



**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. 8

AUGUST, 1983

## PLANT RENOVATION INCLUDES MANY IMPROVEMENTS

During the next six months, our Manufacturing sections will undergo a variety of changes to improve the flow of work and incorporate new technical changes. Improved lighting, renovations, changes in locations, painting and equipment updating will also improve the working environment and enhance the general appearance of the plant.

In addition to the currently planned changes for the Manufacturing areas, plans are under consideration for improvements in the Administration and Engineering areas later in 1984.

"Because of changes in our product lines, the improvements in technology, and competitive business pressures, it is prudent for us to review plant layout and productivity continuously," said Malcolm Unsworth, Director of Operations. Studies by Manufacturing Engineering and Plant Engineering contributed toward the master plan for the Production renovations.

Employees directly involved in the changes are being informed in advance by Supervisors. The overall plan includes the following changes:

- Overhead lights in Manufacturing will be lowered for improved lighting effectiveness, and colored skirts added to each light to reduce glare and improve the appearance.
- Printed Wiring Assembly area, Harness, Magnetics and Wire Wrap sections will be moved into the Telemetry Assembly and Test areas. The PWA layout will be changed in order to produce an assembled printed circuit board in five days.
- Four more Ragen component insertion machines will be added. A robotic spot masking machine and other automated equipment additions to improve productivity will be introduced late 1983 and early 1984.
- The Harness area will be disbanded as a group, but moved into the Instrumentation and Equipment Recorder Final Assembly areas. Employees will be placed in suitable similar positions.

(Cont'd on Page 2)

## HERE'S ANNIE — A FRIEND WHEN YOU REALLY NEED ONE!

Introducing "Anatomic Annie" -- one of the best friends you'll ever have. Annie is new at Data Systems Division. She is the anatomical dummy to be used in CPR training classes to be given here. (CPR stands for Cardio-Pulmonary Resuscitation.)



*Anatomic Annie and Nurse Debbie Graham look forward to CPR classes for employees.*

The Company's investment in Anatomic Annie will help support an in-house CPR training program. The program was recommended by our Safety Committee.

This life-saving training can help employees and their families during life-threatening emergencies. The instruction program will include emergency care of the choking

(Cont'd on Page 2)

## NASA-MSFC ORDERS ANOTHER TELEMETRY/COMPUTER SYSTEM

A new order for a Telemetry/Computer system has been received from NASA Marshall Space Flight Center, Huntsville, Alabama. The contract is valued at over \$400,000, and is an addition to an earlier Telemetry-VAX system delivered to NASA-MSFC. The system is for the Space Shuttle program. Paul Taylor has system responsibility, and Vic Boucher has been assigned to the project. Jim Clements is the Salesman on this order.

**An Equal Opportunity Employer M/F/H/V**

## PLANT RENOVATION INCLUDES MANY IMPROVEMENTS

(Cont'd from Page 1)

- The Magnetics area will be reduced, as the trend is toward buying transformers rather than making them. Employees will be placed in other suitable positions. There are no plans for any reduction of personnel as the result of these revisions.
- Telemetry Assembly and Test areas will be consolidated with improvements made to dedicated test stations by removing much of the outdated equipment and introducing more Automatic Test Equipment (ATE) and improving tooling used for Telemetry Assembly.
- In the Instrumentation Recorders Assembly area, dedicated assembly work benches have been installed for the Model 9, 80, 80-T, 10 and 12, to improve product flow. Special pick carts for each model are being designed and are expected to be in operation during Quarter 4, 1983, and Quarter 1, 1984. Each assembly bench will be configured in a manner similar to Aviation Recorders.
- The Recorders Test Room is being modified to accommodate further ATE and the CVR and DFR test stations are being rearranged to improve the Technician-machine interface.
- The Sheet Metal area, Machine Shop, Plating, Paint Shop and Silk Screening areas will be reorganized during Quarter 4.
- Other changes will take place in early 1984 in the Stockroom, Shipping/Receiving, Materials & Processes Lab, and Printed Wiring Board Fabrication areas.
- Later in 1984 improvements in the Administration and Engineering areas will be identified.

## FALL CLASSES START FOR IN-HOUSE COURSES

Our latest series of in-house courses, taught by MJC faculty members, started on August 22. The Fall semester classes include Business Math, BASIC Programming, Management and Organization, and Microprocessing Systems. Some 89 employees are currently enrolled.

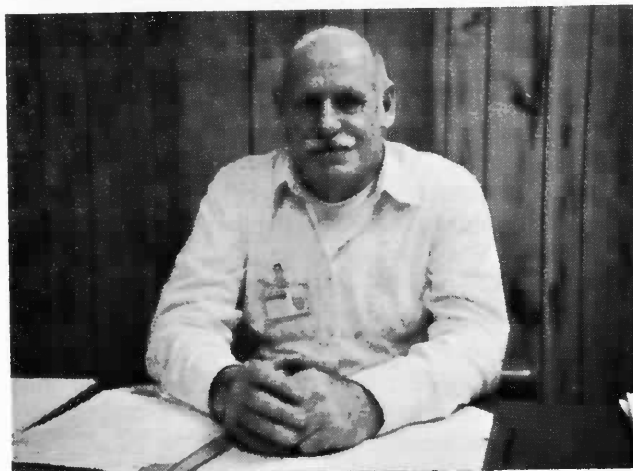
Over 560 employees have enrolled in these in-house college level courses since the company first offered the classes in the Fall of 1979. This educational benefit is available to all employees. The company pays all costs involved.

## EVERETT LAYTON JOINS OUR LIST OF RETIREES

Everett Layton, of Plant Maintenance, rounds out 23 years of service this month and has elected to begin early retirement effective September 2. After many years in maintenance duties in our plant, Everett moved to the Maintenance Supplies area where he ordered supplies and kept them flowing as they were needed during the past five years.

"I have lots of projects lined up at home -- painting the house, inside and out, and closing in the carport to make a hobby shop where I can putter around," he said. "Later my wife Eloise and I will do some traveling, and probably will take a cruise to the Bahamas. I also enjoy fresh water fishing, and will brush up on my bowling."

What will he miss most? "Probably getting up early to come to work, and working with so many nice people around here," Everett said.



EVERETT LAYTON

## HERE'S ANNIE — A FRIEND WHEN YOU REALLY NEED ONE!

(Cont'd from Page 1)

victim, the victim who is not breathing, and the victim whose heart has stopped beating. Techniques will be taught to save the lives of adults as well as children and infants. Debbie Graham, our Occupational Health Nurse, is a certified CPR instructor.

Our initial CPR class will be taught to the members of the Safety Committee. Subsequently training classes will be offered to Supervisors, and then the training will be open to registration by interested employees. The classes will consist of three separate 2 ½ hour sessions.

Red Cross Certification Cards are awarded upon satisfactory completion of the course, and certification must be renewed on a yearly basis. This opportunity for CPR training will aid employees to be better prepared for emergencies at work, at home, or in the community...thanks to Annie, and our company-sponsored safety awareness program.



## **NEW SAFETY RECORD IS IN THE MAKING**

*Congratulations on an outstanding record. We have reached over 1,780,600 hours without a lost-time accident, thanks to YOUR safety awareness.*

*OUR GOAL IS 2,000,000 HOURS. CAN WE MAKE IT?*



## **FAA CONTRACT AWARDED FOR WIND SHEAR STUDY**

Fairchild Weston Systems' Data Systems Division has been awarded a contract by the Federal Aviation Administration to modify the Low Level Wind Shear system at the New Orleans airport. The contract is valued at over \$345,000.

The FAA has been directed to pursue wind shear studies by Congressional mandate, following the investigation of the aircraft crash at New Orleans in 1982.

The FAA contract calls for Data Systems Division to add additional boundary stations and expand the master station in order to obtain more data concerning wind shears in the New Orleans airport area. The present five boundary remotes will be increased to 10, thereby doubling the number of sensors in the wind shear alert system in the peripheral area. Changes will also be made to the master station to make it a bigger and more powerful computer for handling the required computations of the expanded system.

The expanded LLWS system will permit the FAA to collect all raw data and store it so that they will have a record of wind conditions around the airport, along with all the wind shears that may have occurred at any time, 24 hours a day, seven days a week for a whole year. The data will then be sent to the FAA Technical Center for further analysis.

After evaluation, the data will help the FAA determine the proper course of action and possible reconfiguration for the existing 58 wind shear systems and the FAA's future procurement of 51 additional wind shear systems.

The Data System Division will provide technical support as needed for two years.

Walt Knopik is Project Engineer and Marvin Edgeworth has software responsibility for this contract.

## **COMPUTER ROOM REMODELED**

Remodeling of the Business Systems Computer Room in the Administration section was completed recently by our Plant Maintenance and Engineering personnel. The primary reason for the improvements was to resolve security and safety problems that have existed for some time, said Bob Heaton, Jr., Manager of Computer Operations. The renovations have also made the room more attractive.

Access to the computer room is limited, but a picture window now gives visitors a clear view of the Computer Operations room from the data entry room.



*Sandra Hatcher, Bob Heaton, Jr., and Cliff Stalder can be seen through the Computer Room picture window.*

Our IBM business computer system is currently running on a two-shift basis, seven days a week. Cliff Stalder and Sandra Hatcher are on the day shift, and Tina Buss and Isabel Wetz work the second shift.

"We are very pleased with the remodeling job the Maintenance people have done," Bob said.



*Inside the Computer Room, Tina Buss (at left) and Isabel Wetz.*

## COLORADO OFFERS FUN ON FASO VACATION TRIP

It's summer vacation time for lots of employees. Few reports match the enthusiasm of Joe and Caryl Faso for their Colorado trip during mid-July. Joe reports the way it was:

"We stayed at a Colorado guest ranch, 9000 feet up, near the Arapahoe National Forest. We were on horseback five to six hours a day. We had an overnight horseback/camping trip, participated in the Ranch Gymkhana equestrian competition, and took a four-hour white water rafting trip on the Colorado River.

"Nighttime temperatures were 30 – 40 degrees, and we really enjoyed the fireplace in our lodge. One morning there was an early morning horseback ride and trail breakfast. The second week we toured Colorado by car, and we enjoyed that, too. Some day we'd like to go back in the early fall to see the aspen as they turn gold and bronze," Joe said.

Joe Faso, currently in Aviation Recorders Engineering, completes 25 years of service with our company next month. His wife Caryl was also a longtime employee in our Design and Drafting area.



White water rafting on the Colorado River. Joe and Caryl Faso (third and fourth from right, at top of photo) enjoyed

the excitement while rafting with one foot in the 45-degree water during the four-hour trip.

## SECURITY OFFICE MOVED

Need a parking sticker for your car? Need an answer to a Security question? Do you have a suggestion for improving safety awareness? The persons you need to see or call are now located in Rooms 101-102, near the lobby, in the Administration section of our building.

Matters concerning security and safety should be directed to: Bill Shaw, Ext. 518; Tom Thomas, Ext. 583, and Cheryl Foster, Ext. 233. They can be reached through Mail Stop 13.

## SHOOTING FOR A NEW SAFETY RECORD OF 2,000,000 HOURS!



# QUALITY CIRCLES MARK ONE YEAR OF ACHIEVEMENT

HAPPY BIRTHDAY, QUALITY CIRCLES!

Just one year ago, in August, 1982, our initial seven Quality Circles became a reality here at Data Systems Division in Sarasota.

Now, a year later, we have expanded to 12 active Quality Circles. There are 96 employees directly involved, with even more employees contributing in many ways. These employees and their Circles are pursuing numerous dynamic, cost-savings projects -- finding ways to do our jobs better, improving quality, and working together to make our jobs more effective.

"The decision has been made to expand our Quality Circle Program even more by adding two additional Circles per quarter through 1984," explained Facilitator Dexter Nash.

Here's a summary of our current Circles and the projects they are working on:

REEL PROBLEMS (Recorders Test Area) -- Leader, Phil Ingram.

Project: Reduction of re-work.

THE 7 O'CLOCKERS (Stockroom) -- Leader Bernie Cori.

Project: Vendor kitting of parts.

MS WITS (Standard Product Assembly) -- Leader, Pat Bowers.

Project: ICIP, "I Care Involvement Project"

P.C. CHARGERS (Printed Wiring Card Assembly area) -- Leader, Bob Johnson.

Project: Resolving assembly problems.

THURSDAY NOON LIVE (Fabrication Shop) -- Leader, Eldon Andrews.

Project: Review of methods and operations

FLAMBOYANT NUTS & BOLTS (Machine Shop) -- Leader, Don Stover.

Project: Preventive maintenance.

AVIATION FLYERS (Aviation Recorders Assembly area) -- Leader, Wayne Brinton.

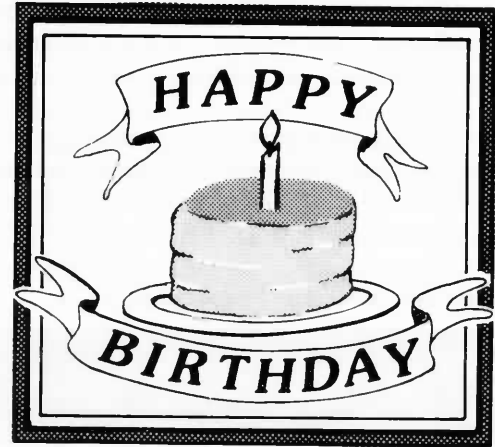
Project: Development of assembly aids.

HOT NUMBERS (Accounts Payable area) -- Leader, Kevin Murphy.

Project: Coordinating matching invoices with receivers.

PENNY PINCHERS (General Accounting area) -- Leader, Beth Jenkins.

Project: Development of a non-BIS shipping form.



T.I.C. (TECHNICIAN IMPROVEMENT COMMITTEE) Standard Products Test area -- Leader, Bill England.

Project: Update of test procedures and fixtures.

TAPE ENGINEERING (Recorders Engineering area) -- Leader, Ellis Speicher.

Project: Documentation accuracy.

F.A.B. (FAIRCHILD ABLE BODIES) Fab Inspection area -- Leader, Dave Walker.

Project: Color code system identifying problems on prints.

## QUALITY CIRCLES EXERT INFLUENCE ON PROJECTS

Quality Circles projects have a way of influencing other projects and departments. Two recent examples illustrate how effective our Quality Circles can be:

PROJECT -- Several months ago the Test Department Circle recommended videotaping training courses for Test Technicians, in order to update and expand the Technicians' product knowledge.

RESULT -- Gene Schroeder (Telemetry Engineering) taught a course on the new Model 8320 Bit Synchronizer during August. The class was videotaped by Vince Supple (of Training) and will be available to train Technicians in the technical aspects of the new product. More videotaping is planned for other new product training.

PROJECT -- Members of the Thursday Noon Live (Sheet Metal Shop) Quality Circle recommended some specific safety measures for improved safety in the Fab Shop.

RESULT -- The Quality Circle members met with the Safety Committee on August 4, and presented the recommendations. Safety Committee members have incorporated the recommendations in their action items.



## LOTS OF MAJOR SERVICE ANNIVERSARIES IN AUGUST

August is a big month for service anniversaries. At the head of the list is Bob Johnson who observed his 40th anniversary with our company on August 14.

In addition, among the accompanying photos, you will find two 25-year service milestones; two 20-year employees; one 15-year anniversary; four ten-year anniversaries, and 17 employees marking five years of service.

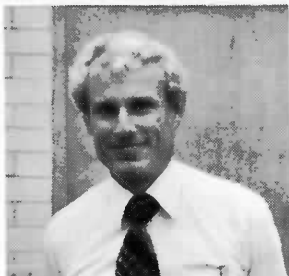
Congratulations to each and every one!



*Congratulations on five years of service to: seated, Peggy Woodruff, Sydney Eaton, and Becky Walser; standing, Fuad Ali, Adam Leonard, Ron Spadoni, Roy Hollifield, Marvin Land, Don Case, and Greg Williams.*

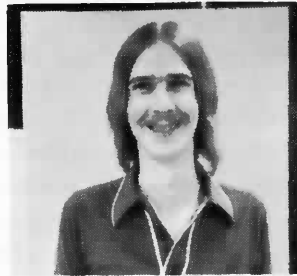


*Happy fifth anniversary to Myron Klineschmidt, Barb Dietz, Judy Lamp, Fred Spreen, and John Young.*



**SCHUMACHER**

*More anniversary greetings to: John Keal (10 years), Gary Schumacher (5 years) and Bob Carlson (5 years).*



**CARLSON**



*Major service anniversaries are being observed by these employees during August. Congratulations to Chuck Jones and John Belt (20 years); Dick Van Deusen, Ernie Powell and Ann Mongillo (10 years); Larry Dunham (25 years); Greg Purdom (15 years) and Pervis Sanders (25 years).*

## CVR PROVIDES INFORMATION FOR CRASH INVESTIGATION

A Fairchild A-100 Cockpit Voice Recorder on board the Air Canada DC-9 which crashed on June 2 has produced excellent quality data for the National Transportation Safety Board investigation, according to a report in Aviation Week & Space Technology. The August 8 article, on page 30, noted:

"DC-9 Voice Recorder Reveals Arcing Sounds

"Washington - National Transportation Safety Board analysis of the cockpit voice recorder on Air Canada's McDonnell Douglas DC-9-30 involved in an inflight lavatory fire that killed 23 passengers June 2 indicates two separate instances of arcing that could be associated with the accident.

"Paul C. Turner, NTSB air safety investigator, said the Fairchild A-100 cockpit voice recorder on flight 979 was damaged by smoke and fire but that the crash-proof enclosure protected the tape and its quality was excellent. The sounds of arcing, he said, were audible on the tape but not necessarily picked up by the cockpit microphone. Crewmembers said that at no time did they ever hear sounds similar to electrical arcing in the cockpit.

"Transcript of the tape will be part of the evidence when the National Transportation Safety Board holds a public hearing on the accident..."

## GOLF TOURNEY COMING

Members of our Golf League are completing regular season play and looking forward to the Golf League Tournament on September 11 at the Country Club of Sarasota, Beneva Road. Final standings, which are very close, will be announced soon.

## CLEMENTS BOOKS NEW 8000-SERIES ORDER

Jim Clements, of our Huntsville, Alabama, office has booked another order for our new 8000-series equipment. SCI, Huntsville, is the customer on this latest order for two Model 8320 Bit Synchronizers. Other 8000-series orders won by Jim were for NASA-Marshall Space Flight Center and General Dynamics/KSC. Congratulations, Jim.

## TECHNICAL TRAINING GIVEN

An in-house training course on the technical fine points of the Model 8320 Bit Synchronizer was taught this month by Gene Schroeder, of Telemetry Engineering. Test Technicians John Brisbin and John Fierstos attended the classes, as did George Emigh, of Technical Writing, and Dick Dungan, of Test Engineering. Vince Supple arranged to videotape the instruction for future use by other technical personnel, as the need arises.

Other technical courses are planned for the near future on the Model 8330 Frame Synchronizer and the Universal Chassis. These sessions will also be videotaped.

Vince Supple and Fred Bertram, of our Training Department, frequently provide technical instruction for our customers -- usually at the customer's site. One recent three-day course was presented by Fred Bertram for NASA contractors at Patrick Air Force Base, August 15-17. This particular course was on the operation and maintenance of our Model 429 Multiplexer Encoder. Our 400-series equipments are being heavily utilized in several recent multi-million dollar orders from NASA.

"This 429 training was videotaped by the customer, and we should be receiving a copy shortly," Vince Supple said.

For information about using these videotaped courses, please call Vince Supple, Ext. 554.

## CONGRATULATIONS!

RAY JOSEPH (Production Control) and his wife Nancy welcomed their daughter Kate Margaret, born on August 3. She weighed in at 7 lb. 9 oz.

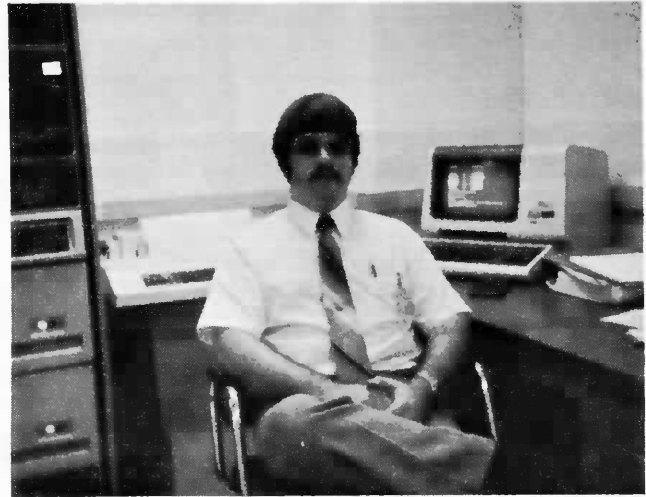
MYRON KLINESCHMIDT (Photo Lab) captured a first place ribbon for his color action photo in Sarasota Vo-Tech's photography classes show. The photo display, including Myron's shot of his tired young son, is scheduled to be shown at the Van Wezel Performing Arts Hall in late October, and has been on display at the Vo-Tech School.

GAIL SALTER (Harness Area) and her husband Glenn are the proud parents of a son, Jason Corkey O'dell Salter, born on August 19, at 6 lb. 14.5 oz.

JEFF NORRIS (Traffic) and his wife Sue have a new daughter, Michelle Ashley, born on August 20. Michelle A. weighed in at 5 lb. 13.5 oz. DON NORRIS, of Design and Drafting, is the baby's grandfather.

## JIM WAYDA IN PRINT

Jim Wayda's article, "Using the RSX-11M Connect to Interrupt Vector Directive," appeared in the July, 1983 issue of THE DEC PROFESSIONAL. His 11-page article deals with interfacing non-DEC peripherals to a DEC RSX-11 System.



*Jim Wayda at Test Engineering computer station.*

THE DEC PROFESSIONAL is a bimonthly publication, circulated to 70,000 DEC users, worldwide. It is not connected with Digital Equipment Corporation.

Jim is a Test Engineer. He was prompted to write the article in response to a piece he saw in THE DEC PROFESSIONAL which told of the difficulty and limitations of trying to use interrupts within a task. Jim set out to prove that it was not so complex as it appeared, and he had an interesting technical exchange with the other author at an RSX Seminar in Los Angeles in June.

Recently Jim has been working on an Automatic Test Equipment (ATE) system for automating testing practices on Data Recorder and Telemetry products. The ATE philosophy will spread to other products as well, as all product lines seek ways to improve productivity and efficiency.

## ***EAT RIGHT -- STAY WELL***

As a continuing part of our Employee Wellness Program, a course on Nutrition and Diet information will be offered by Occupational Health Nurse Debbie Graham.

"Our purpose is to form a group to exchange information and learn facts related to good nutrition, particularly for those employees who have been advised to reduce salt in their diets, lose weight, reduce dietary cholesterol, increase dietary fiber, follow a bland diet, etc.," Debbie said.

An informative and organization meeting will be held on August 31 at 4 p.m. in the Cafeteria for employees who are interested. A program will be set up for the year, and special topics of interest will be planned, Debbie said.

## BOB JOHNSON COMPLETES 40 YEARS OF SERVICE

In August, 1943, a very young man joined Sangamo Electric Company in Springfield, Illinois. Now, forty years later, Bob Johnson can look back over his years of service with our company with some satisfaction.

"Well, it has provided me a living," Bob says, in his own quiet way.

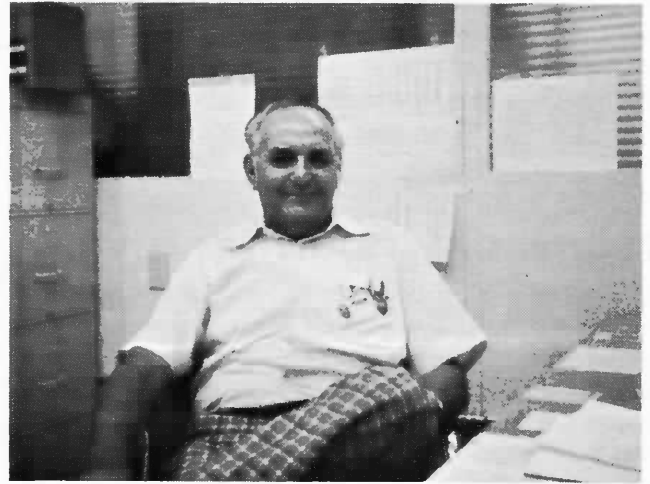
In Springfield, he progressed from material handling to assembly, harness and chassis areas for the Navy recorders, and worked on the production line for Sangamo electric meters. He advanced to supervision in Springfield, and was one of the group of Sangamo Electric personnel who came to Sarasota in 1978 with the Data Recorders product line. Bob is currently Supervisor in our Printed Wiring Assembly area.

Bob and his wife Florence Johnson, of Field Service, are both long-time Sangamo/Fairchild Weston employees. The Johnsons have three daughters, and five grandchildren, all of them up North.

Changes? "Yes, I've seen a few changes, particularly in Sarasota. Some of the technical changes have made everything smaller, thereby enabling us to reduce the size of equipment.

"Component insertion machines, like the new Ragens we are adding, are going to be a help in making our products more competitive in the market. They can assist us to be more precise, faster, and to improve quality," Bob said. "It seems apparent to me that we will have to emphasize efficiency in order to compete and stay in business."

Bob's early years at Sangamo, Springfield, were interrupted by his service in the Navy. "I was on an LST during World



War II. We went down the Mississippi, through the Panama Canal, across the Pacific, and landed at Okinawa," he recalls.

"Florence and the kids have a plan all worked out for the future, when I retire. We can go North in the summer, and the kids can come down here in the winter." Meantime, for recreation, Bob enjoys weekend fishing with friends, and bowling with Florence.

"I've made some good friends and enjoyed working with a lot of nice people over these past forty years," Bob said.

### **MIRROR, MIRROR... WHO'S THE SAFEST?**

Mirrors are being installed at several "blind" corners around the plant to help employees avoid accidental collisions, particularly when using carts to move equipment and supplies. Your Safety Committee urges you to utilize this safety aid.

## GROWTH PLAN RESULTS FOR FIRST HALF ANNOUNCED

Investment performance of the Schlumberger Contributory Investment Growth Plan for the first half of 1983 was announced this month. Employees participate after 12 months of employment. You designate the funds you wish to invest in. The Funds are:

- Fund A -- Fixed Income Investment Fund
- Fund B -- Diversified Fund
- Fund C -- Schlumberger Limited Common Stock Fund
- Pre-Retirement Liquidity Fund

A REMINDER: Your annual statement indicating the dollar value of your Growth Plan account and other benefits is usually distributed in April. Your personal statement of employee benefits also shows the percentages you have elected to invest in Funds A, B, C, of the Growth Plan, for your existing account and for future contributions.

<u>QUARTER ENDING</u>	<u>FUNDA</u>	<u>FUNDB</u>	<u>FUNDC</u>	<u>PRE-RETIREMENT LIQUIDITY FUND</u>
March 31	3.1%	6.5%	(7.3)%	2.8%
June 30	2.7%	6.3%	27.3%	2.3%
September 30				
December 31				
Year-to-Date (Compounded)	5.9%	13.2%	18.0%	5.2%