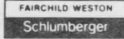




FAIRCHILD WESTON SYSTEMS INC.

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



VOL. VII, NO. 6

JULY, 1985

NAVY CONTRACT AWARDED FOR ASW DATA RECORDERS

The U.S. Navy has awarded a contract to Fairchild Weston's Data Systems Division to build Instrumentation Data Recorders for the Navy's Anti-Submarine Warfare program. The contract has a potential for nearly \$6 million worth of business, and could involve building as many as 42 AN/USH-32 ASW Acoustic Data Recorders.

The Recorder was designed and built for the Navy by Bell and Howell. FWSI won the current contract through competitive bidding against several recorder manufacturers, including Bell and Howell.

(Cont'd on Page 2)

401(k) PLAN

BENEFIT IMPROVEMENT OFFERS TAX SAVINGS

Sarasota employees attended informative meetings on July 26 and 30 to learn more about the new Data Systems Savings Plan-- an employee benefit which incorporates the tax savings features of a 401(k) Plan.

"This improvement in our employee benefits package offers employees an opportunity to save money, invest savings toward future financial and retirement planning, and reduce federal income taxes at the same time," said Personnel Director Rick Greenawalt.

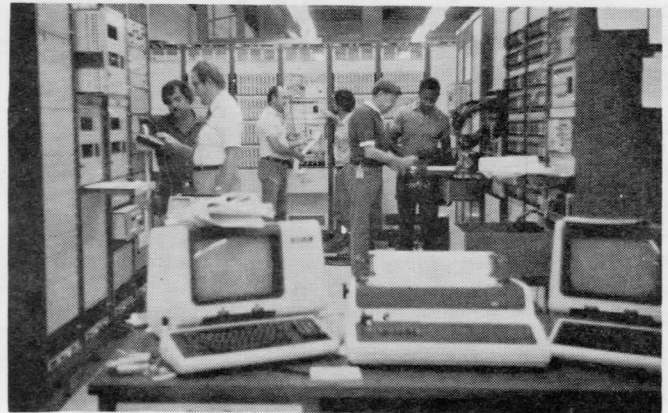
The new Data Systems Savings Plan incorporates aspects of the previous Schlumberger Contributory Investment Growth Plan and the tax savings benefits of a newer plan, known as a 401(k) Plan, he said. The term "401(k)" refers to a section of the Internal Revenue Code.

"We are pleased that the company is able to offer this improved benefit for employees, and sincerely hope that it will be helpful to a great many employees in planning for their future financial security," the Personnel Director said.

Employees are reminded to return the 401(k) forms to Alma Sanger in our Benefits Office in Personnel by August 9. The new Data Systems Savings Plan deductions will be reflected in the pay receipt you receive on August 23.

READYING PMS SYSTEM FOR SHIPMENT TO NASA

In-house acceptance testing on the final portion of the large Permanent Measurement System (PMS) for NASA Kennedy Space Center was completed during July, and the equipments were readied for shipment to the customer.



Team members on the NASA Permanent Measurement System are shown with the final portion of the system prior to shipment. Pictured are Barry Birnhak (Planning Research Corp/KSC), Erwin Lawson, Don Riker, Wayne Sarnie, Bill Claus (NASA Quality Rep) and Herb Jones.

(Cont'd on Page 2)

CREDIT UNION PAYS QUARTERLY DIVIDEND

Good financial results have been achieved by the Fairchild Sarasota Credit Union for the second quarter of 1985, enabling the Credit Union to pay a quarterly dividend at a rate equivalent to 6% annually.

"We have paid \$14,500 in dividends so far this year, and the second quarter's dividends amounted to \$7,760," Credit Union Treasurer Ed Annaratone reports. The dividend has been posted to members' accounts, as of July 1.

"New statements have been issued, showing more detail, thanks to our new IBM computer," Ed said. "The statements are available at the Credit Union Office, and we would appreciate your comments on the new format."

AN EQUAL OPPORTUNITY EMPLOYER M/F/H/V

NAVY CONTRACT AWARDED FOR ASW DATA RECORDERS

(Cont'd from Page 1)

The Recorder will be positioned aboard ships which carry the Navy LAMPS III helicopters (typically destroyers and cruisers) and will be used for anti-submarine warfare. The machine is a very high reliability Mil Spec machine with extremely low noise characteristics.

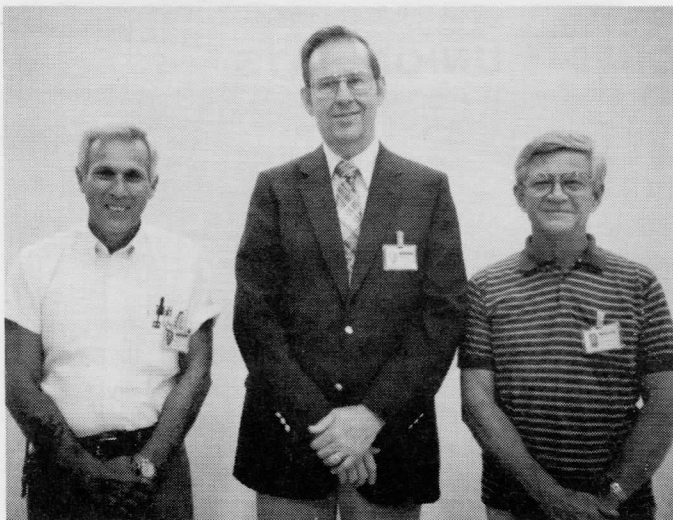
The first phase of the program is for \$700,000, and calls for complete verification of an existing machine, provided by the Navy, and building our first unit which will be subject to extreme environmental and performance testing. This initial phase is expected to take between nine months and a year to complete.

"Upon successful completion of the first phase of the contract, we expect that orders will be received for production units, with delivery extending over a three-year period," Operations Director Ray McPartlin said. "Once into production, the order will require the equivalent of about 20 man years of direct labor per year for three years.

"Winning this job from a major competitor was the result of an outstanding effort by Marketing, Operations, Engineering and Quality Assurance. It is difficult to list everyone involved in this large scale effort, but special thanks go to Ray Shuford, Leon Head and Bill Kessler for their many extra hours of hard work," Ray McPartlin said.

HAPPY ANNIVERSARY !

Congratulations to this trio of gentlemen observing major service anniversaries with our company this month. A special tip of the hat to Roy Paxton whose 25th service anniversary was on July 11, and to Robert Van Doninck who marked 20 years with our Division on July 20.



Happy anniversary to Bernie Cori (five years); Roy Paxton (25 years) and Robert Van Doninck (20 years).

READYING PMS SYSTEM FOR SHIPMENT TO NASA

(Cont'd from Page 1)

The PMS equipments have been produced for NASA to support launches of the Space Shuttle from Launch Complex 39 at Kennedy Space Center. The entire system valued at over \$3,800,000, includes subsystems for each of two Mobile Launcher Platforms, two Launch Pads, and the Launch Control Center.

Units pictured in the accompanying photograph include equipment for the Launch Pad A and Mobile Launcher Platform-1 Permanent Measurement System. The PMS, similar in function to the Launch Environment Instrumentation System recently delivered to Vandenberg Air Force Base, is used to monitor a large number of sensors located in the launch area around the Space Shuttle during lift off. The sensors provide information describing the environmental conditions which exist in the immediate launch area. The PMS conditions and stores this environmental information while displaying the current conditions to Shuttle operations personnel in the Launch Control Center.

Sarasota employees who are involved in installation of this PMS equipment at Kennedy Space Center include Kathy Bossert, Bill Cox, Wiley Dunn, Gene Harbert, Erwin Lawson, Don Riker, Wayne Sarnie, Jack Snider, Earl Studenwalt and Len Zeiler. After installation of the system, Tom Tatman will have Customer Support responsibility. Tom is located in a Titusville, Fla., office and services our equipment located at KSC.

"I'd like to say 'Well done' to the many employees throughout the plant who contributed so much to this project," said Bud Hinkel, Telemetry Product Line Director. "Manufacturing, Systems Engineering, Tech Pubs and many other departments put in lots of extra hours in order to meet NASA's tight schedule. We need this type of continued team effort for future jobs. Thanks to all who participated."



A REMINDER --

Have you sent in your forms for the 401(k) Data Systems Savings Plan? DEADLINE IS AUGUST 9. The first payroll deductions under the new Savings Plan will be seen in August 23 pay receipts.



SAFETY RECORD GROWING

Our safety record is growing -- thanks to YOUR safety awareness. We have logged 464,000 hours without a lost-time accident. Please remember to take your safety awareness with you, whether you are at work, at home, or on vacation. Be safe and avoid those painful injuries.

CARL PALKOVICH PRESENT AT AIR INDIA CRASH INVESTIGATION

Carl Palkovich, of our Equipment Recorders Service Department, was the Fairchild representative at the Air India plane crash investigation in Bombay during the week of July 15.

Air India and the Indian Government invited representatives from Fairchild Weston, Lockheed, Boeing, the National Transportation Safety Board, and Air Safety Committee of Canada to be present when the Fairchild Cockpit Voice Recorder and Lockheed Flight Data Recorder were opened in Bombay. The investigation into the causes of the Air India plane crash is continuing.

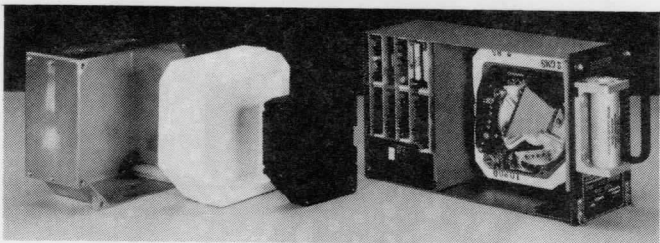
"The Fairchild Cockpit Voice Recorder tape recording was very good, and the unit performed as it was designed to do," Carl reported. "After the tape was played back, they complimented Fairchild on the CVR performance."

The unit was identified as a Fairchild Model A100 Cockpit Voice Recorder built in Commack, N.Y., in November, 1979, prior to the time the Aviation Recorders business segment was relocated to Sarasota.

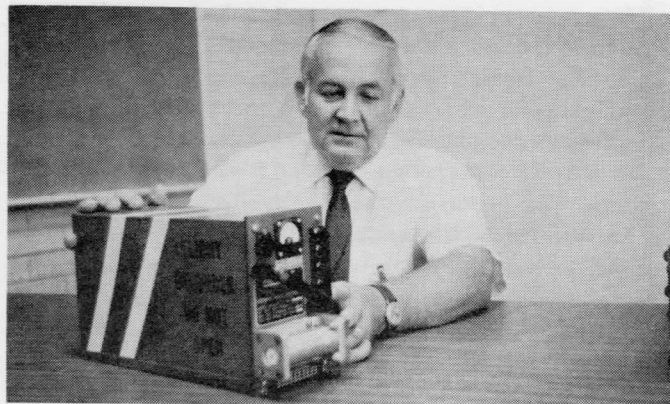
The investigation in Bombay is part of a dramatic series of events. After an intensive underwater search, the Fairchild CVR was recovered from a depth of 6000-7000 feet in the Atlantic off the coast of Ireland, following the mysterious loss of an Air India Boeing 747 on June 23 with 329 persons on board. The plane was enroute from Toronto and Montreal to New Delhi and Bombay.

Upon its recovery from the ocean, the Fairchild CVR was sealed in a container in fresh water to clean and preserve it, and then sent to Bombay for the investigation. A special Council was appointed by the Indian government to supervise the investigation.

Carl Palkovich left for India on July 13, arriving on July 15 (due to 10 1/2 hour time difference) after approximately 19 hours of flying time. Hours later he participated in meetings to establish the procedures for the investigation involving the opening of the Fairchild CVR and Lockheed Digital Flight Data Recorder.



Inside a Cockpit Voice Recorder -- On the front is the underwater locating device which "pings" to aid searchers in locating the box. Moving from right to left, we come to the tape deck. Next are the printed circuit boards for operation of the recorder; the black tape deck cover; thermal assembly for protection in case of fire, and steel pot to withstand impact of crash. The metal dust cover, not shown, is painted International Orange to assist in finding the unit.



Carl Palkovich, Manager of Equipment Recorders Service, with a Cockpit Voice Recorder similar to unit recently recovered after Air India plane crash.

"There was heavy security and armed guards," Carl relates. "We were escorted to the Atomic Research Center facility where equipment was set up for the tape playback.

"The outside of the CVR did not have much physical damage, but the metal dust cover had been compressed, due to the underwater pressure. Tin snips were used to cut open the dust cover. The tape was intact, and all the printed circuit boards appeared to be in order. The tape was removed very carefully and washed with clear water and then dried using a soft cloth. The tape was then respooled to be played on a reel-to-reel recorder.

"First they played back Channel 4, which is the cockpit area microphone, and the recording was very good. Later the other channels were played. These are the channels for the pilot, copilot and third crew member. There was normal cockpit conversation and it ended abruptly."

The Lockheed Flight Recorder tape recording also ended abruptly at the same time. As the investigation continues, the CVR and DFR tapes will be correlated and compared, along with the Air Traffic Control tape.

"I feel that further analysis will lead to a determination of what actually happened in this air tragedy," Carl said. "Although we always hope that our customers will never have to call on the Aviation Recorders for accident investigations, it is rewarding for all of us to know that the units we design and build can contribute to air safety by helping to unravel the mysteries of air crashes, and save lives in the future.

"It is great to see the pride and workmanship which go into our units, and to realize how very important that quality is when our Recorders are vital to investigations such as this one," he noted.

Fairchild Aviation Recorders have a well established reputation for reliability in the history of aircraft accident investigations. About 80% of the world's passenger-carrying airlines use Fairchild Cockpit Voice Recorders or Flight Recorders. Over the years some 15,000 Fairchild Aviation Recorders have served the civilian and military air carriers.

NEW CIRCLE IMAGE CONTEST ATTRACTS CREAT

Many creative ideas were entered in the big Quality Circle contest to select a new poster, logo and pin design for the Data Systems Division Circle program. Entries from 16 Circle teams were displayed in the Cafeteria, and the innovative designs drew compliments from employees and the judges.

"Members of the Quality Circle Advisory Committee selected three entries and it was a very difficult decision for the judges," Circle Facilitator Freddie Masse reported.

The selected entries are;

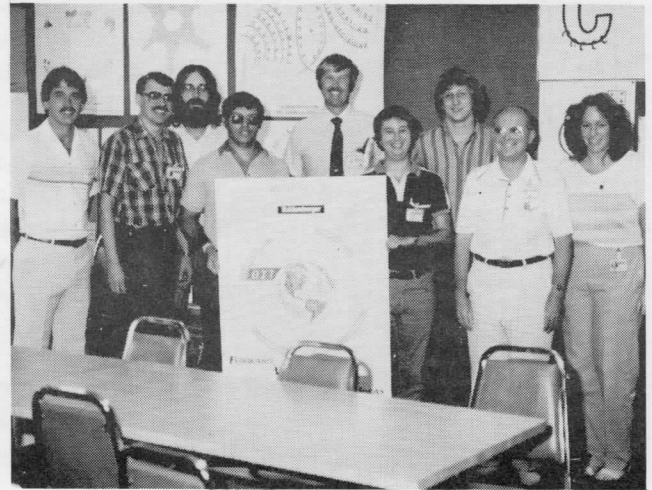
POSTER -- Better Ideas Together, by the Telemetry Test Circle.

PIN -- Circles for Success, by the Office Occupations Circle.

LOGO -- Three intertwined circles, designed by the Fab Shop Circle.

"I can honestly say that the entries were all winners," Freddie commented. "The innovative ideas showed a lot of thought has gone into each entry, and we were impressed with how well the groups presented their ideas."

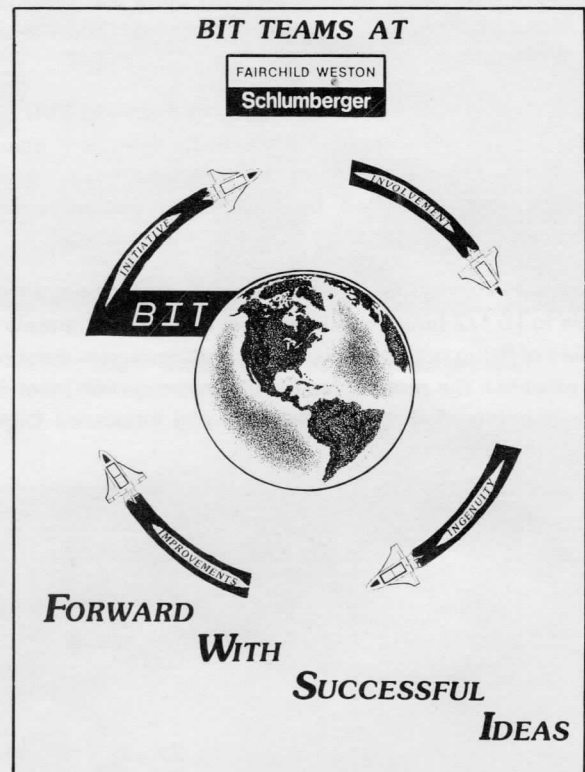
Recognition of all of the contest participants included T-shirts bearing the new Circle "image." Prizes for the team members whose entries were selected ranged from a special luncheon treat to gift certificates. Team members chose the prizes they preferred.



Telemetry Test Circle members with their poster design: Greg Sutton, Phil Luquette, Doyle Jones, Jack Newcomb, Circle Leader Bill England, Rick Wilson, Dean Norfleet, Richard Healy and Sandie Woods. Missing from this photo is Vince Wuellner.

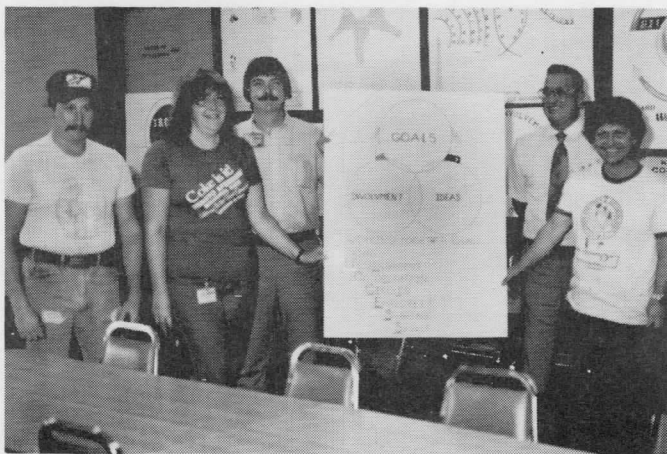


"Circles for Success" is the new Pin design entered by the Office Occupations Circle. Pictured are Terry Cori, Carolyn Yant, Circle Leader Berenice Henderson, Chris Lawson, and Debbie Woolard. Missing from this photo is Elaine Ellis.

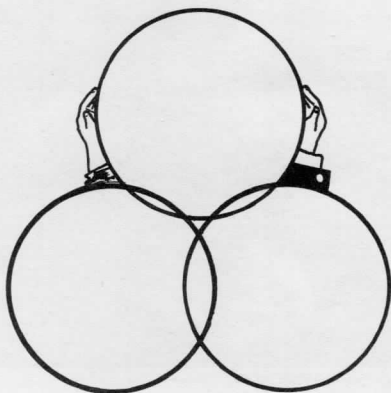


Three successful designs in image for our Circle Program designed by the Telemetry Test logo created by the Fab Shop pin designed by the Office O

VE IDEAS



The new Circle Logo design of three intertwined circles was entered by the Fab Shop Circle-- Mark Stone, Becky White, Ed Morrow, Circle Leader Eldon Andrews, and Jim Huffman. Missing from this photo is Hutch Ferrugia.



The contest to create a new
-- The poster at left was
st Circle. Top right, the new
Circle. Lower right, the new
Occupations Circle.

\$ MONEY FOR YOU

HOSPITAL PRE-ADMISSION CERTIFICATION REQUIRED

Going into the hospital for overnight or longer? Please be sure to fill out the pre-admission certification request form in advance --in order to obtain maximum insurance coverage under our group medical insurance plan. If you (or your covered dependents) are NOT certified, your reimbursement for your hospital stay will be LOWER.

Usual pre-certified hospital coverage is at 80% of covered hospital expenses. Non-certified coverage is at 50% of covered hospital expenses.

EMERGENCY ADMISSION MUST BE CERTIFIED WITHIN 48 HOURS.

THE TOLL FREE NUMBER FOR (AETNA (HARTFORD) FOR HOSPITAL STAY CERTIFICATION IS 1-800-633-6373.

Staying longer than pre-certified ? Your DOCTOR must advise Aetna (1-800-633-6373) about the extension of days in the hospital.

For more information, please call Alma Sanger of our Benefits Office, Ext. 526.

CONGRATULATIONS !

RICH HUBBARD (Signal Processing) and his wife Patricia are the proud parents of a son, Brian Patrick, born on June 27. He weighed in at 6 lb. 9 oz.

BHARAT PARKHANI (Telemetry Hardware) and his wife Krishna welcomed their baby daughter Jaanvi on July 5. She weighed 7 lb. 3 oz. at birth.

PHIL INGRAM (Recorders Test) and his wife Kathleen are the happy parents of a new daughter, Kasia Dawn, who weighed 8 lb. 9 oz. at birth on July 11.

JOE DALTON (Signal Processing) and his wife Karen announce the arrival of their son, Joseph Mark II, on July 17. He weighed 7 lb. 2 oz. at birth.

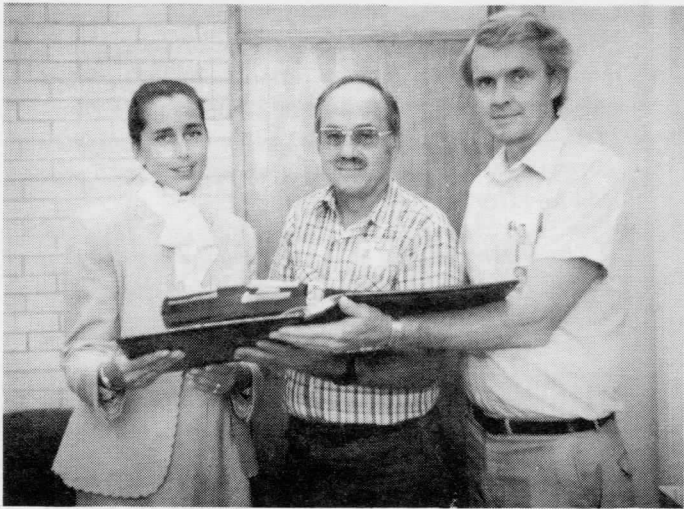
HERB LARRABEE (Telemetry Software) and his wife Meg are the parents of a new baby boy. Drew Scot was born on July 12 and weighed 7 lb. 3 oz.

BARB DIETZ (Engineering Document Center) became Mrs. Joseph Rich on May 17 in an outdoor wedding ceremony in Sarasota.

TERRI HUGHES (Equipment Recorders Assembly) and her husband Mitch welcomed their baby daughter, Stephanie Nichole, on July 12. She weighed 7 lb., 9 oz.

SOME NICE PEOPLE DOING GOOD THINGS --

To Data Systems Division employees, these individuals are colleagues and friends. To others in our community, they are volunteers who give of themselves to help others.



Sue Nurczyk, Paul Shetler and Mike Russell reviewing Paul's photos of Belize.

SUE NURCZYK, of Telemetry Tech Writing, is a Big Sister...MIKE RUSSELL, of Aviation Recorders Engineering, has been active in Boy Scouting for about eight years, and recently returned from a week at Scout Camp with 11 of his Troop 95 Scouts....PAUL SHETLER, of our Machine Shop, is a Lay Leader in St. John's Methodist Church in Sarasota. He went to Belize with a team of church volunteers and spent nine days of his vacation helping to renovate a small rural church.

"There were 20 members, ages 14 to 72, representing eight Methodist Churches in North Port, Venice, Sarasota, Arcadia and Bradenton," Paul Shetler reports. "We left June 20 and returned June 29, flying from Miami to Belize City in the small Central American nation of Belize, formerly British Honduras. It's on the Caribbean, south of Mexico and bordered by Guatemala. Belize is about the size of Florida and has a population of 140,000.

"We went to repair the small, old Methodist Church building in Hattieville, 17 miles west of Belize City. The whole team worked on the repairs in the morning. Afternoons the two young people met with the youth of the area, and the women taught crafts, sewing and cooking skills, while the six men continued working on the church renovations.

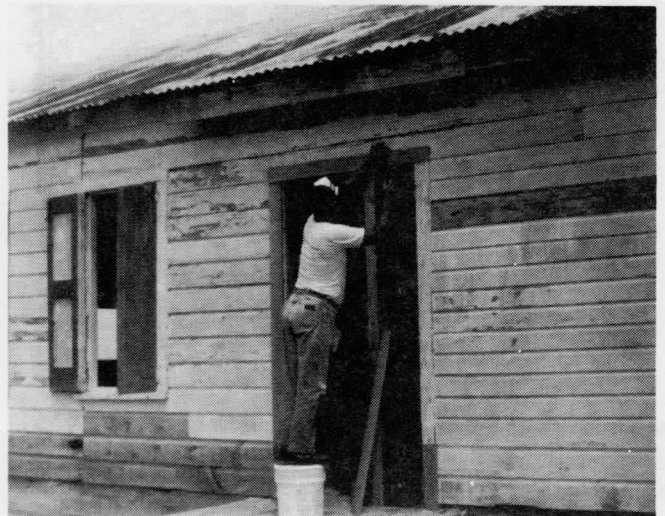
"Our group was housed in two rooms in a Wesley College building in Belize City. We slept on the floor on air mattresses we brought with us. There were no screens or windows, just shutters. Fortunately there was a breeze from the Caribbean to make the 85° temperature comfortable at night. Day temperatures were about 98 to 100 degrees, which seemed pretty hot when we were painting the tin roof," Paul said.



Starting the repairs on the Methodist Church building in Hattieville, Belize.



Eight days later -- the finished product.



Paul Shetler at work on the repairs.

VOLUNTEERS GIVE OF THEMSELVES

Team members brought along their own tools and some paint, but purchased lumber and nails in Belize. Major expenses of travel and food were paid through Church fund-raising activities, but team members paid for their personal expenses such as immunization shots, passports, etc.

"We made new friendships among the team members, and the people in Belize were very special," Paul said. "They were willing workers, very appreciative, warm and loving people. My 15-year-old son, Wade and I really learned a lot from this experience -- the farthest we had ever been from home."



On the last day Paul visited the Mayan ruins of Xunantunich in Belize on the Guatemalan border.

SUE NURCZYK has been a Big Sister to 13-year-old Melissa since May.

"When you sign up to become a Big Sister, you are scheduled for orientation. This includes an intensive home interview of both Bigs and Littles, so that a good match can be made," Sue reports. There is also a police check to protect the children.

"The Big Brothers/Big Sisters organization requires a commitment of spending three hours a week with your Little, for not less than 18 months," Sue said. "Children are from single-parent homes, and ages range from 6 to 14. Both Big Sisters and Big Brothers are always needed. However, there is a great need for Big Brothers, with over 40 Little Brothers waiting for Bigs in Sarasota right now."

Sue and her Little Sister usually meet Friday evenings, and sometimes during the week as well. They go to the movies, or visit at Sue's house. They have been horseback riding, attended a fashion show, and gone to the beach. They plan a trip to Adventure Island, and often watch Sue's husband play in his softball league during the week.

Another of our good volunteers is FRANK BLACK, of Signal Processing. He has been an active Big Brother since January, 1984. Frank's Little Brother is a 12-year-old.

If you would like more information about the program, call Big Brothers/Big Sisters at 923-4376.

MIKE RUSSELL was recruited into Scouting by his son Seth about eight years ago. Last summer Mike was one of four adult advisors who accompanied a group of 30 Scouts to a New Mexico wilderness camp for ten days. This year Seth is spending his college vacation working at the Philmont, N.M., Boy Scout Wilderness Ranch. Young Jay Russell is just entering the scouting program.

In June Mike Russell spent a week of his vacation as a camp leader at Camp Flying Eagle on the Upper Manatee River, along with 11 Scouts from Troop 95. Mike's love of the outdoors and his sons' interests in Scouting blend for a happy mix.

In a letter of appreciation sent to the company about Mike Russell, a Scout Executive said, "The camp experience is a highlight for most Scouts and aids in developing lifetime values in youths. This experience can only occur through the dedication of the adult Scout Leaders."

To Mike, Paul and Sue -- and the other good volunteers among Data Systems Division employees -- thanks for doing your bit to make the world a better place.

FAIRCHILD WESTON IS PEOPLE...

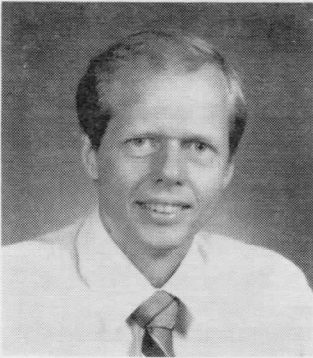


FAIRCHILD WESTON IS PEOPLE WORKING TOGETHER -- Pat Jones, Electro-Mechanical Assembler in Telemetry Test, has been with our Division since July, 1978. (Photo by Herb Booth)

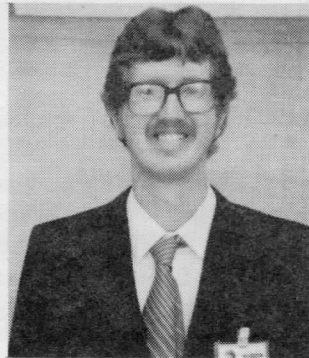
WELCOME ABOARD TO OUR NEW FELLOW EMPLOYEES

Welcome to the new employees who joined us during June. Here's hoping you enjoy being part of Fairchild Weston's Data Systems Division.

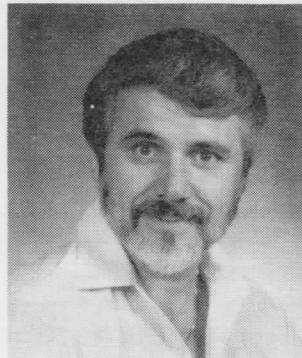
We look forward to working together with you to achieve the Division's goals, as we design and produce the high quality products, systems and service needed to meet our customer's requirements.



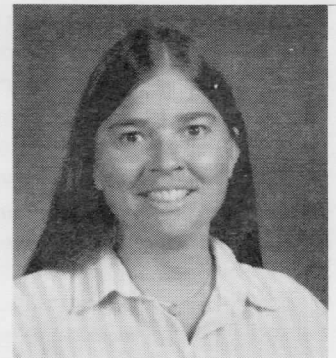
BILL ANDERSON
*Sr. Systems Analyst
New Programs/Technology*



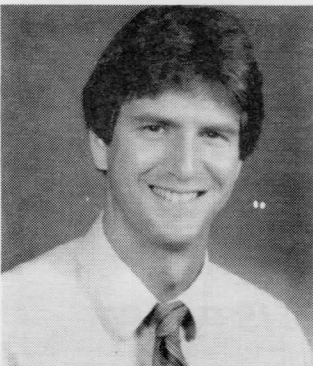
PAUL A. FLEISCHER
*Scientific Programmer
Customer Support, Calif.*



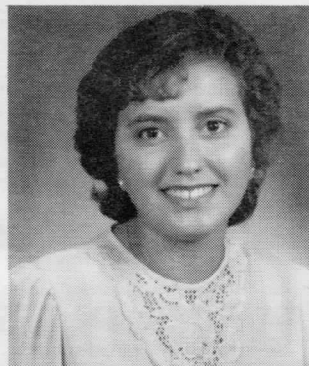
DONALD B. LIGNORE
*Sr. Technical Writer
Telemetry Tech. Pubs.*



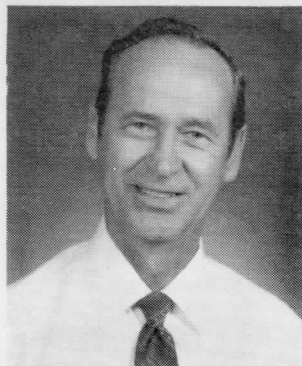
SANDRA MARKMAN
*Mgr., Configuration
Control, Quality Assur.*



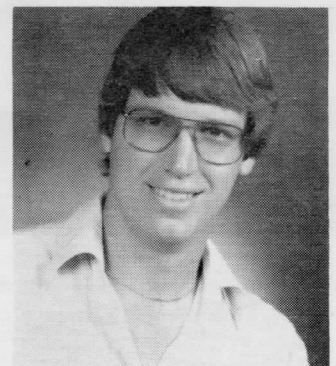
TOM PAPST
*Supervisor, Contracts
Accounting*



E. (LIZ) PETERS
*Accountant, Contracts
Signal Processing*



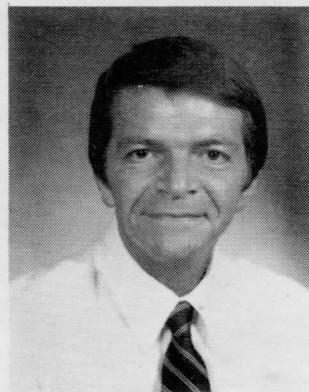
FRED PHILLIPS
*Systems Analyst
Signal Processing*



GARY L. PHILLIPS
*Assoc. Test Engineer
Test Engineering*



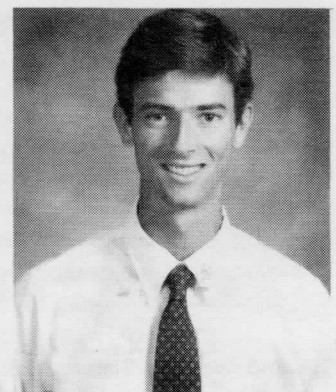
ROBIN L. SMITH
*Word Processor Op.
Word Processing*



JOHN R. URBAN
*Buyer
Procurement*



NANCY VRANESH
*Technician
Systems Hardware*



WILLIAM N. WAGGENER, JR.
*Assoc. Engineer
Systems Products*



FAIRCHILD WESTON SYSTEMS INC.
FAIRCHILD WESTON Schumberger

FAIRCHILD WESTON SYSTEMS INC.
 DATA SYSTEMS DIVISION
 POST OFFICE BOX 3041
 SARASOTA, FL 33578

HEALTH LINE

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

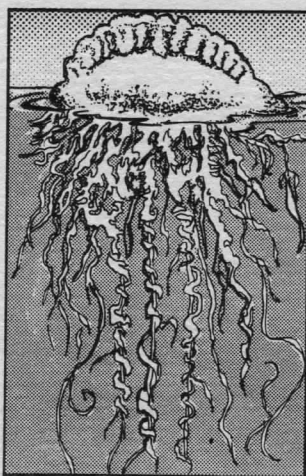
POISONS, STINGS & BITES

This is the season that we all enjoy being outdoors. The beach, the parks, and the water all become a part of our recreational life. But, the outdoors and water areas are the home of some interesting insect and marine life that sometimes resent human intrusion in their environment. They display their displeasure by biting and or stinging those of us who come into contact with them. In the event that someone in your party becomes a victim it would be wise to know some first aid measures.

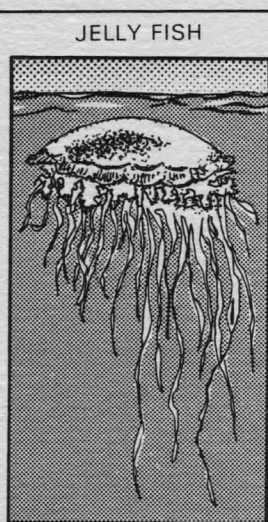
MARINE ANIMALS

Sting (by tentacles)

Jelly fish	Corals
Portugese man-of-war	Hydras
Anemones	



PORTUGESE MAN OF WAR



JELLY FISH

Jelly fish and portugese man-of-war have stinging cells (nematocysts) located on their tentacles. When brushed against or picked up, they "fire" off these stinging cells upon contact. Even when washed up on shore these cells remain potent for several days. These cells produce and inject venom (poison) and this produces:

Burning pain	Muscular cramping
Rash	Shock on occasion
Nausea	Vomiting
Breathing difficulties, weakness, perspiration	

The cells remain on the skin and have to be scraped off. The best way to proceed to start first-aid when stung is:

1. Wash the affected area with salt water.
2. Remove the cells with a gloved hand if possible.
3. Pour alcohol, ammonia, meat tenderizer, vinegar, (any one works well) over the wound.
4. Then apply flour, baking powder, talcum powder or soap over the wound. (Use dry sand if these are not available.)
5. Then scrape the application off with a sharp instrument and rewash with salt water.
6. If you have an over-the-counter skin preparation of cortisone, apply it.
7. Take aspirin or Tylenol for discomfort. If symptoms are severe, seek Medical aid. Some persons are highly allergic to these stings and may need immediate medical attention.

Puncture wounds

Sting rays	Urchins
Spiny fish	Cone shells
(catfish, toad and oyster fish)	

We will discuss basically the cause and care of STINGRAY wounds because they are prevalent in our area and because they cause such excruciating pain.

Venom is contained in the spines of the dorsum of the animals tail. Injury happens when an unwary person steps on the fish while wading in the ocean surf. The fish thrusts it's tail upward and forward and drives the spine(s) into the person's foot or leg. A sheath surrounding the spine ruptures and venom escapes into the person's tissues, causing immediate and severe pain.

The wound is usually jagged, bleeds freely and pieces of the sheath contaminate the wound. Generally there is swelling, and discoloration.

The wound can cause a person to feel:

Weak	Faint
Nauseated	Anxious
Sweaty	Diarrhea

In severe reactions people can collapse, have genealized cramps, pain in the groin, or under the arms, and respiratory (breathing) distress. Usually pain is localized to the wound.

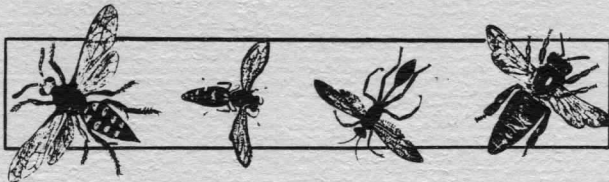
The best first-aid is hot water. It seems that the venom is heat-sensitive.

1. Irrigate the wound with salt water
2. Attempt to remove the sheath from the wound if it is present.
3. Then submerge the extremity in hot water (as hot as the victim can tolerate without injury). Soak this way for 30 to 90 minutes.
4. Then re-examine the wound for any particles of the sheath. These should be removed to prevent infection.
5. In all cases, consult with your Doctor about Tetanus protection after a stingray puncture wound.

Normally marine life stings and punctures do not threaten life. But, for those persons especially allergic to the venoms, these stings and punctures could be life threatening. If symptoms are severe, or the person collapses, or if breathing becomes difficult, they should be taken to the nearest emergency medical treatment center.

Now let's talk about the creepy critters that inhabit our environment, and that we are more apt to encounter while out-doors.

BEES, WASPS, HORNETS AND ANTS



Although it may take over 100 bees to inflict a lethal dose of venom in most adults, one sting can cause a fatal reaction in a hypersensitive person, (Allergic person). The stinging organ of most of these insects is a small, hollow spine that projects from the insect's abdomen. This spine can inject venom (poison) directly into the skin. The honeybee when it stings, loses a part of its abdomen on the stinger and dies after stinging someone. The wasps, hornets, and ants can fly away and sting again and again.

How would we treat an ordinary reaction to bee, wasp, hornet, or ant sting or bite?

An ordinary reaction would have these symptoms:

- Sudden pain at the site of the bite
- Redness, swelling and heat at the site of the bite
- White firm elevation in the skin with itching

First aid would include:

1. Remove the stinger by teasing or scraping, rather than by pulling. Do not use tweezers.
2. Wash the area gently with soap and water.
3. Apply a cool moist compress or an icecube to the area.
4. Apply calamine lotion, or a cortisone cream to the area.

If these symptoms occur, obtain medical help immediately.

1. generalized itching
2. hives
3. weakness, headache, cramping
4. difficulty breathing
5. collapse

These are the symptoms of someone hypersensitive or allergic to the venom and these symptoms indicate an emergency.

If you are allergic to bee, wasp and hornet stings, your doctor may write a prescription for you to obtain a "kit" that contains medicine that you are supposed to take immediately after being bitten or stung. Identification should be carried by hypersensitive people indicating this medical condition. **IT COULD SAVE YOUR LIFE.**

If someone with you is stung and has a severe reaction, start breathing mouth to mouth, treat for shock and get them to an emergency medical facility immediately, or, call an ambulance.

Fire ants, can cause the same set of problems for humans. Washing the wounds, and applying copious amounts of ammonia, or meat tenderizer to the bites can alleviate the pain. These wounds fester and appear to be infected. Application of an over the counter anti bacterial ointment will enhance healing. If any signs of severe reaction occur, get the person to a medical care center immediately.

Next month we'll talk about spiders, snakes, scorpions, and dog bites.