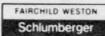




**FAIRCHILD WESTON  
SYSTEMS INC.**



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

VOL. VIII, NO. 9

SEPTEMBER, 1986

## ARMY PLACES ORDER FOR TAPE CASSETTES

Fairchild Weston Data Systems Division has been awarded a contract valued at \$6.7 million for over 13,000 magnetic tape cassettes to be used in Recorders. The U.S. Army Communications Electronics Command, Fort Monmouth, N.J., awarded the contract, which involves deliveries extending into 1989.

"These tape cassettes are to be produced by Enertec, our sister division in France, with Program Management and warranty repairs handled in Sarasota," reports Bill Kessler, of Recorders Program Marketing. "The mag tape cartridge is known as TW-432/UYH, and is used in a computer peripheral recorder designated as AN/UYH-5. These recorders were produced for the U.S. Army by Genisco, under license from Enertec."



Seated, Bill Kessler and Roy Kitaoka; standing, Jack Long and George Prozzo. In foreground is the magnetic tape cassette ordered by the U.S. Army. The tape cartridges are used in computer peripheral recorders, such as the recorder in the photo.

"A lot of people have been involved in helping to track this business opportunity over the past two years," Bill Kessler said. He mentioned Jack Long, George Prozzo, Roy Kitaoka, and representatives of Enertec, including Francois Gauthier, Alan McLaughlin and Joel Sauvalle. Ray Shuford has been named Program Manager for this cassette contract.

"There are always many contributors to these projects, and we'd like to congratulate all of the members of the team," Bill Kessler added.

## FAIRCHILD WESTON RECEIVES INDUSTRY APPRECIATION AWARD

Fairchild Weston Data Systems Division won an award during Florida's Industry Appreciation Week and received recognition from the Florida Department of Commerce and the Sarasota County Committee of One Hundred in a ceremony in Sarasota on September 17.

Representing Fairchild Weston and General Manager R. J. Keller at the presentation ceremony were Ray McPartlin, Director of Operations, and Rick Greenawalt, Director of Personnel. The business reception was held at First Florida Bank, 1800 Second Street, Sarasota.

As a Regional Finalist in the Industry Appreciation Week awards program, Fairchild Weston was honored for its achievements in this area's five-county region. A Florida Department of

(Cont'd on Page 2)

## SURPLUS VAN SOLD TO HIGHEST BIDDER

Ann Stinton, of our Printed Circuit Fabrication area, was the top bidder for a Data Systems Division surplus van which was offered for sale to employees this month. Ann's bid was the highest of six bids submitted by employees for the 1979 Dodge Maxi Van. The customized van was formerly utilized by our Customer Support group in connection with service contracts for our instrumentation on wind turbine projects at various locations.



Ann Stinton's top bid won the surplus 1979 Dodge Maxi Van.

**AN EQUAL OPPORTUNITY EMPLOYER M/F/H/V**

# FAIRCHILD WESTON RECEIVES INDUSTRY APPRECIATION AWARD

(Cont'd from Page 1)

Commerce certificate, signed by Governor Bob Graham and Lt. Governor Wayne Mixson, Secretary of Commerce, was presented to Fairchild Weston as a Regional Finalist in the 1986 Florida Industry Appreciation Program. Robert Williamson, Chief of the Bureau of Industry Development, Florida Department of Commerce, presented the certificate, which was accepted for the company by Rick Greenawalt.

In another award, Dan McLeroy, Chairman of the Sarasota County Committee of One Hundred, presented a plaque which reads:

"Presented with expressed appreciation to Fairchild Weston for their significant contribution to the economic well-being of Sarasota County and in recognition of their achieving regional finalist status as an outstanding Florida industry, presented by Sarasota County Committee of One Hundred, September 17, 1986."

State Senator Bob Johnson addressed a letter of congratulations to General Manager R. J. Keller. He stated, "As Sarasota County's largest, private employer since the 1950's, Fairchild Weston has given our community the benefits of economic stability and job opportunities for newcomers as well as our own young people ... I appreciate the years of civic contributions and leadership that we have come to expect from Fairchild Weston. I thank you especially for the corporate support of the Bi-County Center for Engineering at the University of South Florida..."

Accepting the industry recognition awards on behalf of Fairchild Weston and its employees, Rick Greenawalt stated that the company has always appreciated being part of the Sarasota community during the nearly 30 years that our division has been in Sarasota. In his brief remarks, he mentioned the company's product lines and the job opportunities and economic benefits which Data Systems Division's multimillion dollar business and payroll provide for this part of Florida.

## EMPLOYEES TAKING PART IN LOCAL HERITAGE DAYS

Want to see what frontier life was really like in days gone by? Visit the Second Annual Black Powder Heritage Days celebration October 11-12 at Knight Trail Park, Nokomis, east of I-75. Ed Kreyling, Jess Soto-Mayor, and Greg Williams can fill you in on the activities -- muzzleloading rifles, demonstrations of primitive skills, mountain man competition, and campsite displays.

You'll need directions to find Knight Trail Park, an unspoiled wilderness park. See the notice posted near the Cafeteria.

## SEPTEMBER ANNIVERSARIES TOTAL 175 YEARS OF SERVICE!

September is a big month for service anniversaries at Data Systems Division. Thirteen employees are observing major service milestones ranging from 5 years to 25 years, including one 25-year employee; two 20-year employees; three employees completing 15 years; six 10-year service milestones; and one five-year anniversary. The grand total is 175 years of service. Congratulations!



Counting up some major service milestones are: Joe West and Bill Miles (both 20 years); Doris Roberts (25 yrs.); and Tom Smeed (15 yrs.).



Congratulations on service anniversaries observed by: Larry Stewart (15 yrs.); Eva Perez, Joanne Mixon, Berenice Henderson, Millie Baublitz and Ernestine Ray -- all marking 10 years; and at right, Mark Gilmore, who completed five years of service this month. Missing from this photo is Debbie Beyerlein, who celebrated her 10th service anniversary.



## SAFETY AWARENESS PAYS

Safety awareness and safe practices are your best bet to avoid painful injury. Accidents hurt. Be careful, and be safe!

## NEW 8470 DISCRIMINATORS POPULAR WITH CUSTOMERS

A significant order for a quantity of Model 8470 Tunable Digital Multiplex Discriminators has been received from Patrick Air Force Base, Fla. The contract, valued at about \$1,000,000, is for 23 units of the Model 8470, one of our newest Telemetry products. The order also includes several standard EMR 4000 products.

The Model 8470 is currently on order by various government agencies, but this contract represents the largest order to date for this unit, which features a new design incorporating advanced technology.

The Model 8470 Tunable Digital Multiplex Discriminator accepts FM telemetry data and digitizes it for input into modern computer systems. This one unit, only 10½ inches high, can perform the same functions as an entire rack of equipment (70 inches tall) did in the past.

Jerry Belveal, Program Manager for the 8470 contract, Wyatt Bishop of Sales, Gary Schumacher and Tim Gatton, of Applications Engineering, and Earl Studenwalt of Contract Administration, were active in winning this business for our Division.

Members of the Model 8470 Engineering Team who are contributing to the unit's success include: Hardware Engineering -- Project Engineer Gene Schroeder, Robert Williams, Guy Ellis, Phil Schram and Mark Hemmerlein, along with Technicians Ty Rigdon, Jim Schadl, Jim Hornberger and Joe Dalton. In Software Engineering -- Project Engineer Sue Sutherland, Marvin Edgeworth, Jon Mather, Karl Hahn and Mike Havrilla.

## 66 GOLFERS ENJOY TOURNAMENT

Sixty-six golfers enjoyed the Fairchild Weston Open Golf Tournament at The Meadows in Sarasota on September 13. Taking top honors with a three-way tie were Craig Bolger, Todd Brandehoff and Kevin Fincher who wound up with a low net of 72. After golf, the players got together for the tournament banquet, prizes, and more fun.

## EMPLOYEES TAKE CRUISE FOR A ONE-DAY VACATION

Employees from Data Systems Division boarded the SeaEscape in Tampa for a one-day "cruise to nowhere" on the Gulf of Mexico on September 6. "We had a ball," reports Evelyn Christian. "There were buffets, deck sports, pubs, cabarets, entertainment, dancing and casinos. One lucky winner in our group took the Bingo jackpot of over \$400."

Employees who enjoyed the mini-vacation -- along with family members and friends -- included Evelyn and Edward Christian, Regina Devine, Alwilda Fisher, Elizabeth Horton, Jim and Betty Huffman, Alyene McCoy, Kerry Smith, Teresa Smith and Dewayne Yates.

Another group cruise is planned for November.

## TRAINING CONDUCTED TO MEET MIL SPECS

Special training classes have been conducted for a group of Manufacturing employees who will be working on a Data Systems Division program which calls for meeting stringent military specifications -- MIL-STD-1460.

The soldering classes were conducted by Dave Walker of Quality Assurance. Dave has been certified as an Instructor to DOD Standard 2000.



Dave Walker (seated at left), Phil Luquette, Ernestine Ray and Mary Evans concentrate on the quality required to meet MIL-STD-1460 on the AN/TLQ-17A Program.

This initial group of 19 Assemblers, Inspectors, and Technicians underwent training as specified by the military standard to meet the requirements of the U.S. Army's AN/TLQ-17A Program.

We will be assembling and testing a quantity of power supplies for this program in Sarasota, in cooperation with our sister unit, the Electronic Systems Division, Syosset, N.Y. The FWSI Electronic Systems Division has the prime contract with the U.S. Army for AN/TLQ-17A communications jamming equipment.

We will receive all component parts from Syosset and assemble and test the power supplies to Syosset drawings and specifications. Delivery of the units is scheduled to start in December.

## CONGRATULATIONS!

RICHARD VEIGEL (Tool & Die Shop) and his wife Janet welcomed their new son Joshua Mark on August 22. The young fellow weighed 11 lb. 8 oz. at birth.

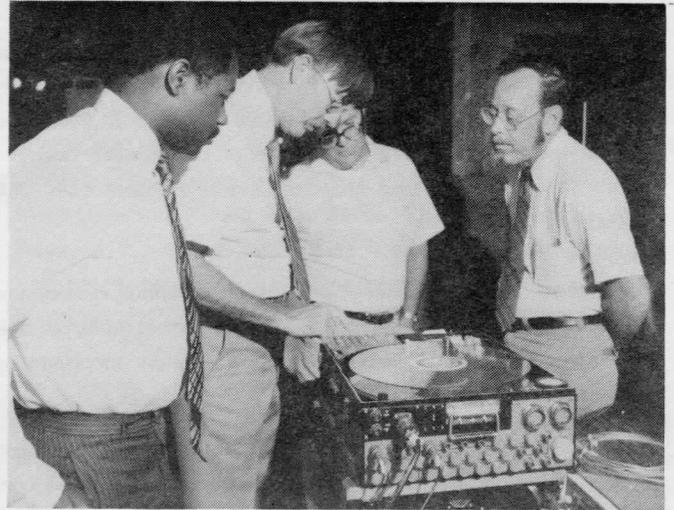
CHRIS LAWSON (Telemetry Engineering) and MARK LAWSON (Metal Fab) announce the birth of their daughter, Morgan Paige, on September 20. She weighed 7 lb. 13 oz. at birth.

# CUSTOMER SUPPORT GROUP MEETS IN SARASOTA

Customer support personnel from Field Offices around the country met in Sarasota during the week of September 15 for training sessions on new equipment and business discussions on a wide range of customer service activities.

Two separate two-day sessions were held, with one half of the Field Service employees in Sarasota on September 15-16, and the other half on hand for the duplicate program on September 18-19.

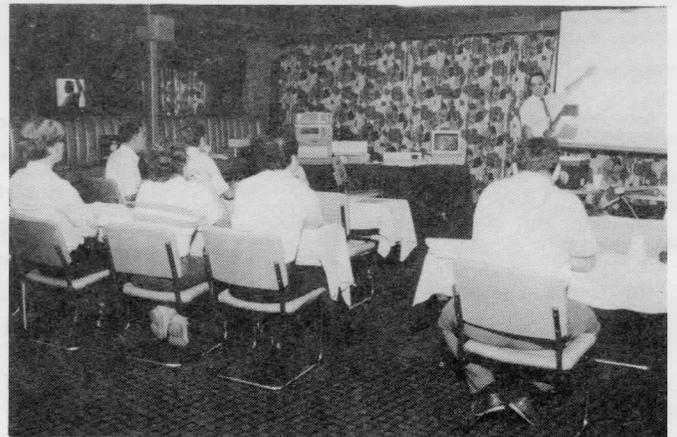
"Because our Customer Support employees are scattered throughout the country at so many different locations, this opportunity to get together is especially valuable for us," said Don Roberts, head of Customer Support.



Mitchell Harris and Wilbur Long (both based in Calif.) and Tom Tonkin (New Mexico) with Jim Ratcliffe (Sarasota) during training session on Model 15 Recorder at the Customer Support annual meeting in Sarasota in September.



Margarida Karahalios going through the setup menus for operation of Model 8385 Display Station with Lyle Head, Steve Vickers, Wally Jones, Marlin Beer and Dave Rice.



Vince Supple explaining the hardware configuration of the Model 8385 Display Station for Paul Fleischer, Dan Rendon, Tom Hayden, Tom Bell, Darrel Forrest and Ron Vick.

## EQUIPMENT ON DISPLAY AT OCTOBER ITC SHOW

Equipment from Data Systems Division will be showcased at the ITC Show in Las Vegas during October. Data Recorders and Telemetry units will be displayed for potential customers at two handsome show booths which were designed and built here by our own talented employees. The booths will be manned by Sales and Marketing personnel.

Telemetry equipment to be shown includes some of our newest units -- the Model 8470 Tunable Digital Multiplex Discriminator; the Acquisition Interface Assembly (AIA) which is a modified Model 8715 Telemetry Multiplex Processing Subsystem (TEMPS), and an enhanced Model 8385 Display Station with a DEC GPX Color Graphics Monitor, with Controller and EMR Graphics software.

Other Telemetry units to be displayed include the 8320 Bit Sync and 8330 PCM Decom driving the 8385 Display Station, some 5000 series equipment, and the 1786 Universal Telemetry Reduction System.

Instrumentation Recorders will be showing the Models 9, 15 and 85 Recorders to potential customers.

At the technical sessions, a paper on the Boeing AIA will be presented. The paper was co-authored by Bill Anderson and Mike O'Brien, of FWSI, and Lee Eccles of Boeing. It is entitled "Data Acquisition System for Aircraft Qualification." Lee Eccles will present the paper.

# CUSTOMER SUPPORT GROUP MEETS IN SARASOTA



Some of the attendees at our Customer Support meetings in Sarasota were: Margarida Karahalios (Sarasota), Paul Fleischer (Calif.), Linda Fledderman (Sarasota), Jim Ratcliffe (Sarasota), Mark Polasek (Calif.), Dan Rendon (Calif.), Bob Clement (Calif.), Don Roberts (Sarasota), Tom Hayden (Calif.), Tom Bell (N.M.),

Darrel Forrest (Calif.), Vince Supple (Sarasota), Bob Petrey (Sarasota), Ron Vick (KSC, Fla.), Rick Phillips (Sarasota), John Palinski (Pa.), Tom Kelly (Wash.), Jerry Stubbs (Sarasota), Al Pisacane (Sarasota), Marlin Beer (Calif.), and Jimmy Matthews (Sarasota).

## IT'S YOUR EMPLOYEE ASSISTANCE PROGRAM

Data Systems Division employees are using our new Employee Assistance Program and are taking advantage of the confidential counseling and referral services which EAP Counselors can offer.

This new employee benefit provides employees and their families with counseling services for personal problems on a confidential basis. The problems may involve marriage and family difficulties, alcohol or drug abuse, personal concerns, financial or legal problems.

Our Employee Assistance Program (EAP) is designed to help employees and their family members when problems occur which can affect the employee's well being and the employee's ability to perform his or her job duties.

Just call 953-1240 for information about the confidential counseling or referral services offered by EAP Sarasota Counselors Ken Kinzie and Holly Burcenski. On Tuesday mornings (8 a.m. to 1 p.m.) an EAP Counselor is in our plant for your convenience in Room 103. You may also call Ext. 5518 for information or an appointment on Tuesday mornings.

Employees are invited to participate in this confidential service which can be of great benefit. The Employee Assistance Program is here to serve you.

For additional information, employees may also call the Personnel Department.

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\* **EMPLOYEE ASSISTANCE PROGRAM** \*  
\*  
\* Call 953-1240 daily \*  
\*  
\* TUES. a.m. - Ext. 5518 \*  
\*  
\* Confidential counseling for \*  
\* employees & their families. \*  
\*  
\* **EAP IS HERE** \*  
\* **TO HELP YOU** \*  
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## SECOND DATA LINK CONTRACT AWARDED

A second contract for an FWSI Data Link ground station, to be used in connection with an Unmanned Air Vehicle (UAV) program, has been awarded Data Systems Division by Teledyne Ryan Aeronautical, San Diego, Calif. This Data Link ground station is to be used on Teledyne's experimental Unmanned Air Vehicle program. The initial portion of the contract is valued at \$118,000.

"In addition to this first portion of the Teledyne UAV Data Link program, there are options in the contract to supply UAV airborne units and more ground station equipment later this year and in 1987," said Richard Painter, Manager, Data Links. Delivery of the initial Teledyne UAV ground station is scheduled for March, 1987.

"The significance of this Teledyne contract is that FWSI Data Link equipment will become the standard for a second company's Unmanned Air Vehicle," he said. "This means that each time either of these companies sells unmanned vehicles, FWSI would receive orders for our UAV Data Links, because of the unique characteristics of each Data Link to each air vehicle."

Data Systems Division's initial Data Link contract involves Boeing's Remotely Piloted Vehicle. The Boeing Data Link contract is valued at approximately \$1,000,000 and consists of three segments: Data Link Ground Station, Radio Transmitter-Receiver, and Signal Processing.

"We are also looking at several other near-term Data Link business opportunities that look very promising," Richard Painter said.

"Members of the Data Link team are to be congratulated for their outstanding efforts in producing a very sophisticated low-cost Data Link that appears to be gaining wide acceptance within the Defense community," he said.

## TWO TECHNICAL PAPERS GIVEN AT FWSI SEMINAR

Representatives from Data Systems Division were scheduled to attend the FWSI Technology Seminar in Garden City, Long Island, N.Y., on September 25. Two Data Systems Division technical papers were on the program. The papers, presented by Dr. Truman Prevatt and Gene Schroeder, are:

"Linear Predictive Filtering for Interference Rejection in Direct Sequence Spread Spectrum Signals," by Dr. Truman Prevatt, of SPS.

"Digital Processing Implementation of a Multiple Channel Frequency Demodulator," co-authored by Gene Schroeder, of Telemetry Product Development, and Joe Lehmann, Senior Staff Engineer.

## FWSI CIRCLE MEMBERS ATTEND IAQC MEETING

A meeting of the Tampa Bay Chapter of the IAQC, hosted by Freddie Masse of Data Systems Division, attracted a large attendance including a number of employees in our Circles program. The group met on September 9 at the Holiday Inn in Bradenton, and heard Tom Petillo, Vice President of Florida Power & Light, talk about their Quality Improvement Program and how it helped FPL earn the Edison Award -- a recognition for being the best investor-owned utility in the industry.

"Mr. Petillo very honestly addressed the pitfalls of teams looking for 'million dollar solutions' and losing sight of the process of problem solving," Freddie Masse said. "He noted that Florida Power & Light is sustaining interest and commitment to the employee improvement philosophy with a major commitment by the company. Their Quality in Daily Work program involves every employee and has become a management system and a way of life."

Data Systems Division employees who attended the IAQC meeting were enthusiastic about the opportunity to exchange information with other Circle members from other companies. Representing our employee involvement teams were: Dorothy Berner, Pat Bowers, Evelyn Christian, Bill England, Rick Englund, John Elliott, Elaine Ellis, Billy Fincher, Roy Gibson, Beverly Gill, Berenice Henderson, Phil Ingram, Pearl Jennings, Rick Laufer, Freddie Masse, Rick Ramos, Beverly Still and Carol Waters.

## CREDIT UNION NEWS

**VACATION LOANS** -- During the month of July and August the Fairchild Sarasota Credit Union implemented a Vacation Loan policy and experienced a large, favorable response from the membership on this idea. The Credit Union Board of Directors may expand this type of loan next year to include June as a "vacation" month.

**CAR & VAN LOANS** -- With the 1987 cars and vans coming into showrooms, and with the declining trend in loan interest rates, the next Directors meeting will re-evaluate the Credit Union's loan interest rates.

**DIVIDEND RATES** -- On the agenda for the next meeting of the Credit Union Board of Directors is a review of the present dividend rate of 6% A.P.R. "We are having a good financial year and the possibility exists of increasing this rate," reports Treasurer Ed Annaratone.

**SUGGESTIONS?** -- The Credit Union is here to serve you. Do you have any suggestions for improvement of service? Drop us a note, or call the Credit Union Office with your ideas!

## U.S. NAVY ORDERS AN/USH-32 RECORDERS

Data Systems Division has been awarded a contract by the U.S. Navy to produce a quantity of AN/USH-32 Acoustic Data Recorders, following the successful first unit preliminary testing program recently completed in-house. The contract is valued at over \$1.3 million and calls for Data Systems to produce 11 Recorders to be delivered over the next 16 months.

"This order is the result of the Division's excellent performance in producing our initial AN/USH-32 Recorder," Program Manager Ray Shuford said.

In 1985 the U.S. Navy awarded Data Systems Division a contract to build Acoustic Data Recorders for the Navy's Anti-Submarine Warfare program. The Recorder was originally designed and built for the Navy by Bell and Howell. The initial phase of our program called for complete verification of an existing machine, provided by the Navy, and building the first unit which was to be subjected to extreme environmental and performance testing.

"After we successfully completed the in-house preliminary first article tests on the Recorder, the unit was shipped to California and then to Syosset, N.Y., for an extensive series of EMI/RFI and environmental tests," Ray Shuford said. Walter Holmes, of Recorders Test, and Luis Sandoval, of Reliability Engineering, are accompanying the Recorder as the unit undergoes these testing procedures.

## PICNIC ACTIVITIES OFFER LOTS OF FUN

Have you sent in your request for Picnic tickets?  
You won't want to miss the fun!

In addition to good food, soft drinks and beer, the variety of activities planned includes volleyball, tug-of-war, horseshoes, diaper derby, toddler trot, Limbo contest, balloon toss, pie toss, Bingo, and probably EARTH BALL!

Youngsters will once again be able to enjoy the carnival game booths and prizes, moon walk, cotton candy, snow cones, and even painted clown faces.

Sign-up sheets for the team events will be posted at a central location near the Cafeteria. Remember to sign up and enjoy!

Save the date -- Saturday, October 18 -- from 12 noon to 5 p.m., at Elks Park, Sarasota.

Please send in your Picnic ticket requests by October 6.  
SEE YOU AT THE PICNIC!

## NOW IS THE TIME... FOR SAVINGS PLAN

Now is the time for you to consider making changes in your participation in the Data Systems Savings Plan.

The Data Systems Savings Plan -- sometimes referred to as the 401(k) Plan, and formerly called the Schlumberger Contributory Investment Growth Plan -- is a way for you to build a nest egg toward your savings or retirement planning. The Savings Plan includes company contributions and your personal (optional) contributions.

To increase or decrease your contributions, or change your funding election for future contributions to the Savings Plan, just pick up a copy of the Savings Plan form from our Benefits Office in Personnel.

You have between September 1 and October 15 to make these changes. The changes take effect as of January 1, 1987.

What changes can you make?

Increase your contribution -- you may contribute between 1% and 10% of your base salary.

Decrease your contribution.

Resume contributions.

Elect how future contributions (by you and by the Company) should be invested: FUND A (Fixed Income Fund); FUND B (Diversified Stock Fund) and FUND C (Schlumberger Stock).

Remember the deadline for your changes -- OCTOBER 15, 1986. All employees who have been with the company for over one year are automatically eligible to participate in the Savings Plan, and employees are notified of their eligibility by our Benefits Office.

## HAPPY BIRTHDAY, CIRCLES!

Coming soon -- the big celebration of our Quality Circle Program's fourth birthday. Twenty Employee Involvement Teams will be kicking off the fifth year of Circles at FWSI on Friday, October 10.

There will be three categories of special recognition:

Circle of Excellence  
Outstanding Project  
Leader of the Year

Facilitator Freddie Masse reports that approximately 200 employees will actively participate in this Circle celebration.

# GETTING TO KNOW OUR NEW IMAGE CIRCLE MEMBERS

Members of the New Image Circle represent the office support staff at Data Systems Division. Here's a brief introduction to this talented group of ladies:

CINDY COLE, of Telemetry Systems Engineering, joined us in 1985. She is a native of Sarasota. She enjoys crafts and making porcelain dolls is her specialty. "Having fun with my 13-year-old son is a favorite pastime," Cindy said. "Right now we are taking a deaf signing class, taught by Hal Roberts."

TERRY CORI, of Telemetry Applications Engineering, has been with us for five years. Terry is the mother of two teenage daughters. She enjoys playing the organ and piano, and would love to do more painting.

ELAINE ELLIS joined FWSI in 1984. She has worked in Telemetry Marketing and currently is in Personnel. She moved to Florida 11 years ago from Long Island, N.Y. Elaine has four children -- two girls and two boys. The elder daughter is a junior at FSU and the elder son a freshman at MCC. Elaine is active in church activities and enjoys music and traveling.

BERENICE HENDERSON, of Personnel, has just celebrated her tenth service anniversary with FWSI. She relocated to Florida from the Long Island school system. In Sarasota, Berenice is active in the Professional Secretaries Association, her church choir, and several local fraternal organizations. Her husband and daughter fill the rest of her time.

CHRIS LAWSON, of Telemetry Engineering, came to Florida from Ohio and has been with FWSI for eight years. Mark and Chris Lawson are celebrating the birth of their new baby daughter, Morgan Paige, born on Sept. 20. Chris enjoys music and drawing. She took part in school choral groups and musicals, and plans to join her church choir very soon. Her "spare" time is devoted to her husband, their young son, and new baby girl.

BABA MARRERO, Quality Assurance Secretary, enjoys picnics at the beach with her husband during summer weekends, and participates in a year-round exercise program at the "Y". "I took a course in picture framing and matting a couple of years ago, and have decorated our home with family portraits," Baba said. She has been at Fairchild for seven years.

BECKY MORRISON, of Telemetry Product Development has been with Fairchild Weston for two years. She is newly certified in SCUBA diving and is planning a diving trip to Cozumel. She enjoys water-related activities, motorcycle and bike riding, reading, cooking, family outings with her three sons, and church activities. "Even though I've been living in Sarasota for ten years, I still miss snowmobiling and autumn in New York," Becky said.



Members of the New Image Circle are pictured with their new "Clerical Support Instruction and Information Manual." Standing, Baba Marrero, Berenice Henderson, Debbie Woolard, Becky Morrison. Seated, Julie Soderquist, Elaine Ellis and Gael Yottey. Missing from this photo are Cindy Cole, Terry Cori and Chris Lawson.

JULIE SODERQUIST, in the General Manager's office, joined us in 1985. She enjoys boating, fishing, working in the yard, and pursuing her hobby of collecting "Depression" glass.

DEBBIE WOOLARD has been with our Division for over eight years, and is currently in the office of the Director of Operations. Debbie enjoys water skiing, boating, racquetball, bowling and golf. She participates in the FWSI golf league and bowling leagues, and has held the post of League Secretary for both sports.

## NEW IMAGE CIRCLE MEMBERS FINISH A MAJOR PROJECT

The New Image Circle, representing Office Support personnel, recently completed a major project. The Office Support Circle's project was aimed at decreasing the amount of time it normally takes for office support personnel to become efficient in a new position, and also provides a reference manual for standard usage in Data Systems Division offices.

The volume is entitled "Clerical Support Instruction and Information Manual." It provides a ready reference source book along with guidelines for procedures, forms, and general "how-to-handle-it" information. The Manual contains organization charts and specific information for the particular Department's use. The Manual will be updated regularly and will benefit our office support personnel and the employees they assist throughout the Division.



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Schumberger

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POST OFFICE BOX 3041  
SARASOTA, FL 33578

**HEALTH LINE**

By **DEBBIE GRAHAM R.N., C.O.H.N.**

## THE "EYES" HAVE IT

**VISION TEST AT FWSI...** Because sight is one of our most precious gifts, and because most eye diseases are not readily evident and take years to develop, regularly scheduled eye examinations should be a part of everyone's preventive health program.

On Thursday, August 28th, the **Sarasota Eye Clinic** provided technicians to do vision tests, plus a glaucoma check, and blood pressure test on any interested employee. They will return again to test those who missed the first test visit, on **September 25th**, and again until all interested employees have been tested. FWSI, as well as the Sarasota Eye Clinic feel that your vision is just that important! Please call Ext. 5559 for an appointment.

The eye is the "windowbox" of our body and reveals diagnostic information about high blood pressure, brain tumors, vascular disorders, diabetes, etc. An eye examination by an ophthalmologist can reveal symptoms of problems before we ourselves are aware of them.

Common problems like cataracts, and glaucoma can rob us of our sight. As we mature, our eyes go through changes; a decrease in visual acuity, decreased ability to accommodate to light, a falling off of lateral vision, and receding clarity. Only a good eye examination can tell us for sure, if we have the normal vision loss of aging, or the symptoms of disease.

### WHO'S WHO?

Terminology can be pretty confusing, particularly when we hear discussions about eye care professionals. Knowing what each eye care professional does, will help us to make intelligent decisions about whom to see for whatever eye care problems we may have.

**OPTICIAN** — This specialist grinds lenses, fits them into frames, and adjusts the frames to the wearer. He does not examine the eyes.

**OPTOMETRIST** — This non-medical practitioner, measures for refractive errors, (irregularities in the size or shape of the eyeball and surface of the cornea) and eye muscles disturbances. In his treatment, the optometrist uses glasses, prisms, and exercise only. Recently Florida passed a law to expand the optometrist's practice. They may now prescribe some very specific drugs for specific diseases. This a limited expansion of their treatment.

**OPHTHALMOLOGIST — (Or Oculist)** — This is a physician, an M.D. who specializes in diagnosis and treatment of defects and diseases of the eye, performing surgery when necessary or prescribing other types of treatment, including glasses.

### SOME MORE DEFINITIONS

**NEAR SIGHTEDNESS** — The shape of the eyeball is too long. This causes the image to fall in front of the retina which make it difficult to see objects at a distance. If you are near-sighted, you have good near vision.

**FAR SIGHTEDNESS** — The eyeball is too short. This causes the image to fall behind the retina and makes it difficult to see objects at close range. If you are far sighted, you have good far vision.

**ASTIGMATISM** — Because of an imperfect curvature of the cornea, objects are not in focus and vision is blurred.

**"PINK EYE"** — This is a contagious virus which usually disappears in a few days, but it's best to check with your doctor. Red eyes, tearing, itching, and discharge of pus-like matter sometimes sticks your eyelids together. Use separate wash cloths and towels, keep your hands away from your eyes, and wash hands frequently to prevent spread.

**STYE** — This is an infection in the eye lid glands which secrete a lubricant for the eyeball. They resemble a pimple, come to a head and they dry. Never squeeze or pick at a sty. Hot, moist compresses may help to clean and clear a sty.

**PRESBYOPIA** — Anyone past 40 will be interested in this. The elasticity of the lens decreases with increasing age. We find ourselves stretching our arms out away from us to enable our eyes to focus on close objects.

**GLAUCOMA** — The leading cause of blindness in adults. This is not an infection, and it is not contagious. It's a condition in which fluid normally produced in the eye builds up to an abnormally high level. It does not drain adequately thus the pressure within the eyeball rises. This increased intra-ocular pressure causes damage to delicate eye structures, and if untreated, it causes blindness.

**CATARACT** — The eyes have a lens (much like a camera) which normally is crystal clear. It bends light rays to help us to see properly. When this lens becomes opaque or clouded, light does not pass through and vision is impaired.

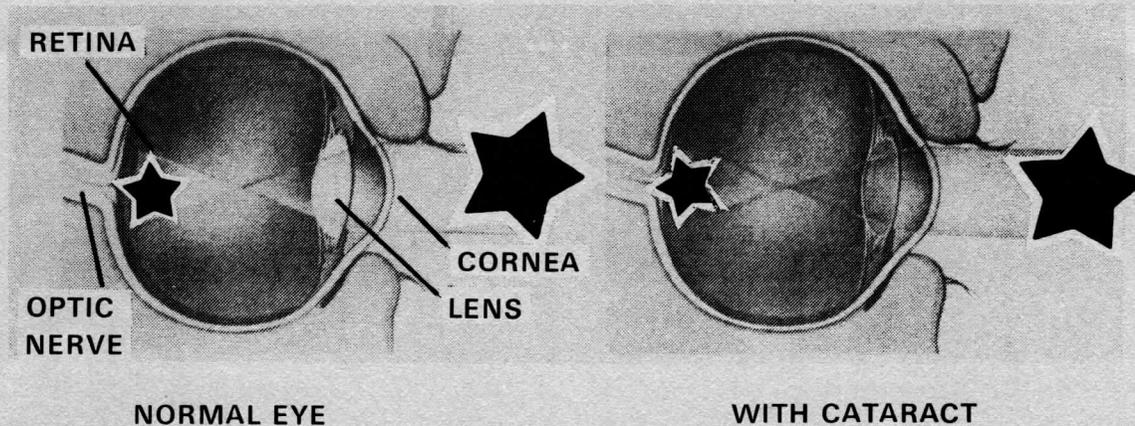
These definitions and terms are the most commonly used and understanding what they mean is a big step in understanding more about the care and protection of your eyesight.

## CATARACTS

Cataracts are a serious threat to vision for millions of people. They can happen to anyone at any age, but like gray hair, they are a normal part of the aging process.

The normally clear lens in the eye becomes cloudy. The

only treatment for cataracts is to remove the clouded lens by surgery. Medicine cannot cure them, reverse them, or prevent them. A cataract is a change within the lens, it is not a growth or film on the surface of the eye and cannot be cleaned or peeled off.



The light passes easily through the clear lens and is focused onto the retina. The retina converts light into electrical impulses and the optic nerve collects and sends these impulses to the brain.

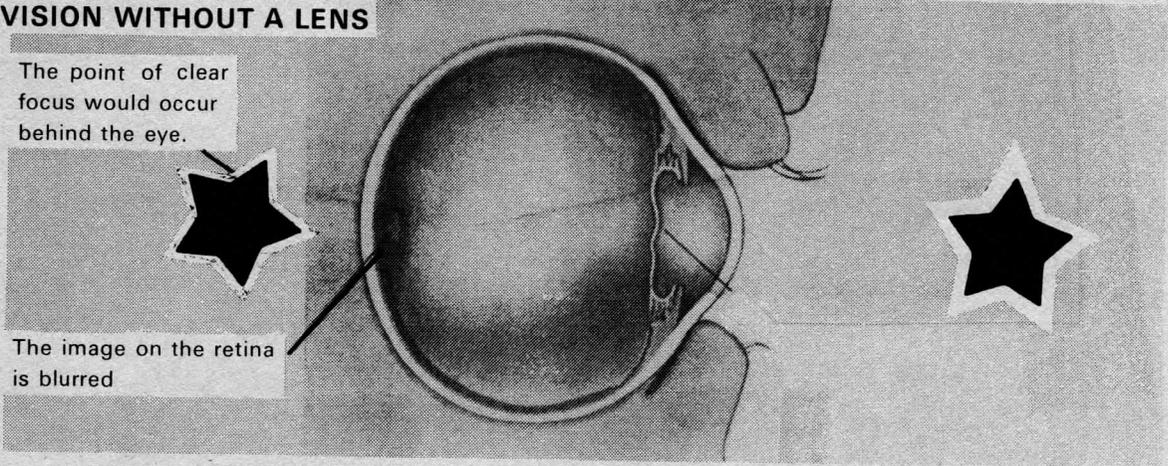
A cloudy lens blocks the light and casts a blurred image onto the retina.

Once the lens has been removed by surgery, light can easily enter the eye. But, the eye cannot focus with out a lens.

### VISION WITHOUT A LENS

The point of clear focus would occur behind the eye.

The image on the retina is blurred



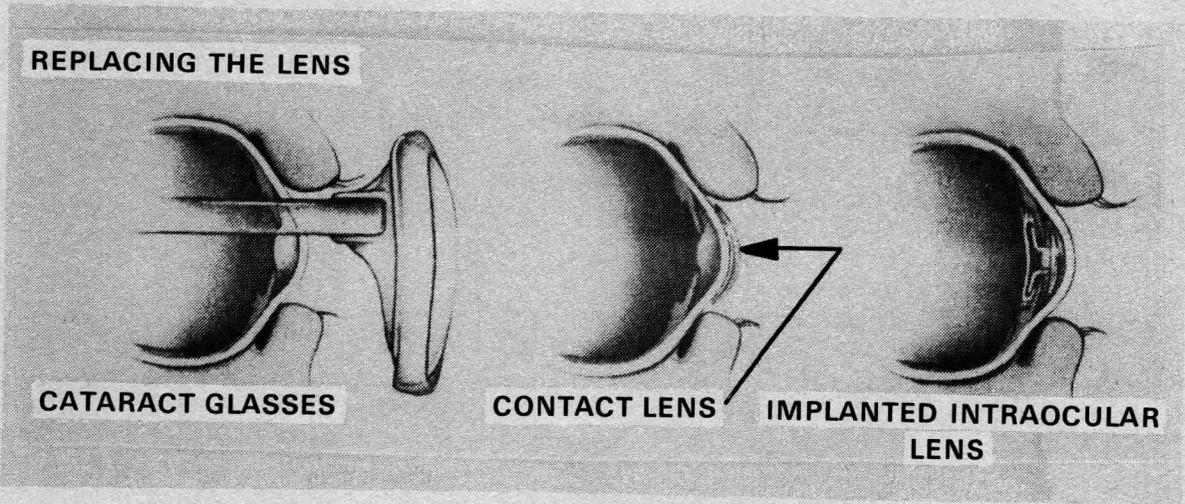
So, we must replace the lens so that focusing is possible. This is done in three ways: glasses, a contact lens, or in implanted lens, often called an intraocular lens transplant. This new, artificial lens allows the light to enter the eye, focus onto the retina and send the impulses to the brain.

### REPLACING THE LENS

CATARACT GLASSES

CONTACT LENS

IMPLANTED INTRAOCULAR LENS

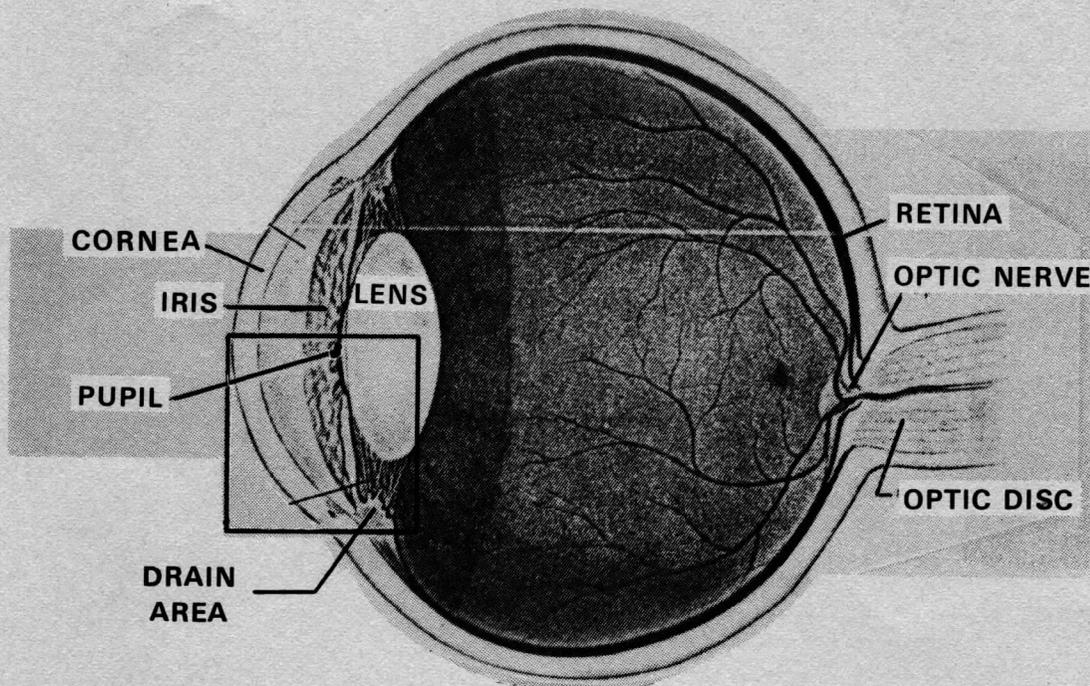


# GLAUCOMA

The entertainer, Ray Charles was born with glaucoma. At the time of his birth, treatment and control of glaucoma was not understood. In 1963, I assisted in the glaucoma surgery performed on his 18 days old daughter, born with the same disease. On a post operative examination at the age of two years, her vision was excellent. Two years ago, I spoke with him when he was in Sarasota for a concert, and he told me that his daughter's vision was purrfect! How different her life would be if she were blind. Glaucoma is the leading cause of adult blindness, and 50% of these cases were preventable!

A careful eye examination every year is a must for good eye health. If your doctor finds any problems, he/she will advise you of how frequently you should return for check-ups and a glaucoma test should be done as part of every comprehensive eye examination.

Glaucoma is sneaky disease, and you don't know you have it. Don't wait until it's too late. Glaucoma cannot be cured, but it can be treated and vision loss can be prevented.



## HOW DOES GLAUCOMA HAPPEN?

Fluid is being constantly produced by the eye. It helps to maintain normal pressure in the eyeball, and prevents it from collapsing. This fluid is drained into the bloodstream. If the fluid does not drain properly, the fluid builds up, and pressure rises within the eyeball. This causes pressure on nerve fibers and blood vessels of the optic disc and they can be irreversibly damaged. If the optic disc is damaged it interrupts the transmission of visual messages to the brain. This in turn results in impaired vision and ultimately – blindness.

Glaucoma can be treated with medicine in the form of pills or drops. It can also be treated with surgery. The surgery and the medicines control glaucoma by reducing the

pressure within the eyeball. If the pressure is kept at a normal level no damage can happen and vision is protected.

Glaucoma can run in families, so if anyone in your family has a history of glaucoma, be extra sure to have your eyes checked on a regular basis.

**The signs of galucoma may be:** Blurred or hazy vision, trouble adjusting to darkened rooms, reduced side vision, difficulty in focusing on close work, or seeing halos around lights or rainbow colored rings around lights. In severe acute attacks of glaucoma, eye pain, headache and vomiting may occur. If this happens call your Doctor immediately.

## FIRST AID FOR COMMON EYE PROBLEMS

Probably the worst thing you can do for any eye injury is rubbing the eye. It's very natural to do this, but if a foreign body is on the eye, rubbing it may cause the object to scratch the surface of the eye or to imbed it into the eye deeper.

Our tears are one of the most effective ways we have of ridding our eyes of specks of dirt, grit, or tiny fragments.

### IF YOU FEEL AN OBJECT IN YOUR EYE:

Pull your upper lid down over your lower lid, and roll your eyes upward. Hopefully this action and tearing will dislodge the particle if it is not imbedded. If you sense the particle is on your lower lid, pull the lid down by pressing gently against the lid, just below the lash. Then use a sterile "q-tip", or clean handkerchief to remove the particle. The eye will tear and help wash the particle away. Always use a clean object to remove the particle. If you are unable to remove an object, flush the eye with water; sometimes this aids in flushing out the particle.

### IF YOU SPLASH A CHEMICAL INTO YOUR EYES:

**IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES.** Seconds count, so don't worry about spilling water on yourself or the floor, hold your head under a faucet, under a shower, or pour cool water from any large container into the eye. Continue this treatment for at least 15 minutes. If necessary hold the eye open with your fingers, or have someone else do this for you. If water is not available, use beer or soft drink, or any suitable fluid to

dilute the chemical. **SEE A PHYSICIAN AS SOON AS POSSIBLE AFTER FLUSHING THE EYE.** Be able to tell the physician what chemical splashed into your eyes.

### CARE FOR A "BLACK EYE"

This common occurrence produces discoloration and swelling around the eyelids and surrounding skin, and the best treatment is to apply cold compresses to the area for the first 24 hours. This will help to reduce the swelling, and the pain. If you have double vision, or hemorrhage into the eyeball, call your doctor – the possibility of fracture of the eye orbit, or cheek is real, so do not accept a ho-hum attitude about black eyes. Consult your doctor to be safe.

**IF THE EYE IS CUT .....** This is a serious injury. Lightly patch with gentleness the affected eye, and patch the uninjured eye too. (This prevents the affected eye moving when the healthy eye moves.) Do not wash, irrigate, or touch an eye that has been cut. Call the doctor immediately.

**IF THE EYE HAS BEEN PUNCTURED .....** Or if on a blow, fluid spurts from the eye. This is a serious injury, and an emergency .... Lightly patch, and be very gentle, both eyes, as above. Get a doctor IMMEDIATELY .... Do not wash or irrigate an eye that has been punctured or has an abrasion. Lie the victim flat, reassure the victim and call for immediate medical help.

**IF AN OBJECT IS STUCK IN THE EYEBALL .....** Another very serious injury. Cover the injured eye with a shield, (a cup or cone shaped object is a good shield). Don't allow the shield to press on the eyeball. Do not touch the injured eye. Have the victim lie down, reassure the victim and call for medical help immediately. Delays are costly and should be avoided in any eye emergency.