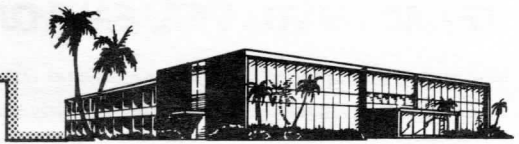




**FAIRCHILD WESTON
SYSTEMS INC.**



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



**30 YEARS OF PROGRESS
IN SARASOTA THIS YEAR**

VOL. IX, NO. 10

OCTOBER, 1987

WE DID IT!

**DIVISION REACHES NEW RECORD
WITH 2,000,000 SAFE HOURS !**

Data Systems Division employees have achieved a new record of 2,000,000 hours without a lost-time accident!

Congratulations to all employees who have made "Think Safety" a part of every day. Your safety awareness has made it possible to score a new safety record -- and to avoid those painful injuries. At press time, the Division has surpassed two million hours without a lost-time accident. . be careful out there!

**FIFTIES DANCE COMMITTEE
PLANS NOVEMBER 14 EVENT**



Working on Fifties Dance plans are: (seated) Evelyn Christian, Naomi Sundstrom, Barbara Rich. Standing, Rick Englund, John Elliott, Linda Lotz and Don Parker.

Members of the Fifties Dance Committee are finalizing plans for the November 14 gala event to be held at the Sarasota Exhibition Hall. Music will be by "Headliner," a group of six musicians.

The Fifties Dance is another event in Data Systems Division's year-long celebration of "Thirty Years of Progress in Sarasota." Members of the Thirty Years Internal Committee working on the Dance arrangements are: Co-Chairmen Rick Englund and John Elliott, Evelyn Christian, Rick Greenawalt, Linda Lotz, Don Parker, Barbara Rich, Jeanne Ruth, Naomi Sundstrom

Doors will open at 7 p.m., and music starts at 8 p.m. to 12:30. Please check bulletin boards for additional details about the Dance.

**BEAUTIFUL WEATHER
AND A SUPER PICNIC!**

Over 2000 employees and their families attended Data Systems Division's Family Picnic at Elks Park on Saturday, October 17.



There were ribs, chicken, hamburgers, hot dogs, and all the trimmings, plus beer and soft drinks...talent/gong show...diaper derby...toddlertrot...carnival games...moon walk...face painting...clowns...balloons...a mime...mini circus...volleyball, earth ball, tug-of-war, golf, horseshoes, egg toss, pie toss...Bingo...door prizes...match game...music...and more!

No wonder Committee members and volunteers are winning accolades for a great picnic! Dexter Nash, who coordinated the event, expressed his appreciation to all the volunteers and Committee members: "Sincere thanks to each and every one who helped with the Picnic. You all did an excellent job in putting on a very successful event."

(Cont'd on Page 7)



SOME OF OUR RETIREES AT THE PICNIC.

AN EQUAL OPPORTUNITY EMPLOYER M/F/H/V

TEAM INVOLVEMENT CIRCLES MARK FIVE YEARS OF PROGRESS

There was ample reason to celebrate! Data Systems Division's Circles program observed its fifth anniversary on October 9 with a party for hundreds of employees who are currently participants in Team Involvement Circles.

Awards were presented to two "Circles of Excellence," as well as for the Outstanding Project, and Leader of the Year. Special recognition went to:

NEW IMAGE – Circle of Excellence, representing office support personnel, with Cindy Cole and Berenice Henderson as co-leaders.

WRITER'S BLOCK – Circle of Excellence, representing Technical Writers, with John Wood and Carlo Mammelli as co-leaders.

OUTSTANDING PROJECT – Computer-Aided Publishing (Writer's Block) with John Wood and Bill MacNeill as co-leaders.

LEADER OF THE YEAR – Phil Luquette, Leader of "Level Two Crew."



WINNERS OF CIRCLE OF EXCELLENCE AWARD -- NEW IMAGE Circle members (seated) Pat Zieschang, Terry Cori, Cindy Cole, Berenice Henderson, Chris Lawson. Standing, Debbie Sutor, Cindy Mathews, Baba Marrero, Julie Soderquist, Karen Peterson.

The Circles movement at Data Systems began in 1982, when management wholeheartedly supported the idea of starting a Quality Circle program at this plant. Dexter Nash, our first Circle Facilitator, was instrumental in introducing the concepts of Circles, initiating the training and educational process, and helping employees establish seven Circles during the early months of the program.

The Circles grew, problem-solving techniques were adopted, more complex projects were undertaken, and employee involvement became a way of life for Data Systems employees and management. Tom Hackett was our second Facilitator, followed by Freddie Masse, and more recently by our newest Facilitator, Phil Luquette, who progressed through the ranks with five years of employee involvement experience.

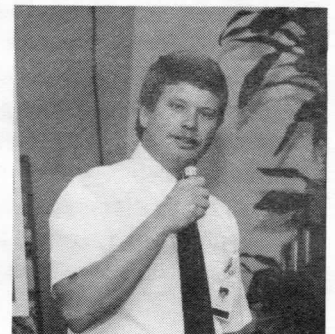
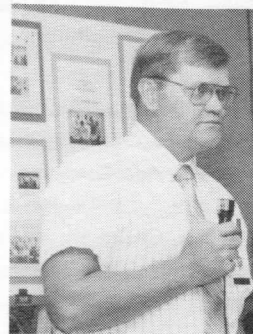


WINNERS OF CIRCLE OF EXCELLENCE AWARD -- WRITER'S BLOCK Circle members (seated) Sue Nurczyk, John Wood, Carolyn Peet, Carlo Mammelli, Mark Hanigan. Standing, Dale Munson, Harold Leslie, George Emigh, Mike Andreotta, Bill MacNeill and Scott Havens.

Currently there are 22 Circles and over 200 Team Involvement Circle members. Along with growth has come an evolution to more complex structure, from small groups of employees who worked together for the same supervisor, to cross-departmental, and inter-departmental, and cross-functional groups. Projects have become more complex, and problem-solving techniques more sophisticated. Solutions are having a greater impact on our profit-and-loss status -- "the bottom line."

"Employee involvement takes many forms," General Manager Carl Schleicher noted in his talk at the circles 5th anniversary celebration. "Managers more regularly share information about how the employees and the departments are doing, and solicit employees' inputs for improvements. These are tangible expressions of management's acceptance of the idea of employee involvement," Mr. Schleicher said.

Other speakers at the Fifth Anniversary celebration were Bob Wallace, who mentioned his favorable experiences with Circles and employee involvement over the past five years, and Rick Greenawalt who commended the Team Involvement Circles for improving communications throughout the Division.



Bob Wallace (left) and Rick Greenawalt addressed the Circle members during the 5th anniversary celebration of our employee involvement program.

TEAM INVOLVEMENT CIRCLES

"There are two ways to create and sustain superior performance over the long haul -- to take exceptional care of your customers (both internal and external) through good service and quality, and to be constantly innovative," Facilitator Phil Luquette said. "Employee Involvement Teams greatly enhance this type of creative effort."



General Manager Carl Schleicher presented the "Outstanding Project" award to Bill MacNeill and John Wood, in recognition of the significant group effort which went into the study and justification of the Computer Aided Publishing project.



Carlo Mammelli, John Wood, Phil Luquette, Berenice Henderson and Cindy Cole accepted awards at the Team Involvement Circles 5th anniversary party.

FAIRCHILD WESTON GIVEN AWARD BY EASTER SEALS

Fairchild Weston was honored as 1987 Customer of the Year by Easter Seal/Happiness House at a ceremony on October 20. The plaque, from the Easter Seal Society of DeSoto, Manatee and Sarasota County was awarded to Fairchild Weston in recognition of the work opportunities offered to Happiness House clients.

Data Systems Division has contracted with Easter Seal/Happiness House Rehabilitation Center for small component packaging and outside grounds cleanup. Dexter Nash, of Personnel, accepted the award for Fairchild Weston at the Easter Seal Society membership meeting and awards ceremony on October 20 at Happiness House, on Braden Ave., Sarasota.

NEW TELEPHONE SYSTEM COMING; INSTALLATION IS NOW UNDERWAY

A brand new telephone system for Data Systems Division has been selected and installation is underway, with the cutover date scheduled for December 12. Monday, December 14, will be the first business day for the new system.

An intensive eight-month study and search for the right system occupied the attention of a committee which included Gary Bowers, Dale Dennis, Beth Jenkins, Charles Morina, Fred Paine, Bill Shaw and Debbie Sutor.

The new system, known as the Mitel SX-2000, has many new and useful features for user convenience. Training sessions will be scheduled during November for those employees who are the heaviest telephone users, according to Charlie Morina, of Test Engineering.

"Our present system is almost ten years old and just about running at capacity," said Bill Shaw, Director of Security & Safety. "Any new large contracts which would require expansion could probably not be handled, and it is becoming more difficult to find parts for the old system."

The investigation to find a new system involved many considerations -- procurement costs; lifecycle costs; how the new system fits our anticipated needs for the next five to ten years; maintainability; serviceability; ability to do our own in-house programming for system changes, and many other factors.

Data Systems Division has approximately 600 telephone instruments in Sarasota, and is a heavy user of domestic and long distance lines. Good telephone service is an important asset for a multi-million dollar business, and cost savings are also vital for this big monthly expense of doing business.

Most of the installation of the new system is being done after hours, and should be "transparent" to most employees.

Employee training sessions will be held for groups of 10 to 15 employees to acquaint users with the new system. At that time employees will be introduced to the new instruments and the variety of new features available.

One new feature for employees will be some "convenience phones" for departments with large numbers of employees. It is hoped this will ease the inconvenience some employees have experienced in trying to use pay phones for important local personal calls during break time and lunch periods. All pay phones will be removed except the one in the main Lobby.

In addition, "courtesy phones" for replying to internal paging will be located throughout the building, such as in the Breakaway area, and near copying machines.

WELCOME ABOARD TO SOME OF OUR NEW COLLEAGUES!

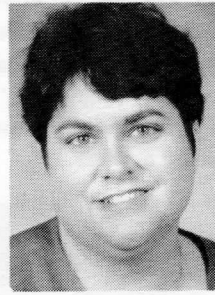
Introducing some of our new employees who joined Data Systems Division recently.

Happy to have you with us, and we look forward to working with you to achieve the Division's goals.

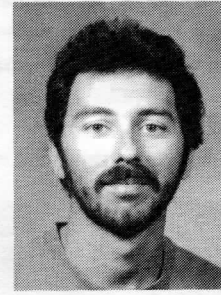
Welcome!



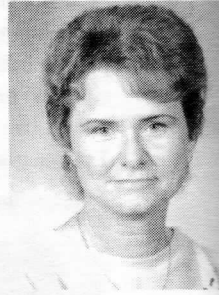
LE ROY BENTON
Principal Program Mgr.
Signal Processing



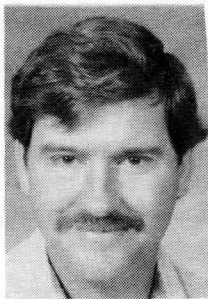
ROBIN BROWN
Senior Planner
Production Control



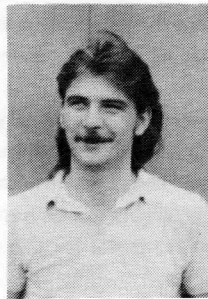
JIM CASTEEL
Machinist
Machine Shop



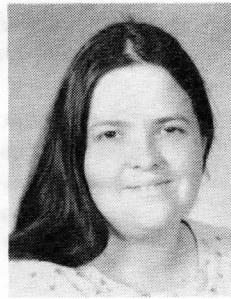
JOYCE COLE
Assembler
Recorders Assembly



RICH CROWLEY
Senior Engineer
Signal Processing



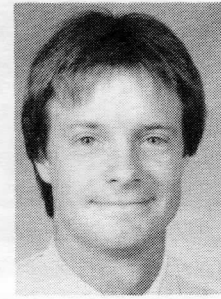
MIKE CURI
Machinist
Machine Shop



LINDA DUDLEY
Assembler
Systems Assembly



BETH ELINSKI
Assembler
Telemetry Assembly



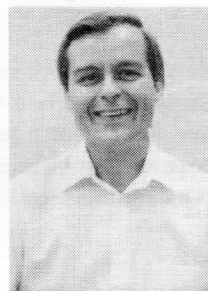
BOB HANNON
Scientific Programmer
Signal Processing



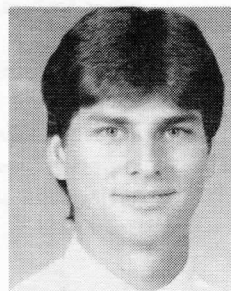
PATRICIA HOLMES
Program Librarian
Recorders Engineering



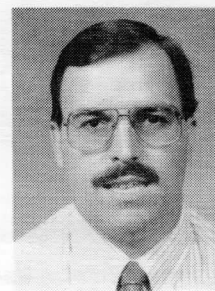
VIVIAN HUNTER
Assembler
Recorders Assembly



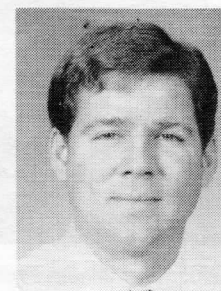
TOM JACKSON
Technician
Recorders Test



BARRY A. KNOWLES
Engineer
Signal Processing



TED KWARCINSKI
Sr. Administrative Buyer
Purchasing



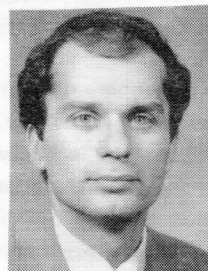
DOUGLAS LANDON
Scientific Systems Analyst
Signal Processing



BUNNY MC FARLAN
Assembler
Systems Assembly



JOANNA HUONG NGUYEN
Assembler
Telemetry Assembly



DENNIS POTOKA
Security Supervisor
Security



DREW REYNOLDS
Scientific Programmer
Signal Processing



TERRY ROMINE
Mat'l Attendant Helper
Stockroom



KATHY RUTHERFORD
Assembler
Recorders Assembly



CHERYL SHEETS
Assembler
Telemetry Assembly

COMPUTER AIDED PUBLISHING SYSTEM BEING INSTALLED

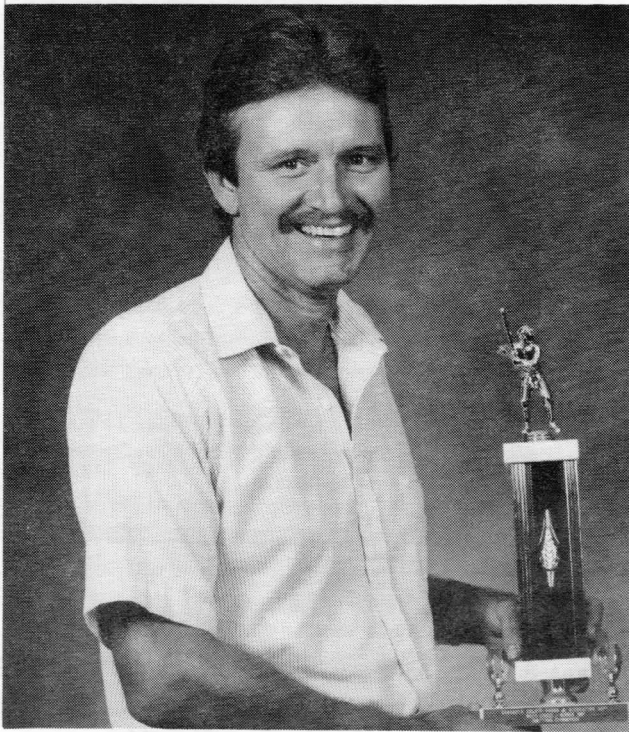
A new Computer Aided Publishing System is being installed this month to help bring Data Systems Division's Technical Publications operations to a state-of-the-art level. The initial phase of the CAP system arrived on October 14.

Installation of Phase One of the Kodak EKTAPRINT Electronic Publishing System (KEEPS) marks the start of implementation of a WRITER'S BLOCK Circle project that began in early 1986. The group's goal is to improve the efficiency of the Publications process in measurable increments.

The WRITER'S BLOCK was named co-Circle of the Year in 1986 and 1987, and the CAP System project was the 1987 Circle Project of the Year. The WRITER'S BLOCK includes members from Telemetry Publications, Recorders Publications, and Signal Processing Systems.

"Computer Aided Publishing is intended to increase productivity for the Technical Publications process by a factor of 30%," according to John Wood, Co-Leader of the WRITER'S BLOCK Circle and Senior Technical Writer in Telemetry Publications. "We expect improved quality and, because of its interdepartmental application, it will eventually aid in writing proposals, marketing literature, and specifications.

YEAGER WINS BATTING TITLE



JOE YEAGER (Stockroom), who plays on the Fairchild Data Systems Division Men's Softball team, captured the batting championship for the Summer County White League. Joe plays outfield. His average was an outstanding .644 -- 29 for 45. Currently the two Fairchild men's softball teams play on Tuesday and Thursday evenings.



COMPUTER AIDED PUBLISHING EQUIPMENT ARRIVES — Poised to unpack the first CAP unit: (kneeling) Mark Hanigan, Carlo Mammelli, John Wood, Mike Andreotta. Standing, Don Lignore, Sue Nurczyk, Scott Havens, Bill MacNeill, George Emigh, Carolyn Peet, John Talbot, Freddie Masse, Jon Wolf.

When Phase One of the CAP installation is completed, KEEPS will be in Telemetry Technical Pubs, Recorder Technical Pubs, and Technical Illustrations. The Phase One package, valued at approximately \$350,000, includes five Document Composition Stations, three File Servers, three Graphics Consoles, three Laser Printers, five DECNET Interface Units, and a Text/Graphics scanner.

Features of the new CAP System include full-screen display of a Document page in the same format as hard copy, on-line integration of text and graphics, the ability to bring existing archived text and graphics on-line via a scanner, and full communications with all other FWSI computerized systems on the DECNET Interface.

CONGRATULATIONS!

TOM BRAY (Recorders Engineering) and his wife Claire welcomed their new son Timothy Christian on September 24. Young Timothy weighed 5 lb. 6 oz. at birth.

LAURA GAINES (Telemetry Software) married Peter Deninger on October 9 in a Sarasota home wedding.

SCOTT ROWE (Signal Processing) and his wife Leslie are proud parents of a new daughter. Shannon Lee arrived on October 5 and weighed 7 lb. 10 oz.

GREG BROOKS (Quality Assurance) and his wife Dinah have a new son Samuel Zachary, born in Tampa on October 22. He weighed in at 7 lb. 1 oz.

FLOAT IN VENICE PARADE

A group of hard-working volunteers took our parade float, celebrating Data Systems Division's "30 Years in Sarasota," to Venice to participate in the Venetian Sun Fiesta parade on October 24. The float was constructed and decorated entirely by employee volunteers to commemorate the Division's 30 years of progress in Sarasota this year.

SERVICE ANNIVERSARIES INCLUDE EMPLOYEES MARKING 25 & 30 YEARS

Special anniversary greetings to four of our long-time colleagues who this month reached service milestones of 25 and 30 years -- MARGARET DILL and TOM TOLER (30 years) and RUTH GENTZLER and LEN ZEILER (25 years)! Congratulations to these veterans, and to the employees celebrating 15, 10 and 5 years of service during October, pictured here.



Happy October service anniversary to: Fred Hittel (10 yrs.), Margaret Dill (30 yrs.), Ruth Gentzler (25 yrs.). Back row: Russ Phillips (10 yrs.), Len Zeiler (25 yrs.), and Tom Toler (30 yrs.).



Anniversary greetings to: Rita Balleroni, Betty Hunt, J.J. Jeannette and John Dezzi, who mark 10 years of service during October. In the back row: Richard Bridgman (15 years); Dianne Hammond, Eric Hogberg, and Mark Stone, who completed 10 years of service. Missing from this photo is Richard Painter who completed five years of service this month.

LEVEL TWO CREW MAKES PRESENTATION TO IAQC

Members of Data Systems Division's Level Two Crew, one of our Team Involvement Circles, gave a presentation to the Tampa Bay Chapter of the International Association of Quality Circles in Bradenton in September.

Representing the Circle members were Phil Luquette, Scotte Havanaugh, Dick Dungan, and Rob McLendon. They presented the group's findings on Electrostatic Discharge (ESD) control. The Level Two Crew has conducted an

REMEMBER WHEN ...

Celebrating 30 Years of Progress in Sarasota OCTOBER EVENTS OF THE PAST

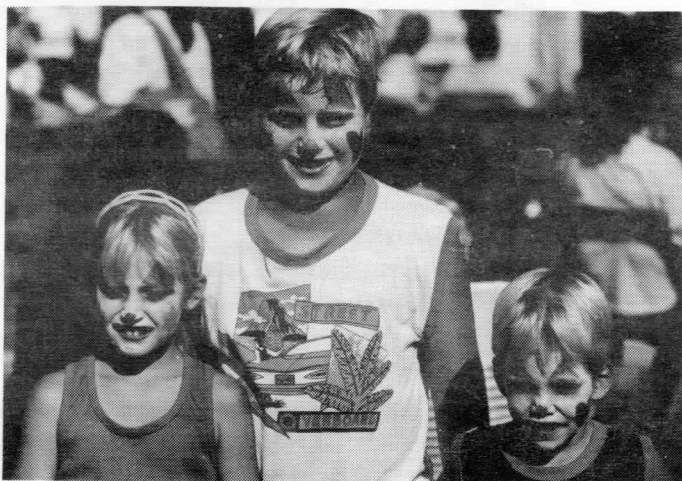
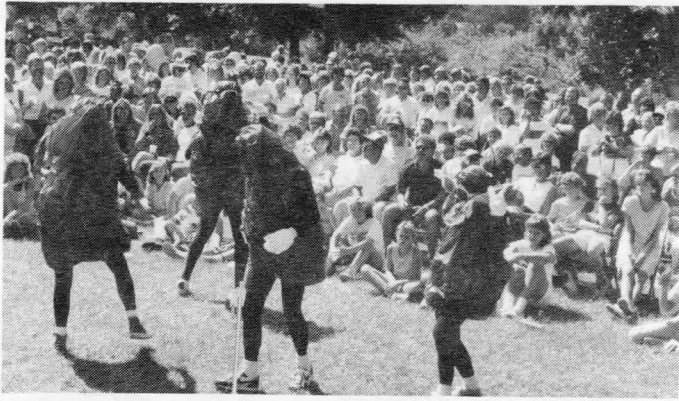
- 1969 EMR-Telemetry was awarded a contract for an advanced computer-controlled processing system to handle flight test telemetry data for Lockheed's new L-1011 TriStar.
- 1970 Reubin Askew, candidate for Governor of Florida, visited EMR-T on October 23 accompanied by Sarasota Mayor Jack Betz and reporters, including CBS TV Newsman Roger Mudd. News film of the visit was carried on Walter Cronkite's evening news program.
- 1972 A new telephone system, incorporating the latest electronic improvements, has been installed at EMR-T and becomes operational this month.
- 1975 Pat Bowers was promoted to the position of Supervisor in Assembly. Pat, with EMR since 1963, is the first woman to become an EMR Assembly Supervisor.
- 1980 Robert Williams' interest in studying mushrooms as a serious hobby has led to his becoming a published author in the field of mycology. His article, "A Key to Some Boletes of the Deep South", provides a technical guide to the person who is interested in the serious study of mushrooms in the Florida area.
- 1983 Applications Engineer Jud Strock is the author of a new volume on telemetry systems entitled "Telemetry Computer Systems - An Introduction". His book is the first telemetry book published in more than a decade and the first ever to describe the computer in a telemetry system.

(Items gleaned from past issues of PULSE by Dale Woodland, member of your 30 Years in Sarasota Committee)

intensive study of the ESD problem in the electronics industry, and its effects here.

Dave Clouse, of Operations, attended the meeting and commended the Circle's presentation. He was impressed with the positive feedback during the question-and-answer period. Representatives of the Level Two Crew have also recently attended an international symposium on ESD in Orlando.

COMPANY PICNIC HAD SOMETHING FOR EVERYONE



TALENT/GONG SHOW -- 1ST PLACE, Tricia & Michael McDee (8 and 10), violin duo; 2ND PLACE, Susie Carrico & Mike Phillips, vocal & keyboard medley; 3RD PLACE, "Florida Raisins" -- Sue Nurczyk, Carolyn Peet, Becky Morrison, Deborah Stilley. Judges were Jerry Aldrich, Dick Dobbyn and Julie Sojerquist. Scorekeeper, Carl Schleicher. M.C. was Mike Andretta. Pre-show Gospel songs by Art Hallett.

VOLLEYBALL WINNERS: Lonn Benson, Craig Bolger, Rick Mowrey, Dale Munson, Ralph Portuondo, Mike Rosenthal.

TUG-OF-WAR: Craig Bolger, Troy Brown, Paul Coyas, Ken Knically, Rob McLendon, Todd White.

GOLF: Pat Parrish, Bobby Feather, Russ Tatman

DOOR PRIZE WINNERS

VCR -- Karen Critchlow

BROTHERS ELECTRONIC TYPEWRITER -- Norma Jean Wilson

SONY FM/AM STEREO CASSETTE RECORDER -- Al Dyer
GE CORDLESS TELEPHONE -- Gary Phillips

MATCH GAME WINNERS (clock radios or Cross Pen & Pencil sets)

Della Brown & Pat Parrish

Marlowe Lymer & Willard Zoerner

Linda Lotz & Pat Bowers

Kathy Rutherford & Robert Williams

DIAPER DERBY

Kristen Mileham, 11 months

Dewey Mixon, 8 months

Brian Parrish, 7 months

TODDLER TROT

Rachel Kruse, 18 months

Paul Salter, 16 months

Joel Lehman, 14 months

CALENDAR OF EVENTS

NOV. 4 -- ASQC Jinner meeting, Brenton Reef, Sarasota, 6:30 p.m., "Quality Materials in Golf Clubs," Joe Powell (Bill Manjakis, Ext. 6754)

NOV. 5 -- Society for Technical Communications, Jinner meeting, Crown House, Sarasota, 6:30 p.m. -- "Corporate Identity Marketing," Tim Clarke, Clarke Advertising & Public Relations. (Scott Havens, Ext. 6717)

NOV. 10 -- Society of Manufacturing Engineers, Local Suncoast Chapter, joint meeting with Tampa/St. Petersburg Chapter -- Dinner & Plant Tour of Leslie Corp., Tampa. (Al Marion, Ext. 5481).

NOV. 18 -- APICS Florida Gulf Coast Chapter. Dinner meeting, Brenton Reef, Sarasota, 5:30 p.m. "Expert Systems/Artificial Intelligence," Dan Rosenberg, Price Waterhouse. (Val Fordham, Ext. 5588).

AUTHOR JUD STROCK HAS SECOND BOOK PUBLISHED

Jud Strock, Principal Applications Engineer, is the author of a second book on telemetry, just published by the Instrument Society of America. The volume is entitled "Introduction to Telemetry" by O. J. Strock, and is described as an Independent Learning Module -- part of the ISA series of modules on Control Principles and Techniques. The modules are designed for independent self-study.

In the comments about this volume, ISA notes that Jud's volume is designed as an overview of the basic principles and practices in commonly used telemetry systems. The author gives a basic definition of Telemetry:

"Telemetry is the technology which enables a user to collect data from several measurement points at inaccessible or inconvenient locations, transmit that data to a convenient location, and present the several individual measurements in a usable form..."

Jud's earlier book was "Telemetry Computer Systems -- An Introduction," published by the Instrument Society of America and Prentice Hall. When issued in 1983, it was the first telemetry book published in more than a decade, and the first ever to describe the computer in a telemetry system.

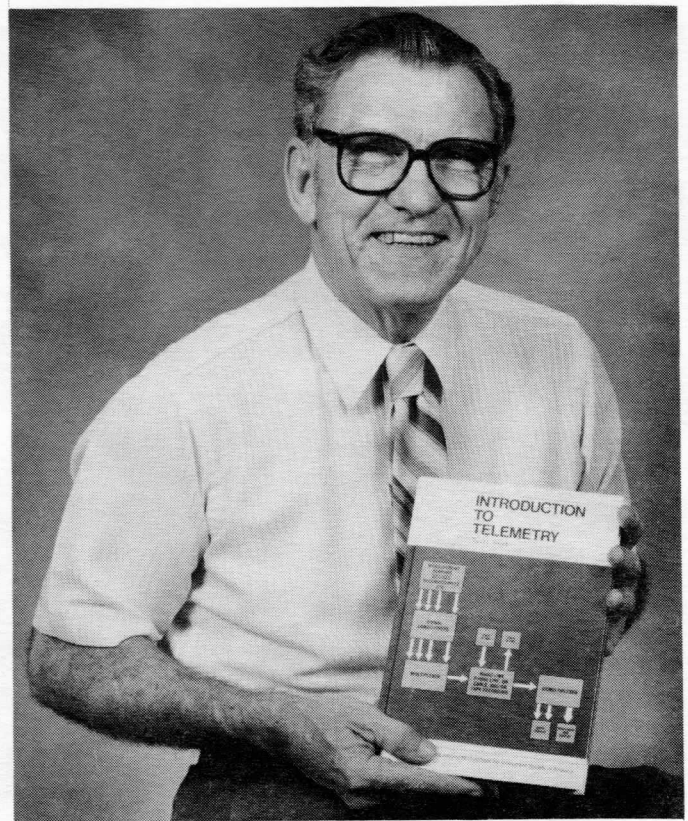
This new book was done on the Strocks' home IBM PC, with their son, Mike Rowell, doing the inputting. Mike is now in the Air Force. The computer disks were forwarded by mail to the Editor at Louisiana State University where editorial comments and graphics were added. The changes were mailed back with the disks for incorporation by the author, and actual typesetting was done from the computer disks.

While fortune may not come with authorship of telemetry texts, Jud has achieved some fame -- particularly with foreign telemetry customers. Recently Jud was introduced to some visitors from China, and one Chinese gentleman said, "You are a very good friend. I have known you for two years. I have been studying your book for two years."

Another telemetry customer said, when introduced to Jud, "I don't know him, but I've read his book..." One reader walked up to Jud and said he recognized him from the photo in Jud's first book.

Jud Strock has been in the telemetry field for 30 years, and associated with our company for 17 years. He earned his BSEE degree from Auburn, was in the Air Force as an electronic warfare officer and received the Air Medal decoration for valor in combat. He has been associated with Western Electric and the Eastern Test Range. Jud is the author of many technical papers, and is well known for his communications ability.

"This volume is a more basic book than Telemetry Computer Systems, but I included FM telemetry, not just PCM, and



Jud Strock with his newly published book.

more of a tutorial on tape recorders, and omitted the more advanced devices like preprocessors," the author explains. "The Company gets a lot of credit -- people expect EMR to lead the way in hardware, software, systems, AND books!" Jud noted.

FWSI EQUIPMENT & PAPER TAKING PART IN ITC SHOW

A display booth featuring Data Systems Division equipments and a technical paper by two FWSI men are part of the 23rd Annual International Telemetry Conference and Technical Exhibition in San Diego, Calif., October 26-29.

Considerable effort went into creating the show booth by our Graphic Arts group, and some of our newest equipment was readied for this important showcase. The new Model 8715 Telemetry Preprocessor and its display software package are being shown to the Telemetry professionals who attend this exhibition. Also included are the Model 8385 Display Station, Model 8470 Tunable Discriminator with a display medium, and the new proposed IRIG Standard 1553 Formatter.

A technical paper by Design Engineer Michael O'Brien and Applications Engineer Jud Strock will describe the new 8715 Preprocessor. The paper is entitled "High Speed Preprocessing in Real Time Telemetry Systems."

This 23rd annual ITC show and technical sessions are sponsored by the International Foundation for Telemetry and the Instrument Society of America.