

PULSE

EMR



The EMR Telemetry Division News
Sarasota, Florida

Vol. II, No. 6

21 July 1967

NEW RULES FOR ACCESS TO PLANT AFTER HOURS

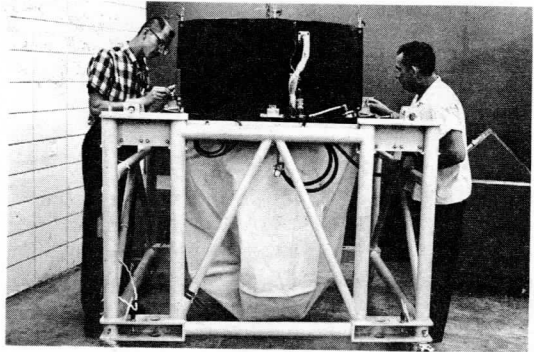
A new practice is now in effect relative to the conduct of business in the plant outside of normal working hours. Guards have been instructed to lock doors and turnout lights at 6 p. m. , unless notified in advance that employees are working overtime or are on an evening shift.

This change permits better control over plant security, provides better safety practices and permits a significant saving in utility costs.

If you plan to be in the plant after normal working hours, this is what you should do:

1. Make arrangements with R. W. Ireland before 4 p. m. , either directly or through your supervisor.
2. Be sure to wear your identification badge.
3. Check in with the Guard in the front lobby so that he can unlock the doors, if locked, and so that he is aware of who is in the plant for safety reasons. When leaving, please advise the Guard, or sign out in the lobby.
4. If arrangements cannot be made in advance, arrange your schedule to arrive at the plant while the Guard is in the lobby -- usually the 15 minutes before the hour. If this is not possible, call him during that period to make alternate arrangements.

CELESCOPE MODEL SHIPPED



Work continues on Project Telescope here and at NASA Goddard, where the star-mapping experiment is being acceptance tested before it is integrated with the spacecraft. The photo shows Milton Litwiller (left) and Don Murray as they prepared the Telescope Functional Model for potting and insertion into its protective bag (shown in the dolly) for the trip to NASA Goddard Space Flight Center in Greenbelt, Md. The dolly was then wheeled to the special NASA "low-boy" carrier for its environment-controlled trip. Placed in its special box and shock-mounted on the truck, the Functional Model was carefully transported to Maryland this week.

At NASA, EMR's Telescope Field Team of two Engineers and two Technicians supervises the testing of the EMR Telescope optical (telescope) package, the electronics package, and software in preparation for the Orbiting Astronomical Observatory launch in 1968.

PRODUCT PROFILE THE EMR MODEL 2701

Here is the first of a series of Product Profiles in PULSE -- designed to give Telemetry Division employees a quick look at the individual products, describe what the product does, and mention some of the people who make the products go, go, go ---



The EMR Model 2701 Analog Multiplexer Quantizer is one of the new products in the Telemetry Division's 2700 series which can be used in small or large telemetry systems. The 2701 handles signals from our Discriminators and it converts its inputs into computer language.

How is it used? A satellite or missile sends a telemetry signal to the ground. (This telemetered information could be similar to the data a pilot sees when he looks at his instrument panel.) The 2701 accepts up to 128 of these signals and samples them in sequence or at random, at rates up to 60,000 times per second. The 2701 passes this information along in computer language for processing and recording by a computer. The information is then available from the computer on request.

In Digital Products Engineering, Bill Gregory was responsible for the Model 2701 design, and Lee Melugin now handles the production coverage. The product is currently in its second production run in George Keegan's area in Manufacturing, and testing is done in Pervis Sanders' group. Gene Schroeder did the 2701 Test Engineering and Don Buffington handled

PCM COURSES TAUGHT IN ENGLAND, CALIFORNIA

EMR's "College of Telemetry Knowledge" crossed the Atlantic in June and journeys to California this month to present more PCM training courses to current and potential customers of the Telemetry Division.

At Farnborough, England, Frank Bost and Art Kelley were the instructors for a four-day course of instruction on Pulse Code Modulation. Some 33 employees of British firms, including our sister company, the Solartron Electronic Group, attended the classes in England.

Two PCM training courses will be given on the West Coast during July, according to Training Director Kelley. The first was July 17-20 in San Diego, and the second is scheduled for July 31-August 3 in San Francisco. Bost and Kelley will instruct in San Diego, and John Chiarenza joins Art for the San Francisco course. Enrollment is between 20 and 25 for each of the two California courses.

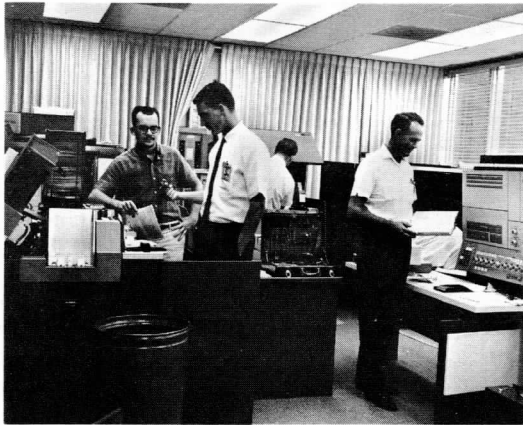
During the brief British trip, our Engineers also discussed with Solartron representatives applications for Telemetry Division equipment. Their busy schedule left little time for sightseeing, but both Art and Frank agreed that the Inn at which they stayed -- called The Tumble Down Dick -- could be described as "picturesque rather than luxurious!"

the Manufacturing Engineering. Some of the 2701 units will be part of the IBM system and the big Lockheed C-5A computer-controlled ground system currently in Systems Engineering.

PULSE

The EMR - Telemetry Division News
M. E. Herbst, Editor

NEW COMPUTER INSTALLED



A glimpse behind the scenes shows the Telemetry Division's new IBM 360 Computer system in the process of installation in Data Processing. In the foreground Mike Bogart, Bob Taylor, and Owen Levensgood, of Data Processing, look over the new equipment as IBM Engineers and Service personnel work in the background. The new IBM 360 system offers increased capability for business and scientific computer applications with a slight reduction in the lease rate. Our old IBM 1401 system remains as backup until the new system is fully operational.

BLOOD DONORS NEEDED TO AID FELLOW WORKERS

EMR's Blood Bank is low. Only 25 pints of blood are currently credited to the EMR account at the Lower West Coast Blood Bank located at Sarasota Memorial Hospital. Fifty pints is considered a safe level.

The EMR Blood Bank stands ready to help when you need blood. To EMR employees, this means that if you or your immediate family need a blood transfusion, you may have that blood without charge -- a saving to you of \$22.50 per pint. For example, in June one Telemetry Division employee received seven pints of blood from the EMR account.

A PENNY SAVED...



Hundreds of dollars worth of office supplies and equipment were rounded up during the past week and returned to the central office supplies stockroom shelves as a result of the Division's drive to reduce overhead and save money. Individual storage areas were cleared out by the various Departments, and surplus supplies -- extra staplers, reams of paper, pencils, card files, etc. -- went back to central stock. The photo shows Dawn Hirter (left) and Ida Kassanchuk, of EDC, stowing a small part of the salvaged "goodies" in the Office Supplies Stockroom. Engineering Support and Procurement are the prime movers in this Stop Waste/Save Money operation. Have you cleaned house in your area?

Donors are needed regularly to replace withdrawals and to keep the EMR Blood Bank "solvent." If you can, please call the Lower West Coast Blood Bank and make arrangements to be a donor soon.

A recent call from the Lower West Coast Blood Bank for Type O and A blood donors points up the need for emergency coverage as well. To respond to emergency calls for specific blood types, Jessica Sutton in our Division Insurance Office keeps a list of employees who are willing to be emergency donors. Call Jessica on Ext. 292 to advise her of your name and blood type for this purpose.

WHO'S WHO

BILL CLENDENIN ENJOYS A VARIETY OF INTERESTS

If you still have the stereotyped concept of an Accounting Manager as an old curmudgeon with a green eyeshade, fiendishly punching the keyboard of his calculator and counting pennies -- you're in for a surprise when you meet Bill Clendenin.

As the Telemetry Division's Manager of Accounting, Bill combines the serious responsibilities of modern fiscal management with a wide range of outside interests. Add a large measure of sincerity, integrity, and a sense of humor, and you have a composite picture of Bill Clendenin, one of the most likeable guys you'll ever know.

Outside the office, his interests are varied. Bill is a regular EMR league bowler, a pro-football fan, an active skin diver and shell collector, an opera enthusiast, a reader of history - specializing in the Civil War period - a family man with four children, and active in his church.

While skin diving, Bill hunts live specimens for his shell collection. His diving and shelling know-how resulted in his accompanying 17 young Boy Scouts and four other men on a week-long camping and skin diving trip to the Florida Keys in April.

"The boys pitched tents and we cooked over the open fire," Bill reports. "Of course, the Advisors had the relative luxury of sleeping in Dewayne Lipp's camper." But Dewayne adds his comment: "I think the boys in the tents were more comfortable!"

Bill Clendenin received his AB degree in Business Administration from Duke University in 1949. His college career was interrupted by Navy service in the V-5 program at the end of World War II. Bill had pre-flight training at Pensacola before



he left the Navy and returned to college with his new bride, Pat. Bill and Pat, both natives of North Carolina, now live in Red Rock Lane with their four children - Gerald, 17, Gail, 15, Joanna, 13, and six-year-old Robert, called Robin.

Bill joined EMR in 1957 after eight years with American Viscose Corp. in Virginia. He started as EMR's Supervisor of Cost Accounting and Budgeting, and was transferred to Princeton, N. J., where he headed the Photoelectric Division's Accounting Department from 1960 to 1963. Since then he has been Manager of the Telemetry Division's accounting organization.

Heading a modern accounting department, particularly in the electronics business with the added restrictions of compliance with Government contract regulations, requires some very special skills. As General Manager J. P. Magnin told PULSE recently, "The Accounting Manager supervises the personnel who are involved in payroll preparation, paying bills, invoicing customers, cost accounting, and data processing. And he does more. He analyzes a mass of financial data and interprets it for the Division Management. He must use this data to assist in contract negotiation, product pricing, and financial planning."

It's unanimous -- Bill Clendenin is one of the Good Guys!