



FAIRCHILD WESTON

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Schlumberger

NEWS ABOUT DATA SYSTEMS DIVISION

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## SCHLUMBERGER SCHOLARSHIP AWARDED TO LOCAL STUDENT

A Conrad and Marcel Schlumberger Scholarship has been awarded to the daughter of Data Systems Division employee Chuck Jones, of Aviation Recorders Engineering. His daughter, Tracy Jones, was "very surprised and happy" to learn of her selection as a Schlumberger Scholarship winner this month.

Tracy Jones becomes the fifth Schlumberger Scholarship winner at our location. Last year's Scholarship winners were: Douglas Bechtold, son of Royal Bechtold; April Moninger, daughter of Mike Moninger; Claudia Napfel, daughter of Hans Napfel; and Richard Weller, son of Paul Weller.

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

Applicants must be in their senior year of high school, or comparable preparatory school, and must be entering college for the first time as a freshman or under advanced

*(Cont'd on Page 2)*

## NASA-KSC ORDERS EQUIPMENT TO UPGRADE LAUNCH SITES

A new contract for providing instrumentation to upgrade Launch Complex 39 at NASA Kennedy Space Center has been awarded to Data Systems Division. The contract, valued at over \$3,800,000, involves 400-series signal conditioning equipments, and two Model 4 Data Recorders.

Work on this latest NASA contract is expected to extend over the next 19 months, and involves manufacturing and systems effort to configure and test the racks of equipment for each of the launch sites.

Len Zeiler will be Program Manager on this newest NASA-KSC contract. Wyatt Bishop, Art Kelley, Earl Studenwalt, and Wiley Dunn contributed to the successful negotiations for this major new business. Jim Clements, of Huntsville, has Sales responsibility for the Southeast area.

## NEWEST SCHOLARSHIP WINNER



*Schlumberger Scholarship winner Tracy Jones and her dad, Chuck Jones, of Aviation Recorders Engineering.*

Tracy is the daughter of Charles and Judy Jones. She is scheduled to graduate from Riverview High School at the commencement exercises on May 31, and plans to enroll at Manatee Junior College.

"I plan to go to college for four or six years, studying computer technology, and hope to find a well-paying job," Tracy said.

Tracy is in the top 8% of her class. She received a National Leadership and Service Award in 1984, and is listed in "Extraordinary Christian High School Students of America, 1983," having been nominated for that honor by the Minister of her church.

She is Bagpipe Major of the Riverview High Kiltie Marching Band, and is first clarinetist in the Riverview Symphonic Band. Her interests include music and puzzles. Tracy has two sisters and a brother. The Jones family is busy preparing for the June 2 wedding of Terri Jones.

In addition to her busy academic schedule and school activities, Tracy has worked at a Baskin Robbins Ice Cream store, and is currently employed at a Kash N' Karry Supermarket.

Chuck Jones began his career with the Schlumberger family of companies at The Heath Company, Benton Harbor, Mich., in 1963. He transferred to Sarasota in 1979, and is now a project design engineer in Flight Recorders.

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

## **FWSI WINS A MAJOR SUBCONTRACT ON A U.S. NAVY PROGRAM**

The Telemetry Product Line has been awarded a contract to provide portions of the System Acceptance and Checkout Equipment (SACE) on a U.S. Navy program. FWSI is teamed with Control Data Corporation as a subcontractor to Lockheed to develop the SACE equipment.

This cost-reimbursable development program, in excess of \$2 million, was negotiated in April, and consists of three SACE subsystems, with the first system delivery scheduled for October, 1985. The Navy program involves the Lockheed-developed sea-launched Trident II Missile, which is part of the U.S. Strategic Defense System.

Richard Painter, Manager, Advanced Programs, noted that this award is particularly significant because it is a cost-reimbursable contract, and will provide valuable experience in managing and performing complex Government programs.

The major engineering activity at this time is taking place in Sunnyvale, Calif., where Lockheed, CDC, and FWSI personnel are working out the interface and system level details. Bill Hardman heads up this FWSI Program with Mike Witchey and Jack Cain performing the Sarasota engineering design. Chuck Miller is our Sunnyvale Field Engineer. This program entails critical Navy Quality Assurance/Reliability requirements, as well as stringent documentation.

"It has been many years since the Sarasota Telemetry Group has been involved in a cost-reimbursable Government program of this nature, and it will provide a challenge to all groups," said Bill Hardman, Advanced Programs Marketing Manager. "I think we are off to a very good start, after the grueling details at the negotiation table." Participating in the negotiations for Data Systems Division were Bill Hardman, Earl Studenwalt, of Contracts, and Mike Harris, of Cost/Contracts Accounting.

## **SCHLUMBERGER SCHOLARSHIP AWARDED TO LOCAL STUDENT**

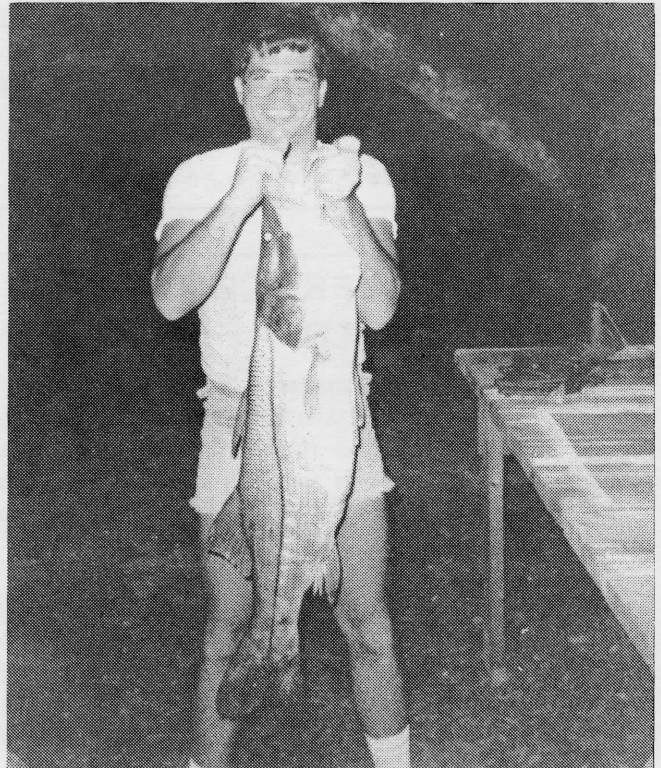
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placement. The Scholarships are renewable for a total of four consecutive academic years. To qualify for Scholarship renewal, the student must have the College Registrar forward an official copy of the recipient's grades or transcript to the Scholarship Committee.

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

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

## **THAT IS SOME FISH !**



Wayne Shepherd, of Design and Drafting, displays the 20-pound snook he landed from the Venice South Jetty at sunset on May 10. Wayne, an avid fisherman and lifelong resident of the Venice area, used live shrimp and no weights to attract this big one. The wily 36-inch-long game fish jumped three times before Wayne could land it, using a light rod and 15-pound test line.

The snook also managed to wrap the line around a crab trap and some rocks, and a pelican had to be untangled from the line before the fisherman could prevail.

The largest snook Wayne has reeled in was a 24-pounder four years ago. He also goes after fresh water bass, and has landed a 112-pound tarpon.

## **TECHNICAL PAPERS PRESENTED AT EUROPEAN TELEMETRY MEET**

Art Kelley, Harry Durrett and Jud Strock represented Data Systems Division at the European Telemetry Conference near Stuttgart, Germany, May 21-24. Harry Durrett and our German Sales Rep showed our equipment, including the Model 8320, to potential customers.

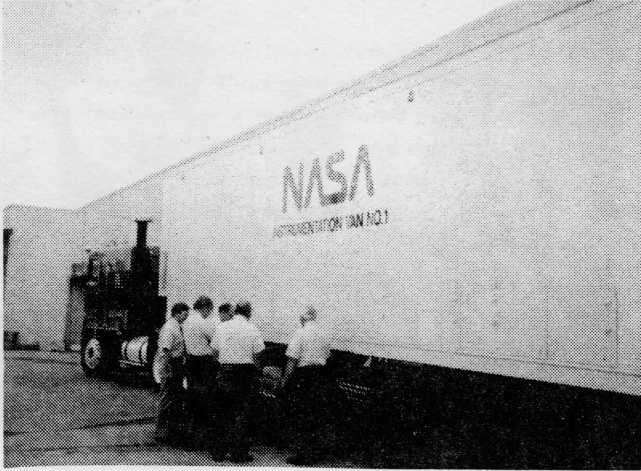
Jud Strock and Art Kelley presented two technical papers and also called on customers. The papers are:

"Advanced Telemetry Processing Equipment Solves Many User Problems" by O.J. Strock and G.A. Schumacher, describing our 8000-Series System.

"Advanced Medium Scale Real-Time Systems" by Arthur L. Kelley, describing the Real-Time Data Acquisition and Processing System (RDAPS) delivered to the Army for helicopter flight testing at Edwards Air Force Base, Calif.



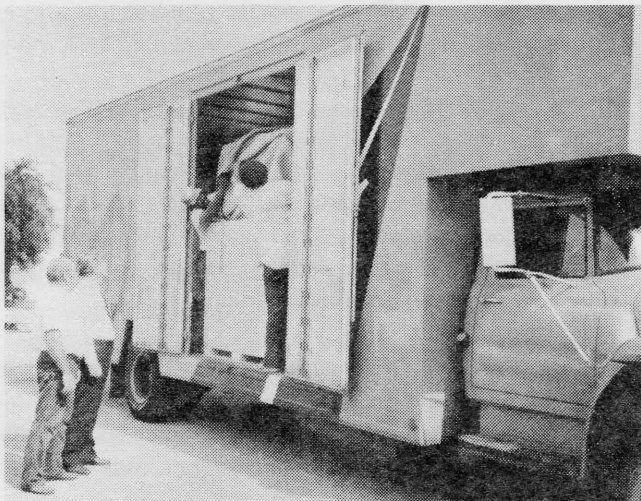
## LETF SYSTEM SHIPPED TO NASA SPACE CENTER



*Last-minute inspection -- just before the NASA Instrumentation Van left our West parking lot on May 23, headed for NASA-Kennedy Space Center. Pictured with the van are Earl Studenwalt, Dick Haase, DCAS Representative George Figg, Vic Boucher and Dave Walker. The LETF system, valued at nearly \$3,000,000, consists of the van-mounted Data Acquisition System, and a Data Processing System which will be housed in a Kennedy Space Center building.*

"We were able to ship this project on schedule thanks to the excellent support of many employees in departments throughout the plant, and we'd like to express our appreciation," said Dick Haase, Program Manager for the LETF systems.

On-site acceptance testing of the two systems will take place at KSC shortly. Employees who will participate in the acceptance testing are Kathy Bossert, Vic Boucher, Bill Cox, Erwin Lawson, Kevin Lewis and Dick Haase.



*The LETF Data Processing System was loaded on a separate moving van on May 23, and also headed for NASA-Kennedy Space Center. Vic Boucher and Dick Haase keep a watchful eye on the packing, as the truck prepared to leave for the Cape.*

## WIND SHEAR SYSTEMS READIED FOR DELIVERY

An airport safety system, destined for installation at the New Orleans Moisant International Airport, is undergoing environmental testing in-house this month, prior to shipment to New Orleans in time for the World's Fair traffic influx.

This \$400,000 program is designed to provide FAA with an improved Low Level Wind Shear monitoring system, plus a research tool to record wind profiles that lead to serious wind shear events. Moisant was chosen as a test site due to the high incidence of wind shear, and following an airliner crash in 1982 with high loss of life.

Test results will help the FAA to determine potential future improvements to be added to wind shear measurement systems now installed at 58 airports around the country. Walt Knopik is Project Engineer and Marvin Edgeworth has software responsibility for this contract.

In two other orders, a Wind Shear monitoring system is scheduled for delivery to Chicago's O'Hare airport, and a Navy Wind Shear system was installed this month at Patuxent River, Md.

The Low Level Wind Shear System ordered for the U.S. Navy Air Test Center, Patuxent River, Md., is the first utilization of our Wind Shear system at a military installation. Jim Apperson and George Zimmerman did the installation in Maryland, and Bob Petrey is scheduled to teach a training course on the equipment at the Navy installation shortly.

## BOWLING CHAMPS WIN AWARDS

The Fairchild Weston Mixed Bowling League Roll-Off took place on April 25 at South Gate Lanes, and the winning team is: Carol Waters, Paul Copen, Bobbie Copen and Ray Shuford.

The Second Half winners beat the First Half winning team which consisted of Henry Lamb, Evelyn Christian, Bill Burchette and Phyllis Brown.

New Officers for the coming year's bowling league are: President Ray Shuford; Vice President Paul Copen; Secretary Debbie Woolard, with Pat Lahmers as back-up Secretary.

Awards presented at the April 28 bowling banquet included:

High Series Scratch -- Ray McPartlin, 720 & Phyllis Brown, 630

High Game Scratch -- Rick Mitchell, 259 & Judy Katarskas, 235

High Series Handicap -- Sam Miller, 745 & Betty Huffman, 724

High Game Handicap -- Larry Foster, 292 & Donna Andrews, 266

Most Improved -- Bill Burchette, +12 & Judy Katarskas, +15

High Average -- Ray McPartlin, 189 & Doris Pruitt, 172.

# PRETTY STONES, OR SPARKLING GEMS -- THESE ROCK

Rocks, stones, gems, or fossils -- they hunt them, polish them, collect and buy them, or mount them in jewelry. Call them Rock Hounds or Lapidaries, these employees are having fun.

Their interests range from "pretty rocks" and sparkling gem stones to amateur paleontology (studying past geological periods from fossil remains) or archeology (studying the remains of the culture of a people).

MARVIN EDGEWORTH (Telemetry Software Engineer) is into polishing and faceting. "That means making flat spots on rocks and polishing the flat places," Marvin explains. "Common materials I work with are rubies, sapphires, emeralds, aquamarines and amethysts, and they can be just kept and admired, or mounted in rings, pendants, earrings, etc. My wife Arnee likes to do the jewelry -- I'm into faceting."

He gets his stones at rock shows, shops, or via mail order. A good amethyst can be purchased "rough" for 50¢ to \$1.00 per carat. When finished, it might be worth \$10 to \$100 a carat, he explains. The advantage, beside cost, is the unique designs the craftsman or artist can create.

Marvin spends two hours and up on each stone, depending on the size, material, and complexity of the cut. The rock is glued to a metal stick, which in turn is held by the grinding machine to allow precise, repeatable angles and rotational positions. The stone is held against flat plates, called laps, and there are usually three steps -- 1. Grinding to shape with diamond "sandpaper" (180 to 360 grit); 2. Smoothing, with diamond "sandpaper" (600 to 1500 grit); 3. Polishing with plates of various materials, depending on the stone.

The number of facets might be just 17 for a small stone, or up to 300 or more for larger stones and the more complex designs. The angles and optical characteristics vary, depending on the refractive index of the material -- quartz, sapphire, etc. His interest in rocks goes back about eight years. First, he and his family started collecting and polishing stones. Next he worked in cabbing -- rounding stones such as jade and opal. Then he expanded his equipment to saws and grinders for faceting, which requires an investment of \$600 and up for the equipment.

Marvin was Program Chairman of the Manasota Rock and Gem Club, and frequently travels to rock and gem shows. The local Club offers a variety of workshops -- fossils, mineral specimens, cabbing, faceting, silver smithing, wax working, casting -- for interested individuals, even non-members.

ED BURNS (Plant Engineering) and his wife Jean are into all kinds of rock and gem collecting. Jean described their collection as a "garage full of rocks." The specimens include Montana agates from river beds in Miles City, Montana; fossils and jade from Medicine Bow, Wyoming; Texas plume agates from Alpine, Texas; rubies and sapphires



*Lillian Eger, Carolyn Smith and Margaret Dill admire the ruby and topaz stones set in their rings. Ed Burns is holding an 18-pound hunk of sparkling fluorite or amethyst, and Marvin Edgeworth displays a block of British Columbian jade.*

from North Carolina. They derive their pleasure from field trips to find the rocks. Ed cuts and polishes, but jewelry making may come some time in the future.

"Things of nature have always been interesting to us, and we became Rock Hounds about 11 years ago," Ed explains. "We lived in Cedar Falls, Iowa, and met an interesting man, known as The Rockhound Trader, who taught us how to cut, polish, and identify rocks. He remains a very good friend."

Ed and Jean read "Lapidary Journal," and "Rock and Gem," and visit the shops and attend gem shows.

Lillian Eger, Margaret Dill, and Carolyn Smith have all done their gem "mining" around Franklin, N.C. They have some precious and semiprecious stones -- rubies, sapphires, garnets -- which they collect or have mounted in jewelry.

CAROLYN SMITH, of Production Control, has a blue-white topaz, of about six carats, mounted in white gold, for a very attractive ring. She also has ruby earrings set in gold. "You have to remember that 'gem' quality rubies and sapphires are rare," Carolyn explains. "We have two or three sapphires that are 75 to 85 carats each, and enjoy collecting the stones when we go to North Carolina."

LILLIAN EGER, of our Encapsulation Lab, has one ruby which was made into a ring, and she has quite a few garnets. She enjoyed sifting through the buckets of soil and stones, as the water flowed over the filters, at the Franklin, N.C., mine she visited.

MARGARET DILL, of Production, has a collection which includes a structured star sapphire from the gem mines in Franklin, N.C. But her favorite "rock" is an early Indian artifact, found by her father near Hudson Bayou in Sarasota.



# K HOUNDS LOVE THEM ALL !

The baseball-sized black rock has an Indian face deeply carved into it.

"My dad was spading up the garden, and found this carved stone. Through the Sarasota Historical Society and some State Archeologists, it was identified as a Florida native artifact of the Weeden Island era, and dated approximately 700-1400 A.D.," Margaret said. "To me, it is more precious for its historical value than any of the stones I might ever find in a North Carolina gem mine."

## ??? DID YOU KNOW ???

- That Data Systems Division has 146 Retirees, as of April, 1984.
- We have 26 active employees who are eligible for the "Rule of 85" under our new, improved Pension Plan. These employees are fully vested in the Pension Plan, and can elect early retirement at full Company pension, with no reduction, any time after reaching age 55.
- There are 141 Data Systems Division employees who have over 20 years of service with our Company.
- That 43 employees have signed up to join the Sarasota Family YMCA through weekly payroll deductions. And you can still join. Call Personnel for details.
- The cost of electricity for our plant in 1983 was over \$679,000. Our monthly power bill ranged from a low of \$46,500 to a high of \$66,400 during 1983.
- The idea for this "Did You Know" column was suggested by Ray Shuford. Thanks, Ray.

## IT WAS GRADUATION DAY FOR THESE "STUDENTS"

April 19 was graduation day for 17 employees who completed the latest Dimensioning and Tolerancing Course. The series of classes is being taught by Chuck Jones and Mike Gerack for employees involved in interpreting drawings or blueprints.

The courses are aimed at a uniform understanding of the language of Engineering and Manufacturing drawings, as we move toward the use of standard symbols and drawings, per ANSI Standard 14.5Y.

Employees who completed the current course represented areas such as Quality Assurance, Machine Shop, Manufacturing Engineering, and Design and Drafting. The new "graduates" are: Jack Boehner, Ken Clair, Dave Clouse, Dave Cobb, Ron Connolly, Bill Fincher, Marvin Land, Norris Henderson, Ray Nervina, Don Norris, Dick Peck, Phil Stockton, Stan Stortz, Tom Toler, Dick Veigel, Mike Venneman, and Ray Wilson.

## MIS INFORMATION CENTER OFFERS SOME NEW GOODIES

New software and training aids are available for IBM Computer mainframe terminal users and PC (Personal Computer) users. Just call the MIS Information Center, X386 or X375, to sign up.

For IBM terminal users:

- Message Exchange System (electronic mail) -- provides sending, receiving, copying, and distribution of messages, meeting notices, texts, etc., scheduling of meetings, events, resources, etc. and "flash broadcasting" of emergency or critical messages.
- Information Query System (FQS) -- provides authorized individuals with secure access to various databases such as the item master, inventory, shop floor, BIS, etc., to allow the user to formulate his own information request. FQS provides the user with the ability to select, sort, and display required data by responding to prompting questions on a terminal screen. No programming knowledge is required.
- 3-Dimensional spreadsheet (OMNICALC) -- provides a basic spreadsheet to all IBM terminal users. An array up to 255 columns by 255 lines by 255 planes is available for formulating models, financial planning, forecasting, departmental budgeting, record keeping, etc.

For IBM PC users:

- "Introduction to Lotus 1-2-3;" a complete training system from LEARN-PC Video Systems -- provides a videotape, demonstration computer diskette, guidebook and command chart. This is a user-friendly system for training beginners and experienced computer users with a self-paced, step-by-step, "hands-on" procedure.
- KNOWARE, a personal computer learning experience -- provides training with spreadsheet, word processing, database management, Basic programming, graphics, and financial decision support. And it's fun! In KNOWARE you begin as a 25-year-old mail clerk in a company. You have 60 years to climb the corporate ladder until you become Chairman of the Board and amass a million dollars through promotions, salary increases, bonuses, and personal investments.

The MIS Information Center facilities are available for sign-up by all Data Systems Division employees. Use of the facilities during working hours requires the approval of your Supervisor. The center is open from 7 AM to 6 PM daily.

## PROGRAMMING SCHOOL HELPS PREPARE FOR NEW MACHINE

In preparation for a new Monarch Vertical Machining Center due to be installed in our Machine Shop in June, four employees traveled to Cortland, N.Y., during April for a week of intensive programming instruction.

Attending the Programming School at the Monarch plant were: Al Marion and Bud Steinhoff, of Fabrication Engineering, and Paul Shetler and Don Stover, of our Machine Shop. The instruction introduced operators and programmers to the various commands used to control all the built-in machining functions of this very advanced new computerized machine.

The men witnessed a demonstration of the Vertical Machining Center and its control's abilities during a Monarch plant visit. The material was a steel block, and the first cut removed metal at a rate of 10 cubic inches per minute. Then a hole was made, holding the diameter to  $\pm 0.0005$  inch. In another operation, holes were tapped with a 4-40 tap, one-half inch deep, at a rate of 20 holes per minute.

To achieve this kind of precision performance here, our Manufacturing Engineering and Metal Machining personnel are already at work on developing the programs for some of the first items to be machined on the new Monarch Vertical Machining Center. Programs are being prepared for machining the transport castings, side frames, and bezels on the Model 80, Model 80T and Model 9 respectively.

## QUALITY CIRCLES ? -- WHAT ARE THEY ?

There are currently 15 Quality Circles at Data Systems Division, and more to come. What do these Circles do? What is happening in the Quality Circles movement elsewhere?

A recent article by Edward Wakin provides some background on the status of Quality Circles. ("Quality Circles: Business Goes for the Golden Ring," Today's Office, May 1984, pp. 54-56 ) Here are some excerpts:

In 1977 only five U.S. business locations had Quality Circles. Now 10,000 U.S. locations have Quality Circles... Ten years ago, the first major quality circle program in the U.S. was introduced at Lockheed Missile Systems Division... In 1978 the International Association of Quality Circles (IAQC) in Cincinnati had 200 members. Today there are more than 7000.

"A people-involvement movement" is the way Quality Circles are described.

What are Quality Circles? "A small group of people, doing similar work, who voluntarily meet on a regular basis to learn and apply techniques for identifying, analyzing, and solving work-related problems." ... Management and employees are "working together to improve the quality of products and work life."

## HAPPY MOTHER'S DAY FOR OUR CONTEST WINNERS

Congratulations to our three Mother's Day contest winners who enjoyed free lunches and African Violets, compliments of Wometco Cafeteria.

Fathers -- don't despair. Who knows what surprises are in store for Father's Day.



*NEWEST MOTHER (back to work) was Joanie Odzic, at right, receiving her prize from Jane Hattaway. Adam Shaun Odzic was born January 14.*



*MOTHER WITH THE MOST CHILDREN -- Dorothy Martin (left), mother of four sons and three daughters, is pictured here with Jane Hattaway.*



*MOTHER WITH THE LARGEST FAMILY -- Kathy Ling, at right, has six children, five stepchildren, and 25 grandchildren. Jane Hattaway congratulated Kathy.*



## Q & A ABOUT BENEFITS

- Q. I am over 55, and could elect early retirement. If I should die tomorrow, would my wife be eligible to sign up for the Early Retirement Insurance Benefit? I realize that when she turns 65 the Early Retiree insurance coverage ends.
- A. Yes -- if your spouse was covered under our group medical plan for at least three months prior to the date of your death. If the employee is not covering the spouse under our medical insurance plan, then the surviving spouse would not be eligible for Early Retiree insurance coverage.
- Q. In planning for retirement, I went to the Social Security Office to find out the amount of my Social Security benefit. The figure they gave me is different than the estimated Social Security benefit in our annual Benefits statement which we received from the company. How come?
- A. Each person's Social Security benefit is a very individual thing. Some employees have worked all their adult lives and have full Social Security coverage ... others may have had Social Security coverage for only a few years of employment. Please be sure to read "How Your Report Was Prepared," at the end of your Benefits Employee Benefits statement. This statement describes the assumptions that are made to calculate your Social Security benefit, based on the law in effect on the date of the report. (For example, it is assumed that you paid Social Security taxes every year beginning at age 22, or 1951, if later.) The benefits shown in our Benefits report should be regarded as estimates only, based on the best information available at the time.

*SPECIAL NOTE FROM OUR BENEFITS OFFICE -- A number of employees have taken time to let us know how appreciative they are of the company's medical plan. When bills add up to \$50,000 or \$70,000, it is a great help to have a medical plan that pays all covered expenses except \$1,100. On behalf of the company, and for myself, I'd like you to know that your thanks are special to us.*

*Wendy Schroyer  
Benefits Coordinator*

## CONGRATULATIONS !

TAMY CALIFANO (Production Control) and her husband Vincent are the happy parents of a baby girl, Kimberly Dawn, born on May 2. Kimberly weighed in at 6 lb. 8 oz.

PEGGY LONG (MIS Systems & Programming) and her husband Robert welcomed their new daughter, Stephanie Ann, on May 18. The baby weighed 9 lb. 3 oz. at birth.

## DALE GRAY JOINS LIST OF RETIREES



*New Retiree Dale Gray, of our Test Department, is heading West in his motorhome.*

Technician Dale Gray embarks on his newest career as a Retiree effective June 1, 1984. Dale joined our company in November, 1959, after retiring from active Navy duty. He worked with Analog (FM) products in Engineering and later in Test.

Dale's Navy career spanned 24 years, and took him to all parts of the world. He was at Pearl Harbor on December 7, 1941, the day of the Japanese attack. Subsequently he was in various engagements in the Mediterranean (North Africa) and later through the Pacific during World War II. His Navy electronics and communications activities ranged from teaching to shipboard operation, maintenance and repair of radar, communication and sonar equipments. At sea, he was on a wide variety of ships -- an attack transport, communications command ship, a repair ship, escort carrier and a seaplane tender.

Dale is preparing for an extensive trip in his motorhome, across the USA and up to Vancouver and Victoria, through the Canadian Rockies, and back home. His plans include travel, fixing up his house, some fishing, and enjoying his grandchildren -- son Bob's two boys, and daughter Kathleen's little girl.

"I couldn't have found a better place to work with nicer people," Dale said. "I'm going to miss saying good morning to the folks here." Bon voyage, Dale. You will be missed.

## QUALITY CIRCLE MEMBERS GET CONTINUING TRAINING

Quality Circle Facilitator Tom Hackett is offering on-going training sessions on Fridays during the next few months for those Quality Circle members who have not had the opportunity to complete the regular training. This formal Quality Circle training prepares Circle members and Leaders to utilize a variety of problem-solving techniques to analyze and solve problems, or develop improved ways of doing things -- at work and elsewhere.

## HAPPY ANNIVERSARY!

Major service milestones were observed by five Data Systems Division employees this month, including Lillian Eger, who completed a quarter of a century of service with our company in Sarasota on May 11.



*Congratulations to: Jimmy Matthews (5 years); Earl Studen-walt (10 years); Phil Luquette (10 years); Lillian Eger (25 years), and Dave Taylor (5 years).*

## REPRO AND PHOTO LAB PREPARING TO MOVE

Moving has started on the relocation of our Reprographics and Photo Lab operations from their site in the Engineering area of the building to a new central location in the L-2 Building, near our new Snack Bar.

"Our Plant Maintenance personnel are renovating the new area for the move," said Bill Shaw, Security and Facilities Manager. "The space being allocated for the Photo Lab, a Photography Studio, and the Reprographics area will enhance the overall operation."

Other planned improvements will include having Telemetry Sales literature stocked in Reprographics, and moving phototypesetting to Reprographics. The Gerber Plotter, formerly in the CADDs area, has been moved to the new Photo Lab area, so that printed circuit board art work can be run, developed, and checked in the same location.

The central location for these services should be advantageous for many departments throughout the plant, Bill Shaw said. The entire move may not be completed until mid-July.

## GOOD DEEDS DEPARTMENT

Seventeen employees have completed our in-house CPR training in the life-saving techniques of cardio-pulmonary resuscitation. Within a week after completing the course, one Data Systems Division employee happened upon an accident scene in Sarasota where a victim needed CPR. He was able to step in and assist until professional help came. Although he prefers to remain anonymous, his colleagues salute him for giving help when it was needed. Occupational Health Nurse Debbie Graham, who serves as CPR Instructor, will be teaching another CPR course soon.

## TUTORING CLASSES TO BE OFFERED HERE

Plans are underway at Data Systems Division for tutoring classes for individuals who are interested in developing reading and math skills and for those interested in taking the GED exam. GED stands for General Educational Development. The GED program leads to the equivalent of a high school diploma.

An orientation meeting will be held on May 31 in the Cafeteria to discuss details. More than 25 employees have already indicated they would like to enroll in the tutoring program. For more information, please call Dexter Nash, Ext. 553.

The tutoring classes are sponsored by Data Systems Division in cooperation with the Sarasota Vo-Tech Adult Continuing Education group.

## MANUFACTURING ENGINEERING MEETING HELD IN SARASOTA

Manufacturing Engineering Managers from 12 sister Divisions met in Sarasota May 9-11 for their seventh annual conference. Data Systems Division hosted the meeting which gives the Divisions an opportunity to exchange ideas in the area of manufacturing technology and systems. There were 21 attendees, including representatives of our own Manufacturing Engineering group.

Presentations included:

EMR PHOTOELECTRIC, Princeton -- Micro Analysis for Process Control

WESTON CONTROLS, Archbald-- D Class Group Technology (grouping & identifying families of components through a parts number system)

ENERGY MANAGEMENT, Rabun -- Flexible Manufacturing Equipment for Transformer Assembly

SANGAMO, Toronto -- Cost Reduction, Single Phase Meters

ENERGY MANAGEMENT, Oconee -- Automatic Calibration of Single Phase Meter

SANGAMO CAPACITOR, Pickens -- Flow Through Production Lines

FWSI, Syosset -- Facility Upgrade for Productivity

FWSI, Sarasota -- Shop Floor Reporting Systems

A tutorial was given by Consultant Nello Zuech, of Vision Systems, on "Computer Vision," which involves aiding manufacturing processes and inspection by electronic imagery -- viewing parts through a combination of electronic and photographic inspection. The electronic imagery technique is becoming more useful in the continuing effort to improve quality and productivity. Manufacturing Engineering Manager Frank Bloechl noted.