



The EMR-Telemetry News
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ENERGY CRISIS IN HEADLINES

-- SCHLUMBERGER TOOLS BEING BUILT HERE
WILL ASSIST IN THE SEARCH FOR OIL

Rugged, sophisticated tools used in the world-wide search for new energy sources -- oil and gas -- are being produced by EMR-T under a contract with Schlumberger Well Services, Houston.

One tool, a long, thin Cartridge, goes into the well hole to depths of 25,000 feet, -- four miles into the earth. It is designed to withstand up to 20,000 pounds of pressure and temperatures up to 350°F.

This Microlog Proximity Cartridge (MPC) is one of many complex tools which Schlumberger oil well logging crews use around the globe to evaluate the technical factors that go into successful oil exploration.

This nine-foot-long Cartridge is joined to a 12-foot-long Sonde, forming a down-hole tool some 21 feet long. The Sonde is the mechanical sensing tool which goes into the borehole first and feeds information to the Cartridge. The Cartridge (manufactured here) is an electrical tool which codes the data and transmits the data to the surface for processing.

Basically, the MPC being manufactured here will provide information that indicates permeability of the strata that are found in the particular well hole, and resistivity measurements which are used to determine how porous the rock (or other) formations are, and consequently

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EMR-T Assemblers admire their work on SWS Microlog Proximity Cartridge. Standing, Nea Valeria, Violet Blair and Roma Parker; Foreground, Kathryn Dilks, Doris Pruitt.

IT WON'T BE LONG

EMR's CHRISTMAS DANCE plans are well under way. Site of the dance will be the luxurious new HOLIDAY INN, LONGBOAT KEY -- featuring the Solardome.

Save the date --

SATURDAY, DEC. 8, 1973

and watch our bulletin boards for further announcements soon!

ENERGY CRISIS — SWS Tools, cont'd.

how much of the void, or porous space, could contain hydrocarbons. As the Sonde and Cartridge are withdrawn from the bottom of the borehole, the information is sent to the surface via a multi-conductor steel armored cable, and recorded as a "log."

Logs are long, narrow strip charts that plot data vs. depth. They resemble an electrocardiogram or seismogram. Oil well logs require expert interpretation in the highly technical, competitive, and very expensive business of searching for oil and gas.

Schlumberger oil well logging and other technical services are known throughout the world for excellence.

Overall, the current SWS contract calls for EMR-T to deliver quantities of the Cartridges and related equipment, including:

MPC (Microlog Proximity Cartridge) -- Down-hole tool.

MPP (Microlog Proximity Panel)-- Computer for MPC, used in oil well logging trucks at exploration sites to process information, and make conversions so the information can be recorded on film.

PDS (Proximity Dummy Sonde)-- Plugs into Cartridge for testing; simulates artificial formations.

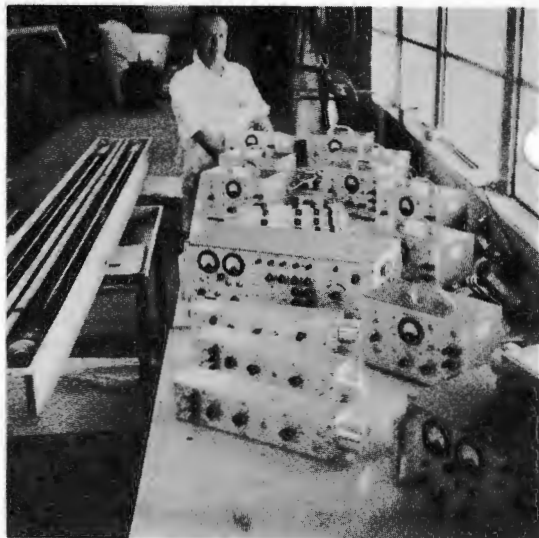
MTB (Microlog Test Box) -- Sonde test box.

TDP (Tension Device Panel)-- Measures stress and tension on cable going into and coming out of the well hole.

In earlier contracts, EMR provided Truck Tape Recorders and Cement Bond Panels which are used in Schlumberger well logging trucks at oil exploration sites.



Initial ambient (room conditions) testing of Cartridge is started by Phil Luquette, Test Technician, and Group Leader Wayne Norman.



First shipment of some of the SWS equipment: Encased Cartridges (MPC) at left, with Marcel Dagenais packing MPP, PDS, and MTB boxes.

PULSE - The EMR-Telemetry News

M. E. Herbst, Editor

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A SCHLUMBERGER COMPANY

D.R. WIEGAND APPOINTED TO EMR CONTROLLER POST

David R. Wiegand has joined EMR as Controller and head of our Accounting Organization.



He comes to Sarasota from Rochester, N. Y., where he was Staff Assistant to the Corporate Budget Director of Sybron Corp., world-wide manufacturers of health products, industrial process components and instrumentation.

Earlier he held financial management positions with Castle Company, a division of Sybron; Itek Business Products, and H. K. Porter Co. Mr. Wiegand is a graduate of Pennsylvania State University and a member of the National Association of Accountants.

Mr. Wiegand and his wife Eleanor have three children: Dale, 11; Carol, 9; and Michael, 5.

"My hobbies of tennis and golf fit right into the Sarasota scene," he said.

JANIE FUTCH JOINS EMR-T RETIREES

Janie Futch has elected early retirement from her job as an Assembler in EMR-T's Production Department effective Nov. 1. A veteran of 16 years with EMR, Janie plans to cultivate her big vegetable garden, raise some beef cattle, fish in the lakes on her property in northeast Sarasota, do some sewing, and enjoy her arts and crafts and other projects.

"My first project is learning how to make good corn bread," she says. "My husband loves good old-fashioned country cooking, and my biscuits are real good, but he says my corn bread isn't like his mother's!"

Janie and John Futch plan to build a new -3-

SPEEDING PRINTS

A new Xerox 840 copier recently installed in our Engineering Documentation Center will be used to copy, fold and collate Engineering and Production drawings.

The drum-type copier is specifically designed for Engineering drawings purposes, and is not suited to regular office-style copying.

An extra feature of the new 840 is the ability to reduce large drawings (22 x 34 inches) to smaller sizes automatically, making for ease of handling. It also saves storage space, and drawings for technical manuals will be easier to produce via this machine.



Laurel Riley at collator; Skip Brawn, and Dawn Hirter with new Xerox 840 copier.



house and will also travel cross-country for a family visit in the State of Washington. There will be more time to enjoy the grandchildren, too.

Janie was born in Arcadia, Fla. . . "I can remember when Sarasota had one picture show and two dime stores. On Saturday night you knew everybody on Main St. "

Janie becomes our ninth retiree, and we wish her all the best.

safety -

LAUNCH SAFETY CAMPAIGN; GOAL IS A MILLION HOURS



Safety Committee Member Glenn Campbell and Daryl DeLoreto, of Production, with new Safety Scoreboard.

One Million Hours without a lost time accident is the goal of a Safety Awareness campaign being launched in all Departments of EMR-T.

"We're already well on our way to achieving the first plateau--500,000 man hours without a lost time accident," says Carl Weinrich, Personnel Representative.

"By observing safety procedures, we should reach the half-way point toward our goal in November," he said.

A new Safety Scoreboard mounted on the wall near our Cafeteria shows the number of days since the last EMR-T lost-time accident and indicates the number of months to go to reach the Million Hours goal.

"Safety pays off for everyone," Weinrich said. "The best reward of a safety program is the health and well being of all employees," he added.

TAKE CARE -- BE AWARE... of safety!

« SAFETY TIPS »

SHADES

Wear safety glasses on the job, yes--but don't forget to protect your eyes 24 hours a day. Continued and needless wearing of sunglasses leads to a form of addiction, after which going without them in daylight becomes painful.

Ophthalmologists say sunglasses should be worn only when the intensity of light produces discomfort. The penalty for their wear otherwise is the reduction of the individual's tolerance to bright light.

BARBECUE ? BEWARE !

Deaths have resulted from the use of refrigerator shelves for barbecue grills. Some of these shelves are cadmium coated. Cadmium is released during the heating and poisonous fumes transferred to the cooked meat. Cadmium poisoning resulted. Do NOT use metal shelving for cookouts unless it has been approved for that purpose!

**"Give a hoot,
don't pollute."**



EMR EQUIPMENT ON BOARD SEA - GOING TEST PLATFORM

A seaborne instrumentation platform, built at EMR-T in Sarasota, has been delivered to the U. S. Navy's Port Hueneme, Calif., facility. The equipment will be part of a test platform to be used in evaluating anti-ship missile defense equipment.

The EMR-built console will be installed on board a sea-going test bed called a Terminal Defense Test Platform. The test platform is a boat hull built especially for test and evaluation purposes.

The pictured console and other electronic instrumentation and test control equipment will be mounted on the Terminal Defense Test Platform. The Platform itself will be capable of being remotely controlled, as will be the instrumentation and the equipment undergoing test.

Instrumentation is being designed by E. A. Dahl, of the Navy's Engineering Support Department, Port Hueneme. The sea-going Test Platform is berthed in the Port Hueneme harbor.



E. A. (Ernie) Dahl, of the Navy's Port Hueneme facility, and John Norton, EMR, look over sea-borne instrumentation platform built here. Console contains video and telemetry monitoring equipment.

ANNIVERSARY GREETINGS

Pictured in our anniversary album this month are four EMR employees observing 15-year service anniversaries. Seated, Anne Anderson, Dick Dungan; standing, Skip Brawn and Jim Beebe.



In addition, the following employees are marking their fifth anniversaries with the company: Norma Davis, Bill England.

WORLD TRAVELER

Gerry Breyton, Manager of Export Sales, is EMR-T's most-traveled employee, with recent business trips taking him to India, Japan and Brazil.

Gerry was at the International Aerospace Show, Sao Paulo, Brazil, last month when the USA Ambassador to Brazil, the Honorable John Hugh Crimmins, visited EMR's exhibit at the Show.

EMR-T's export business is at an all-time high this year, and Gerry says there's more to come.



An Aide, Ambassador Crimmins, Gerry Breyton, Translator Marta Kestenbaum.

L. I. B. IS THE NAME OF THE CLUB

"With the stock market acting the way it is, we're certainly learning a lot!"

That's the reaction of nine EMR ladies who formed a women's investment club recently. Their group is called the L. I. B. Investment Club. For an investment of \$10 a month, they are getting a basic education in the stock market, plus an opportunity for profit and some fun, too.

EMR employees who are members include Mary Caseber, Billie Godwin, Betty Jackson, Ruth LaCroix, Donna Mahler, Ola Mink, Eloise Pakish, Jo Snyder and Hazel Taylor. Four non-EMR members round out the Club's current membership of 13.

Eloise Pakish, of Accounting, is Assistant Presiding Partner (vice-president) and heads the committee to study stocks which the Club might consider buying. Hazel Taylor, of Receiving Inspection, is another member of that committee. "We meet a week prior to the full membership meeting and study two or three issues to report to the group. Decisions to buy are made by the whole Club," Eloise explains.

The Club is a member of the National Association of Investment Clubs and has a local broker to help with questions. "Some of us have attended regional seminars to get more information, and several members went to a meeting of the Peninsula Investment Club which has quite a few EMR men on their roster," Eloise reports.

Financial Partner Ruth LaCroix reports the L. I. B. group currently holds four stocks. "We are a little ahead of the game at this early point in our Club history, after only six months of operation," she said. Their first dividend check just



HAPPY INVESTORS: Betty Jackson, Donna Mahler, Ruth LaCroix, Mary Caseber, Hazel Taylor, Eloise Pakish, Ola Mink, Jo Snyder. Missing from photo: Billie Godwin.

arrived. "It was about enough for one cup of coffee for each of us," quipped Jo Snyder.

Are they accepting new members? "Yes, but our bylaws call for a maximum of 20 members. Persons who wish to join must attend at least two meetings before they can be accepted," Ruth LaCroix said.

The gals have a cheerful outlook. "Eventually," says Eloise with a twinkle in her eye, "we expect to be rolling around in our wheel chairs with a lap full of profitable stocks!"

T/C CONTRACT AWARDED

General Dynamics' Convair Aerospace Division, Fort Worth, Texas, has awarded EMR-T a contract for a telemetry/mini computer system valued at \$350,000.

The Data Preprocessor Subsystem features EMR interface to the PDP 11 Computer, with FM and PCM inputs and a new, specially-designed data compressor. Delivery is scheduled for February, 1974.