughter of Arthur L. Kelley (Marketing), received her B.S. degree in Fashion Merchandising at Florida State University, Tallahassee, in April. Sheila is a Department Manager at Burdine's, Clearwater.

KELLY ANN LOSEE, daughter of Jeanne and John Belt, was graduated from Bayshore High School on June 7. (John Belt is in Telemetry Engineering.) Kelly plans to study cosmetology.

NANCY S. MCCARTHY, daughter of Tom McCarthy (Data Recorders Engineering), was awarded her B.S. degree in Social Work at the Florida State University commencement exercises on April 30. Nancy is now working on her Master's degree in Social Work.

APRIL MONINGER, daughter of Mike Moninger (Manufacturing Engineering), was graduated from Bayshore High School on June 7. She will attend MJC, and plans to go on to the University of South Florida for a degree in languages and history. (See story on Schlumberger Scholarships.)

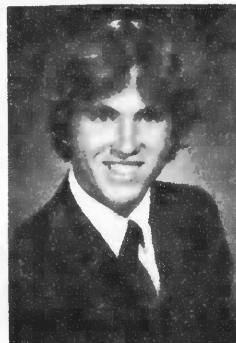
NICHOLAS A. MURIEDAS, son of Zoraida Muriedas (Final Telemetry Assembly), was graduated from Sarasota High School on June 4. He plans to attend Manatee Junior College where he will study business administration.



CLAUDIA NAPFEL



KEVIN ROLFE



ANDY SANDERS



STEVE SCHMITT



TERI SLEEMAN



TONI SLEEMAN

-- CONGRATULATIONS, GRADUATES



MICHAEL HARBERT

SHEILA KELLEY

KELLY LOSEE

NANCY McCARTHY

APRIL MONINGER

NICHOLAS MURIEDAS

CLAUDIA M. NAPFEL, daughter of Hans Napfel (Aviation Recorders Engineering), was a member of the Riverview High School graduating class on June 2. She plans to attend Tufts University, Boston, Mass., to major in bio-chemistry. (See story on Schlumberger Scholarships.)

KEVIN ROLFE, of our Aviation Recorders Test Department, completed the requirements for his Associate of Arts degree in Computer Systems and was awarded his degree at Manatee Junior College's commencement exercises on May 6. Kevin plans to work toward his bachelor's degree. He joined our company in December, 1978.

ANDY SANDERS, son of Pervis Sanders (Test Engineering), received his diploma from Sarasota High School this month. He plans to go on to MJC and the University of Florida.

STEVE SCHMITT, son of Louise Schmitt (Stockroom), received his diploma from Sarasota High School this month. He plans to attend MJC to study accounting and computers.

TERI ANN SLEEMAN, daughter of Eddie Sleeman (Traffic), was a member of the Riverview High graduating class this month. Teri plans to go on a Work Experience Abroad program in January, 1984. Upon her return she plans to continue her education in agriculture.

TONI LYNN SLEEMAN, daughter of Eddie Sleeman (Traffic), received her Associate of Arts degree from Manatee Junior College on May 6. Toni plans to attend the University of Central Florida in the fall, and expects to major in accounting.

VICKY VANDER VLIET, daughter of Ron VanderVliet (Field Service Technical Support), was in the top 10% of her Sarasota High School graduating class on June 4. She enters the University of Florida, Gainesville, this month and plans to major in medical technology.

DI'LANA L. VANN, daughter of Clara Vann (Harness Department), received her high school diploma on June 4 from Sarasota High School. She plans to attend DeVry Institute of Technology in Georgia.

RICHARD ALLEN WELLER, son of Paul Weller (Field Service Technical Support), was graduated from Cardinal Mooney High School on May 27. He will attend Manatee Junior College, and then plans to pursue his bachelor's degree in computer systems. (See story on Schlumberger Scholarships.)

TAPE ENGINEERING CIRCLE SEEKS YOUR SUGGESTIONS

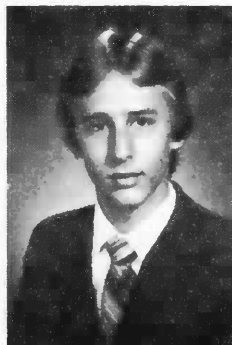
Our Tape Engineering Quality Circle has selected "documentation" as their next Quality Circle project for possible improvement. In order to define the scope of their project, the Tape Engineering Circle has solicited comments from Supervisors and Managers about documentation problems and suggestions for improvement.

The Circle is now seeking additional input from the individuals who are closest to the documentation problems -- YOU. Circle members are looking for your ideas.

Please limit your suggestions to the area of documentation, but not necessarily tape recorders only. For example, your specific concerns may be about drawings, or standards, documentation distribution, ECO's, etc. You are invited to send your suggestions or comments to Ellis Speicher, Mail Stop 50.

The Tape Engineering Circle includes Preston Cox, Bob Hughen, Roy Kitaoka, Wayne Lockwood, Tom McCarthy, Frank McGowan, Bill Miles, Francis Wozniak, and Circle Leader Ellis Speicher.

Your suggestions will help the Circle define the documentation area which could result in improvements for our division while helping productivity and cost savings. Thanks for helping.



VICKY VANDER VLIET

DI'LANA VANN

RICHARD WELLER

EMPLOYEES OBSERVING JUNE SERVICE ANNIVERSARIES



Congratulations to this group of employees marking major service anniversaries of 10 years or five years. Seated, Dolores Lockwood (10 years), Tami Califano (5), Sandra Bacon (5), Pandorel Griggs (5). Standing are Jerry Stubbs, Gary Snyder and John Kerwin, all with 10 years of service; Jack Routsong, Mart Dismukes and Malcolm Unsworth, each completing five years of service.



Happy anniversary to (seated) Susie Carrico (10 years), Elizabeth Horton, Jo Ann Navitsky, and Katherine Farrell, each with five years of service. Standing are more employees completing five years with our company during June: Mark Stuart, Helen Wilson, Patty Brennan, David Kolchakian, Robin Speidel, Peter Radzai, and Gregg Parks.

A BIG JOB — — WELL DONE!

Some 130 employees from throughout our plant took part in the intensive physical inventory count during late May. This is the second year in the history of the division that we have taken a 100% count of On-Hand Stock, Material Review Area, Receiving Inspection, Floor Stock, Finished Goods and OPE (Outside Purchased Equipment) inventories.

The process involves counting, key punching and auditing. It took over 2000 "man hours" to count more than 9,160,000 parts, and write 25,000 inventory tickets. The counting was done in half the time it took last year, due to lower inventory levels, better pre-count procedures, improved stockroom layout, and — — primarily — — an excellent group of volunteer count teams.

General Manager Joe Keller commended the workers and noted, "The inventory went smoothly and did not cause any major disruption of service to our customers."



A CENTURY OF SERVICE -- These five employees observed significant service milestones during June for a grand total of 100 years of service. Standing are Don Parker (30 years); Simon Ford and Paul Weller, completing 15 years of service each. Seated are Edie Himes and Polly Smith, both with 20 years of service this month.



Mike Hutchinson (at left) is observing his tenth service anniversary with our company during June.

LOCAL APICS CHAPTER IS BEING ESTABLISHED

A local chapter of the American Production and Inventory Control Society is being formed as a result of interest expressed by representatives of companies in the Bradenton-Sarasota area. The initial meeting was held at Electro Corp on June 2.

Representatives from Fairchild Weston included Karen Bailey, Val Fordham, Ray Joseph, John Kerwin, Marie Valence and Carol Waters. Other companies represented were Eaton Corp., Teleflex, Electro Corp., Com-Dev, and Miller Trailer. Mark Birenbaum, President of the Florida West Coast Chapter of APICS, attended the meeting and provided advice about forming an APICS chapter.

Officers of the organizing committee are: Chairman Dick DiSammartino, Electro Corp; Secretary John Kerwin, Fairchild Weston, and Treasurer Bob Smith, of Electro Corp. Ray Joseph volunteered for the publicity committee.

Many of our employees in Production Control, Stockroom and Purchasing have participated in APICS seminars and are members of the organization. Interested employees can get additional information from Ray Joseph or John Kerwin.

ADVANCED NEW MONITORING SYSTEM DELIVERED TO NUCLEAR POWER PLANT



The giant Washington Public Power Supply Service, Nuclear Plant #2, at Hanover Reservation outside of Richland, Washington. This WPPSS nuclear power plant is approximately 95% complete.

A major Data Systems Division telemetry system successfully completed on-site acceptance testing at the Washington Public Power Supply System nuclear power plant in Richland, Washington, during May. The system is valued at over \$2 million.

On hand for the test and final acceptance of the system were Ron Spadoni and Gary Snyder. This nuclear power plant project represented a new area of business for our Division and involved some innovative hardware and software designs, according to Jack Snider, Section Manager of our Telemetry Hardware Group.

Our system provides the "front end" of an Emergency Response System for the nuclear reactor currently under construction. The system, known as the Transient Data Acquisition System (TDAS), monitors the operation of the plant and provides both pre-event and post-event data, should an emergency situation occur.

Included in the equipment which we provided are 750 high reliability, earthquake-qualified isolation amplifiers which were designed by Dick Vorce, of Systems Engineering. Dick was also responsible for the remote multiplexer units which collect data from the isolators and transmit it via fiber optic communication links to the Central Control Unit.

The Central Control Unit (CCU) consists of a Data Merger/Selector, a special Digital-to-Analog Converter unit, two SABRE V Data Recorders with HDDR (high density digital recording) capability and a DEC PDP-11/44 computer system. The Data Merger/Selector (DMS) receives data from twenty remote units and merges it into one data set with unique tags applied to identify each sample word. Data

is then sampled and distributed to various output ports for display or further processing. The DMS was designed by Graham Hildebrand and David Payne.

The two SABRE V Recorders are used in case of an emergency to provide a continuing record of all data channels which are being monitored. They are activated automatically whenever an event is detected by the special limit-checking software. Recording continues until the operator determines that the emergency is concluded. An automatic tape-swapping feature starts the second Recorder just prior to the end of tape on unit one, to assure that no data is lost.

Special software for TDAS was developed by Bob Robbins, Kathy Bossert and Ron Spadoni. Its functions include DMS setup and control, data acquisition, data logging, limit checking, and data routing. The data routing function distributes data to DACs, analog tape units, and the host Central Processing Unit.

In addition to those individuals already mentioned, the Project Team included Gary Snyder (system integration), Bill Cox (DAC unit design), and Technicians Gene Harbert, Russ Phillips, Claude Smith, and Don Worthington. Fred Bertram performed system training, and Jack Snider was Program Manager. There was also substantial effort by other employees and departments from all over Data Systems Division.

"I believe the many individuals who worked on this project should all be very proud of the effort," commented Jon Brown, Manager of Telemetry Systems.

INTRODUCING THE EMPLOYEES IN QUALITY SERVICES

Quality Services consists of three parts involving a variety of activities: Configuration Control, which governs general documentation procedures; Engineering Change Orders (ECO's); and the various Procedural Manuals used throughout the facility.

The Engineering Document Center (EDC) records, microfilms, stores, retrieves, and re-stores all controlled documents placed under its jurisdiction. EDC also performs computer on-line maintenance of the AMAPS Item Master File (IMF) and Bill of Materials (BMS) Systems.

The Product Assurance Control Center (PACC) is responsible for making and distributing, throughout the plant, controlled copies of the documents kept in EDC. Completed operation sheets -- required to be kept for traceability purposes, especially by most Government contractors -- are returned and filed in PACC, plus hard copies of MIL Standards and Specifications.

EDC and PACC's average monthly volume includes: running over 61,900 copies; processing 150 ECO's, 335 record changes, 58 Engineering Releases, and 866 documents.



Terri Workman is shown recording Engineering drawings. At right is Quality Services Supervisor Ron Basham.



Barb Dietz is pictured doing data entry at the computer terminal, inputting AMAPS information about parts lists.



Joan Brothers at microfilm printer. The small, microfilm negative can produce a large print of an Engineering drawing, as the microfilm printer transfers the image from film to paper.



Patty Brennan is shown running copies of drawings at Xerox copier. In background is Ozalid print machine which copies large-sized drawings.

WOMEN'S SOFTBALL TEAM OFF TO A GOOD START

Our Fairchild Weston women's softball team has started competition in the City Softball League. Manager/Coach is Rick Mitchell.

The team consists of Captain Kathy Lowe, Karen Bologna, Tamy Califano, Evelyn Christian, Brenda Cunnien, Christie Forth, Jill and Joy Hattaway, Peggy Huestis, Betty Huffman, Anita Johnson, Cathy Landacre, Jacque Matthews, Marci Morrow, Becky Walser, Kris Weaver, Joyce Williams, and substitutes Debbie Graham and Linda McKinney.

The team got off to a great start by winning its first game 13-7. Games are scheduled on Monday and Wednesday evenings through August, at the 12th Street complex.