



**SANGAMO WESTON**  
**Schlumberger**

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NEWS ABOUT SANGAMO WESTON, SARASOTA

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## FAA SYSTEMS NOW SHIPPING FROM TEST



Test Technicians John Jaques, Gil Pelowski, Barry DuFour, Gene Minkus, and Terry Vinson with one of the Master Stations for FAA wind shear monitoring systems. Visible on the wall are the electronics for the Remote Monitoring Units. Not pictured are the special display units that are installed in the control tower and traffic control centers.

Wind Shear Monitoring Systems are being readied for shipment from our Manufacturing Test Department to major airports around the country. Shipment started in December, 1980, on the current contract for a total of 34 systems ordered by the Federal Aviation Administration (FAA). Shipment of three systems from Manufacturing has taken place this month, with more scheduled before the end of January.

Our Industrial Systems Test group in Manufacturing Test now does the testing and systems integration for the standard systems. Systems integration had previously been handled in Systems Engineering.

Each system consists of seven remote wind monitoring units, including anemometers, transmitting data over a radio link to a centrally located computer. Special display units are also provided for installation in the airport Control Tower and Traffic Control Centers.

## DECEMBER SHIPMENTS ESTABLISH NEW RECORD

December, 1980, was a record month for shipments from Sangamo Weston's Data Systems Division, with shipments totaling \$6.2 million. The December record exceeded our previous shipments record of \$6.0 million, set in June, 1979, General Manager S. Kent Morgan announced.

Total shipments for 1980 were over \$50,000,000. While there were no records set by individual product lines, Mr. Morgan reported that sales (shipments) were strong in many areas:

- **TELEMETRY SYSTEMS** met our shipments target for the year. December's shipments included a major flight test system for Boeing.
- **DATA RECORDERS** also met our shipments budget and the outlook for 1981 shipments of the new Sabre 80 appears very positive.
- **INDUSTRIAL SYSTEMS** shipments during December included the first shipments of Wind Shear Monitoring Systems to the FAA, under the current contract. Three systems were shipped in December, and shipments are expected to continue into 1981 at the rate of four to five per month.
- **SWS sales** (shipments) included shipment of 10 Cyber Service Units. Our production rate has been increased sufficiently to meet our shipment objectives during 1981.

## CREDIT UNION REPORTS ASSETS TO MEMBERSHIP

Assets of the EMR Sarasota Employees Credit Union reached \$695,000 during 1980, with 746 members as of December 31, according to the Credit Union's annual report to members at the annual meeting on January 28.

Dividends on members' accounts were 6% for 1980, a lower figure than 1979 due to the increase in non-collectible loans made to members who have left Sangamo Weston. Pictures of newly-elected officers and Board members will appear in a future issue of PULSE.

# INTRODUCING THE EMPLOYEES IN ... TELEMETRY &

The Telemetry and Industrial Products Assembly group, under the supervision of Pat Bowers, is made up of 48 employees who perform a variety of operations, including mechanical assembly, soldering, point-to-point wiring, and wire wrapping.

This group is responsible for building approximately 7500 units annually, consisting of about 170 different models of various sizes and complexity. Assembly times for these items range from 2 hours for the smallest product to 150 hours for the largest, most complex unit.

*Dave Clouse*

Dave Clouse  
 Manager, Telemetry &  
 Industrial Systems Production



Employees working on our second shift Wire Wrap operations include Group Leader Mary Peterson, Glenn Abitz, Naomi Sundstrom (seated), Candy Kastner, Cheryl Newman and Diane Pryor. Tape-controlled semi-automatic wire wrap machines assist in point-to-point wiring for very complex printed circuit boards and base plates involving thousands of wires and pins.



Helen James and Grace Mullinnix (seated) with Marion Cook, Group Leader Mable Altman and Eva Perez are pictured with a Model 420A for the current HELDAPS contract. Work in this area includes point-to-point wiring and soldering.



Pictured at one of our wire wrap machines are: Diane Hammond, Carol Halil, Stella Pearson (seated), Ollie Stone and Ann May. Stella is working on an SWS unit.



Faye Bragg, seated, with Delta Wildermuth, Jacque Matthews, Rita Keen and Patsy Carter, are pictured with a new Model 714-03. Tasks include mechanical assembly, and keeping records of the units and parts shortages.



Seated at wire wrap machine is Bobbie Goll, with Pandorel Griggs, Peggy Mitcheltree, Celeste Garcia and Group Leader Polly Smith. Other operations performed include stripping wires for wire wrap and loading printed wiring boards for subassemblies.

# INDUSTRIAL SYSTEMS PRODUCT ASSEMBLY



Standing: Irma Jones, Hester Spann and Maxine Fogarty. Seated are Beulah Waely, at work on the Model 726, and Edie Himes. This area does point-to-point wiring and soldering.



Pictured with the Model 713-02 are: Zoraida Muriedas (seated), Maggie Ponce de Leon, Pat Prince, Lorraine McFarlin, and Elizabeth Byrd.



Dorothy Moulton, Loretta Phebus, Liz Bell, Ruth Saccuzzo, and Sandra Bacon (seated) are pictured with an Industrial Systems unit -- part of a Tower Wind Data Display for our FAA contract.



Candy Barker (seated) at work on Model 4131-02 sub-assembly, is shown with Supervisor Pat Bowers and Frances Karcanes.

Missing from our photos are Group Leader Opal Black, Luisa Sotolongo, Rhonda Bush, Lucille DeFisher and Myrtle Dusel.

## CONGRATULATIONS . . .

BILL MOODY (DRD Design & Drafting) and his wife Fay welcomed their son Todd on November 25th, weighing in at 7 lb. 1 oz.

BOB GRADOS (Machine Shop) and his wife Sandy, are the proud parents of Ryan Timothy Grados, who weighed in at 9 lb. 10 oz., on December 3.

FRED BERTRAM (Telemetry Tech Pubs) and his wife Judy received an early Christmas present on December 22 when daughter Melody Danielle arrived at 5 lb. 6 oz.

DOYLE JONES (Industrial Products Field Service) and his wife Patricia have a new son, David Aaron, born January 8, at 8 lb. 12 oz.

CLIFF HAYTER, one of our Burns Security Guards, observed his tenth anniversary as a Guard with us on January 14th. Cliff had been an EMR employee from 1963 to 1971, prior to joining Burns.

DAVE WALKER (Inspection Supervisor) was appointed District Representative for the Florida Bicycle Moto Cross Association, a non-profit organization promoting bicycle competition for all ages.

JUD STROCK (Marketing) is the author of an article which appeared in the October, 1980, issue of Measurements and Control. The article is entitled "Telemetry Data Processing."

## QUESTIONS & ANSWERS

**Q.** Who's handling Insurance now, and what's the fastest way to get my Insurance questions answered?

**A.** Our Insurance Office in Personnel is staffed by Wendy Schroyer, Ext. 526. A simple question is best answered by phone. More complicated matters are handled by scheduled appointments. Please save yourself some time and phone first. A box is available at the Insurance Office door for you to drop off your already completed insurance forms and receipts. Or simply put them in an envelope and mail them to the Insurance Office, Mail Stop 11. Your cooperation will speed up the claim processing, and you will get your Insurance claims paid faster.

**Q.** Do I have to go to Personnel just to get an Insurance form to fill out for my claim?

**A.** No indeed. Insurance forms are available in two places for you to pick up, without delay: One station is near the Cafeteria. A second location is the hallway near Personnel and the Main Lobby. There are two blue forms -- Benefit Request Form, and Prescription Drug Record. Help yourself.

**Q.** How do I change the amount of my weekly Stock Purchase Plan payroll deduction?

**A.** To change your weekly payroll deduction for Schlumberger Stock Purchase, please call Benefits Coordinator Wendy Schroyer, Ext. 526, about a simple form to be filled out. You can change your Stock Purchase deductions at any time.

**Q.** I am thinking about early retirement, and want to look into my pension options. What should I do?

**A.** Thank you for asking well in advance. It's a good idea to set up an appointment to talk to our Benefits Coordinator (Wendy Schroyer, Ext. 526) three to six months before you plan to retire.

**Q.** Some of us recently contributed blood for an emergency for a family member of a fellow employee. Why wasn't it simply transferred from our Blood Bank Account?

**A.** In most cases, our Blood Bank simply transfers the units to the patient's account. However, in this emergency, fresh blood was required, and we were proud and pleased with the generous response from our fellow employees. Thanks a bunch.

Any time you or a member of your family need blood, please call our Dispensary, and Nurse Debbie Graham will take care of your requirements through our Blood Bank.

## DOUBLE AWARD WINNER

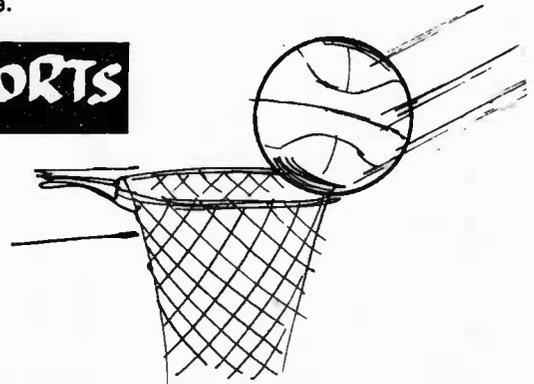
W. N. (Bill) Waggener has been notified that he won the Dr. Charles Stark Draper Outstanding Tutorial Award for the 1980 Instrument Society of America Symposium. The award includes a \$100 check. Bill will be formally recognized at the ASD/TMD Symposium in Indianapolis in April, 1981. A "tutorial" is a short seminar (about three hours) intended to provide the audience with a general background in some particular subject.

Back in 1975, Bill also won the ISA award for the outstanding technical paper for the year, so this new award makes Bill a double winner. Other recently published articles by Staff Engineer Bill Waggener include:

- "A MAP Symbol Synchronizer Implemented with Charge-Coupled Devices" published in the IEEE Transactions on Communications, August, 1980.

- "Recursive Algorithms for Polynomial Transformations" published in the Sept. 1980 IEEE Circuits & Systems magazine.

**Sports**



## BASKETBALL TEAM ORGANIZED

Our Data Systems Division Basketball Team, which was organized recently, includes Clint DuBois, Dave Hart, Bruce Johnson, Joel Stewart, Rod Doran and Rick Wilsey. The team plays weekly, usually Monday or Wednesday evenings, through the end of February, and the games schedule will be posted near the Cafeteria. At press time, the team was not publicizing its current win-loss record.

## KEGLERS TAKE TITLES

Joe Faso (R & E) rolled a 268 in the Merchants League at Sarasota Lanes recently, and made the Sarasota Journal's Bowling column as scratch Bowler of the Week. Joe reports that the Sangamo Weston team is back in first place and aiming for their third championship this year. Team members are: Jerry Belveal, Joe Faso, Walt Knopik, Don Norris, Tom Toler, and John Wooster.

John Sapp (Stock Room) managed to beat the competition to the top of Division C and won an award of \$150 during the December 6-7 Herald Tribune Tournament at Sarasota Lanes. The \$150 bowling prize went toward the California vacation John and Debbie Sapp took during our Christmas-time plant shutdown.

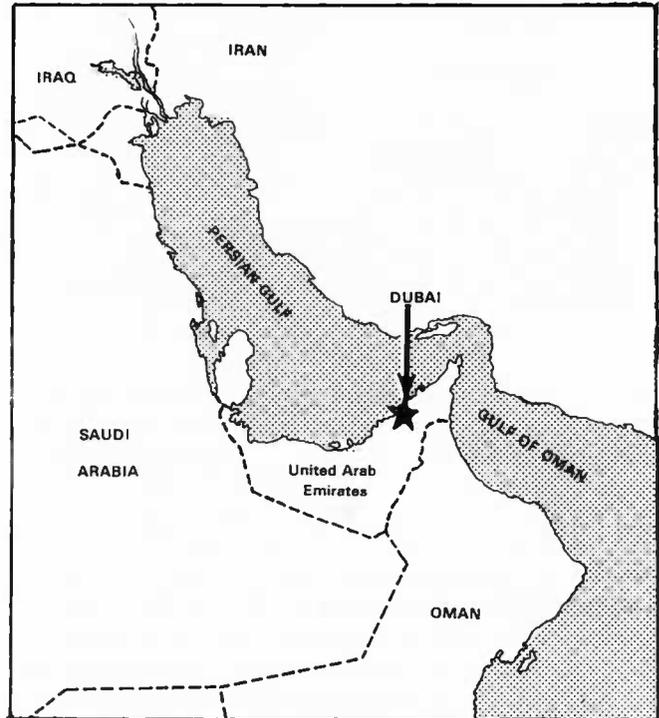
# CONOCO OIL ORDERING INDUSTRIAL SYSTEMS

Industrial Systems has received a significant contract awarded by Conoco Oil Company for oil production monitoring systems in the Persian Gulf. The contract, and planned expansion, is valued at over \$1,000,000.

The system will be used by Dubai Petroleum, a wholly-owned subsidiary of Conoco Oil, which operates a large number of off-shore oil producing platforms. Dubai is one of the small Middle East Emirates on the Persian Gulf, near Saudi Arabia and Oman

"We will be supplying two computer-controlled systems for optimizing oil production on the platforms," explains Bill Hardman, Marketing Manager for Industrial Systems. "Initially 32 of our RECON III Remote Stations will be required, and the Master Stations will operate with our newly developed SUPCON-DOS software."

Project Engineer for the system is Chuck Berster, working with John Keal. "The job requires us to help install the system on some of the off-shore oil platforms later this year," Bill Hardman noted. "We are really excited about this business opportunity in the oil production business area."



## QUALITY IS THE NAME OF THIS GAME -- Quality Quiz

### QUALITY QUIZ...

#### "ALL IN THE FAMILY"

Here's the January Quality Quiz:

The family of a Quality Control Engineer consisted of 1 grandmother, 1 grandfather, 2 fathers, 2 mothers, 4 children, 3 grandchildren, 1 brother, 2 sisters, 2 sons, 2 daughters, 1 father-in-law, 1 mother-in-law, and 1 daughter-in-law. What is the smallest possible number of persons in his family? -- Contributed

*Give your answer to a Quality representative. Answers must be received by midnight, February 10. All correct answers will be collected and a drawing held to select three winners. The three winners will get a free lunch in the Cafeteria. The correct answer will be published in the next issue of PULSE.*

### A TOUGH ONE --

Do you find our Quality Quizzes too easy? Try your math on this one:

The Quality Manager, heading homeward, stopped at a bank to cash a check. An inattentive teller gave him dollars for cents and cents for dollars in the check. Neither verified that the amount was correct. Pocketing the money, the Quality Manager departed. He then stopped at a drug store to purchase a new razor for which he paid \$3.50. After making payment, he counted his remaining money and suddenly realized it was double the amount of the check. What was the value of the original check?

*No prizes for this Quiz--just the joy of intellectual stimulation and satisfaction of knowing you solved the problem. Employees who solve this one will also get honorable mention in PULSE, so turn in your answer to your Quality representative.*



**QUALITY  
IS ALWAYS IN STYLE**

**THANKS FOR CONTRIBUTING  
TO OUR UNITED WAY DRIVE**

## EARLY RETIREES



Bert Ekis and Dawn Hirter

Bert Ekis and Dawn Hirter said farewell to their Sangamo Weston colleagues on January 16, when both long-time employees elected early retirement under the provisions of our Pension Plan.

Bert joined our Plant Engineering and Maintenance Department in 1963, and has helped with the many maintenance and building projects in our plant over the years. He aims to do lots of fishing now. With his wife Helen, Bert will also be traveling to Tennessee, Texas and Pennsylvania to visit with their family, including their five children and 13 grandchildren.

Dawn Hirter leaves our Engineering Document Center (EDC) after 16 years with that group. Her plans include more time for her art (water colors and oils), plus sewing, golf and swimming. Dawn and Bob Hirter have three sons and three grandchildren. "I'm looking forward to enjoying my leisure activities, but I know I'm going to miss all the people here," Dawn said.

To Bert and Dawn -- all the best from your many friends at work.

## ANNIVERSARY GREETINGS



Celebrating a lot of years with the Company this month are: Eldon Andrews (30 years); Dick Peck (15 years); Donna Mahler (15 years), and Harry Yates (15 years), pictured above.

Other major service milestones during January include: Dan Rendon, of Irvine, Calif. (20 years); Frank Wakefield, of Huntsville, Ala. (20 years) and George Keegan, in Sarasota (20 years), and Lyle Head of Cupertino, Calif. (5 years).



George Keegan



Lyle Head

### 1980 MEDICAL INSURANCE PREMIUMS FOR DEPENDENT COVERAGE

*Not including Long Term Disability(LTD)*

Spouse only	\$2.58/wk.	X	52 weeks	=	\$134.16/year
Child(ren) only	\$1.56/wk.	X	52 weeks	=	\$81.12/year
Spouse & Children	\$4.15/wk.	X	52 weeks	=	\$215.80/year

If you are starting to itemize your deductions for income tax, the handy guide given above will help you calculate how much you spent on medical insurance premiums for your dependents' medical insurance through our group coverage.

#### REMEMBER:

- ★ *The Company pays the premiums on the group insurance coverage on you the employee.*
- ★ *You pay only PART of the premiums for dependents' medical insurance coverage. Sangamo Weston picks up the greater share of the cost for your dependents' medical insurance coverage.*
- ★ *Costs for medical services have gone up drastically, and our medical insurance coverage has been improved, but the amount you pay for your dependents' medical insurance has been the same since 1974. Sangamo Weston has absorbed the increases.*
- ★ *Sangamo Weston paid about \$700,000 for group insurance on employees and their dependents in 1980. (This does not include LTD -- Long Term Disability -- coverage.)*