



SANGAMO WESTON

Schlumberger

SANGAMO WESTON, SARASOTA
P. O. BOX 3041
SARASOTA, FLORIDA 33578

NEWS ABOUT SANGAMO WESTON, SARASOTA

VOL. I, NO. 8

JULY, 1979

TO ALL EMPLOYEES:

Many employees have inquired about the possibility of buying Schlumberger Limited stock through payroll deductions. I am pleased to announce that effective the first week of September all eligible full-time employees of Sangamo Weston will be able to purchase Schlumberger common stock through weekly payroll deductions.

The Monthly Investment Plan, offered through Merrill Lynch, Pierce, Fenner & Smith, will be described in a packet of information distributed to all employees during August. Sangamo Weston will pay the brokerage commissions on the Schlumberger stock you purchase through weekly payroll deductions.

As with any stock purchases, you must evaluate for yourself the benefits and risks for you and your family. The final decision rests with you.

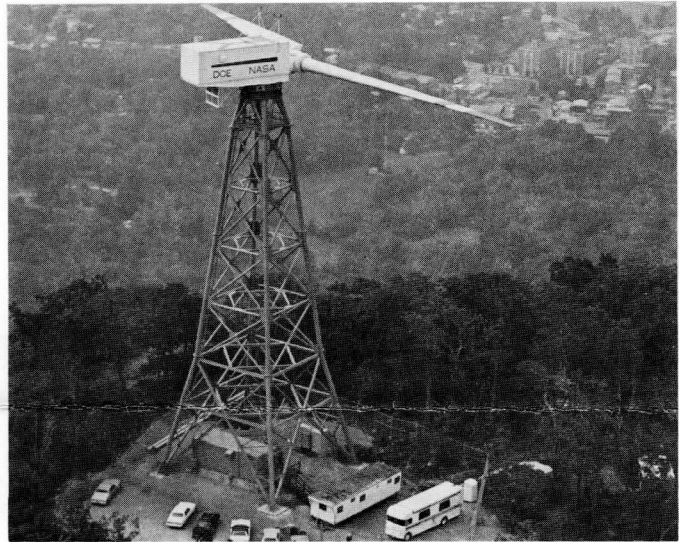
It is particularly pleasing to me to see the introduction of this stock purchase plan as a convenient and voluntary program for those employees who, after careful consideration, decide to participate in the plan.

Sincerely,

A. J. Martin
General Manager

WORLD'S LARGEST WINDMILL USES OUR INSTRUMENTATION

Equipment built in Sarasota by EMR Data Systems of Sangamo Weston is helping monitor the world's largest wind turbine (windmill) in Boone, N. C.



World's largest wind turbine is monitored by EMR Data Systems equipment. Our van-mounted instrumentation system is parked at lower right.

Kent Morgan, Director of EMR Data Systems, and Scott Blair, Manager of Customer Service for Data Systems, attended the dedication ceremonies this month at the invitation of the U. S. Department of Energy (DOE) and NASA.

Already on the scene in North Carolina were our two Senior Service Technicians, Ed Hudson and Steve Prenger, who have helped monitor and check out DOE/NASA windmill installations over the past two years. Two smaller wind turbines were installed earlier in New Mexico and Puerto Rico.

Traveling with our van-mounted mobile data acquisition system, Ed and Steve have journeyed to NASA Lewis Research Center, Cleveland, Ohio; Clayton, N.M.; the island of Culebra, Puerto Rico; Philadelphia and now Boone, N. C.

This largest windmill stands atop Howard Knob, about 1000 feet above the town of Boone in northwestern North Carolina. The tower is about 140 feet high. The two steel blades are 100 feet long each, totaling 200 feet and weighing 18 tons. Of a variable pitch design, the blades operate at wind speeds between 11 and 35 miles per hour and can generate some 2000

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WORLD'S LARGEST WINDMILL (Cont'd)

kilowatts (2 million watts) of electricity, which is fed directly into the Blue Ridge Electric Membership Corporation's power grid. The electricity produced can provide power for 300 to 500 average-size homes at winds of 25 mph.

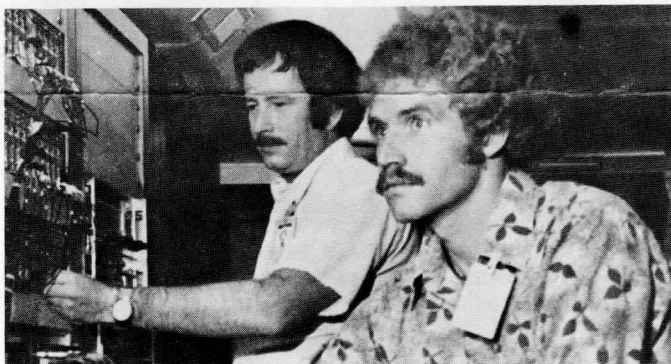
At the top of the tower is a 34-foot-long shelter called a nacelle, housing rotor shafts, gear train generator and EMR monitoring equipment. EMR Remote Multiplexing Units are mounted on the turbine hub (between the blades) and in the nacelle, and at the base of the tower.

The EMR mobile van-mounted instrumentation system and the remote units are used to monitor and record data such as strain on the blades, wind speed, direction, vibration and temperature. The data will help to evaluate present and future wind turbine designs.

Working 140 feet above the ground to troubleshoot a terminal box on the hub can be unnerving for our Technicians, even with a safety line. "The first trip was a white knuckle affair, but we're relatively relaxed now," commented Steve Prenger.

The wind turbine was built by General Electric Space Division for the Department of Energy and NASA.

"NASA and DOE have been very satisfied with the performance of the EMR equipment and service personnel, and we look forward to continued success in the Wind Energy program," Kent Morgan said.



Ed Hudson and Steve Prenger inside van.

WEATHER SYSTEM TO HANDLE TIROS-N DATA IN ANTARCTICA

An EMR/ Sangamo Weston Weather Data System is scheduled to go all the way to Antarctica after a stopover in California. The equipment has been undergoing acceptance tests in California during July. Later the Navy-Antarctica system will be installed at McMurdo Station, Antarctica, to provide vital weather information for Operation Deep Freeze, a scientific research project funded by the National Science Foundation.

Our equipment will receive high resolution pictures and information from Tiros-N, a polar-orbiting satellite crossing the north and south poles each orbit, according to Project Engineer Roy Paxton.

Engineer Chuck Miller, who expects to go to Antarctica this winter to help install the equipment, quotes an international meeting of scientists who pointed out back in 1954 that Antarctica is an "area of almost unparalleled interest for geography and geophysics alike." Our equipment will be a valuable tool for the scientists to use in studying Antarctica, he said.

BENEFITS QUESTIONS AND ANSWERS

Q. If I am called for jury duty, do I lose any pay?

A. No. Through our employee benefits program, the Company pays you the difference between your regular straight-time salary and the pay you receive for serving on a jury, or as a legal witness, or for short-term military duty. A form, available from Personnel, should be completed by you and your Supervisor prior to your serving.

Q. Does our Group Insurance plan have a pre-existing condition clause?

A. No.

Q. How long are job postings on the bulletin boards?

A. Opportunities for promotion are posted on bulletin boards for two working days. Check the bulletin boards frequently so that you don't miss the chance to bid on that job opportunity you've been waiting for. It is your responsibility to respond to the job posting. Should you be out on vacation, you may leave word with a colleague or your Supervisor that a job bid be submitted for you in your absence when the job you're interested in is posted.

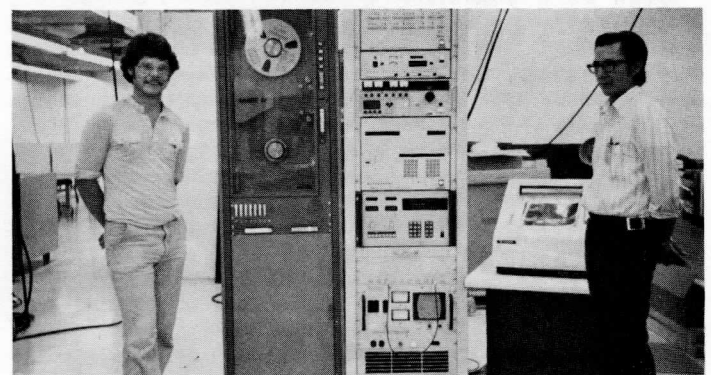
Q. If I need a large amount of blood while hospitalized, will our medical plan cover the cost?

A. Yes, under the usual hospitalization coverage--100% of the first \$1000, and 80% for covered medical expenses thereafter. Also, units of blood can be transferred from our Blood Bank when needed by you or members of your family. Call our Medical Department, Ext. 559, whenever you need blood.

Q. If I am taken to a hospital which cannot provide the special treatment required, will the plan pay for the ambulance service from that hospital to the one which can provide the necessary treatment?

A. Yes. In most cases, the first hospital is the only one for which ambulance service is covered (80%). But, if that hospital cannot provide the special treatment required, ambulance service to another hospital for that specific treatment is covered at 80%.

Rich Brewster, Senior Service Technician in California, is also expected to go to Antarctica for the system installation.



Engineer Chuck Miller (left) and Project Technician Tom Smeed with weather system designed for use in the Antarctic.

WANT TO RIDE A BUS TO WORK?

Taking a bus to work sounds like a very good idea to 260 employees of Sangamo Weston. That's how many employees have already filled out the form to tell SCAT, our local public transportation agency, that they would take a bus if it were available.

Employees' responses have been sent to Mr. Gabe Sebestyen, of the Sarasota County Area Transit system.

The next step is for SCAT to evaluate the information on where the bus routes are needed. Then the proposed route changes or new routes must be submitted to the several transportation boards and commissions involved. If the need is clearly established, the procedure to get the necessary changes approved would take approximately 60 to 90 days, according to SCAT.

MANUFACTURING INFORMATION SYSTEM REQUIRES LOTS OF STUDY, PLANNING

Working on a new Manufacturing Information System for our facility is a group of Sangamo Weston employees from Operations, Marketing and Accounting. The idea is to update certain manufacturing data systems to improve production planning and material availability --important factors in all manufacturing operations.

"Eventually, we expect the new systems to help provide improved customer service, reduce expensive inventory and help to increase productivity, generally improving the cost effectiveness of our whole manufacturing operation," says Art Grindlinger, Materials Manager.

That's a tall order, but planning and analysis have been underway for some time. Already accomplished is the selection of a set of standard computer programs which will be tailored to Sangamo Weston requirements.

The Manufacturing Information System, which is one of the major portions of our overall Management Information System, is being implemented on our recently-installed IBM 370 computer.

Essential to the plan are good, accurate records--such as stockroom inventory count and other manufacturing data. Also essential is education and training for all those employees who will be involved with the new system. Initial impact of the new Manufacturing Information System will be felt in the Planning areas, Art explains.

"We hope to be able to install a new Material Requirements Planning (MRP) system in the Schlumberger Well Services products area around October," Art said, "and other phases of the Manufacturing Information System will follow."

HELP SAVE A LIFE

Certified in CPR or First Aid? Please call Nurse Martha Dixon, Ext. 559, or drop her a note in care of Mail Stop 11.

Martha is also helping groups of employees schedule courses in cardio-pulmonary resuscitation (CPR) with local organizations which give the courses. The requirement is for groups of 6-10 persons per class.

HAPPY ANNIVERSARY

Anniversary greetings to the twelve Sangamo Weston employees pictured here who are observing major service milestones during July --



Happy anniversary to (foreground) Marianna Campbell, 20 yrs; Kay Cole, 10 yrs; Frances Crawford, 20 yrs; (background) Gary Bowers, 10 yrs; George Bennett, 20 yrs; Charlie Hall, 15 yrs; Robert Williams, 15 yrs.



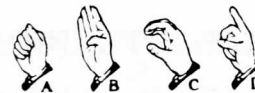
Congratulations to Mark Kolchakian, 5 yrs; Loy Dunkel, 10 yrs; Wayne Norman, 20 yrs; Bob Petrey, 10 yrs; Dodie Trimboli, 5 yrs.

TIPS ON SAVING GAS

Here are some tips from Ford Times on how we can improve automobile fuel economy:

1. Drive slower. Reducing speeds from 60 to 50 mpg saves 10% or more in fuel consumption.
2. Maintain even speed.
3. Avoid fast starts and stops.
4. Follow starting instructions in your owner's manual. Unnecessary accelerator pedal pumping wastes gas.
5. Avoid long periods of idling. Restarting takes less gas than idling for more than a half-minute.
6. Don't "ride" the brake.
7. Shift into high gear as soon as you can. With an automatic transmission, when you reach 25 mph, briefly lifting your foot off the accelerator will get you into high quickly.
8. Use the max a/c setting only for quick cooling; use normal a/c for continuous operation.
9. Keep loads light. Store gear at home rather than in your car's luggage compartment. Each additional 100 pounds of weight costs an extra two-tenths of a mile per gallon.
10. Organize your trips. Make one trip do the work of several "out-of-milk" runs.
11. Car-pool to work, school, meetings, shopping.
12. Follow the recommended maintenance schedule in your owner's manual.

BILL AND ED USE SIGN LANGUAGE TO ASSIST THE DEAF



After learning the sign language for communicating with the deaf, two Sangamo Weston men and their families are active volunteers in assisting the deaf. Bill Salter, of Design and Drafting, and Ed Domrzalski, Senior Engineering Technician, both long-time Sangamo Weston employees, give many hours to their Deaf Ministry work through the Faith Baptist Church, Bee Ridge Road.

Ed and Bill use the sign language for teaching Sunday School lessons. Bill Salter also interprets during regular church services, translating the Pastor's sermon, as he speaks, for those who are unable to hear. Their families also work with deaf individuals to arrange for social gatherings and sometimes accompany the deaf person, when needed, on visits to the doctor, lawyer, or grocery store.

The Salters--Bill, Pat and son Greg--have been very active in deaf ministry for about three years. Ed and June Domrzalski and Ed III became interested over the past two years, through their friendship with the Salters.

"We assist in counseling, helping find employment, and arranging get-togethers, such as picnics, bowling or golf," Ed Domrzalski explains.

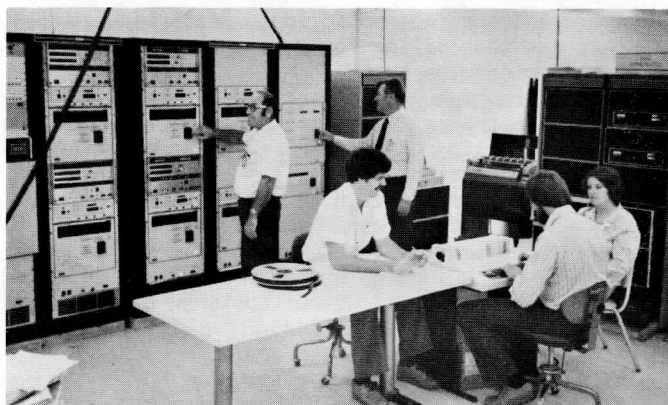
"Next week another Interpreter and I are driving a group of teenagers to the Bill Rice Ranch in Tennessee for a week-long camp for deaf children," Bill Salter said.

Both families also serve in youth work and transportation. Bill is a Deacon and Ed was just appointed a member of the Board of Trustees for their church.

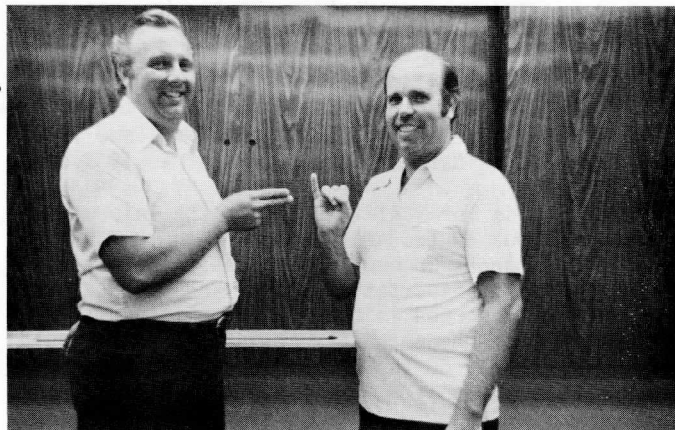
SYSTEM SHIPPED TO BOEING

An impressive system, called a Multi-Tape/Multi-Track Telemetry System, has been shipped to Boeing, Seattle, where it will be used to analyze data acquired during flight tests of Boeing commercial aircraft.

Valued at over \$660,000, the system solves a major problem that exists in many flight test analog tape processing systems, namely the time wasted waiting for the analog flight tape to be positioned to replay a desired time segment. This was accomplished by modifying existing time code equipment and the design of a status and time multiplexer unit.



Project Technician Vic Boucher and Project Engineer Dick Haase are shown with Boeing system. In the foreground, discussing computer programming, are Jim Massing, Mitch Phillips and Debbie Atchley.



"Hi" expressed by Ed Domrzalski and Bill Salter in sign language. Ed signs the "H" and Bill signs the "i."

They are enthusiastic about the satisfaction they receive from their service and the friendships that develop.

"It can be fun. For example, we had a deaf person sign to a lady interpreter that her slip was showing -- while she was standing in front of the congregation," Ed said. "Or, being helpful, they will sign to us that our hair is mussed or our shirttail is out," Bill adds.

Bill and Ed agree, "We would be happy to help other interested people get involved in assisting the deaf throughout the community."

POWER MANAGEMENT SYSTEM STUDY UNDERWAY FOR PLANT

Tests are being conducted to determine whether a power management system is feasible for Sangamo Weston to conserve electricity.

Our Industrial Systems group, working with Plant Engineering, is evaluating whether installation of our Model 3210 remote stations and a small computer master station could be effective in saving electricity and money.

Monthly electric bills for our facility run between \$50,000 and \$60,000. Billing is based on peak loads, averaged over the 30-day billing period. If a computer-automated control system can lower the power consumption by briefly interrupting the operation of air handlers, ovens, lighting, etc., when power consumption nears peak loading, then a saving of 2%, 3% or even 10% per month could be achieved.

Our tests are now evaluating which devices consume the most electricity and have the potential for being controlled without interrupting normal work flow, according to Don Turrell, Director of Industrial Systems. "We will, of course, consult the Departments or people who are immediately concerned with any devices which are being considered for control," he said.

Meantime, we can all help save energy by turning off lights or electrical equipment whenever they are not needed.