



## The EMR-Telemetry News

Sarasota, Florida

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### FIRST TVC SYSTEM SHIPPED TO NASA

Shipment of the first TVC (Time/Voice Correlation) system ordered by NASA-Goddard for use on the forthcoming Skylab Program took place this month. The EMR equipments are to be installed at tracking stations around the world and at NASA's Manned Spacecraft Center in Houston.

The shipped system is the first of 14 Remote Site Substations and six Demultiplexers which EMR-T will deliver during the next two months in preparation for the Skylab mission, scheduled for launch in May, 1973.

Engineering qualification testing was performed in Sarasota during the week of January 8 on the initial system before it was shipped to Houston. The system then underwent acceptance testing over a special telephone network between Houston and world-wide sites such as Carnarvon, Australia, and Madrid, Spain. (Cont. p. 4)



C. G. Dudley, NASA, Dave Colin (EMR), R. C. Howatt and Larry Day, of NASA, with TVC system.

### R.C. BROGAN NAMED PERSONNEL MANAGER

Richard C. Brogan has joined EMR-Telemetry this week as our new Manager of Personnel. He reports to W. T. Long, Vice President and General Manager.



A native of New Jersey, Mr. Brogan comes to EMR from Becton, Dickinson & Co., of Rutherford, N.J., a manufacturer of medical-surgical products. He joined Becton-Dickinson in 1968, and served in positions of increasing responsibility in industrial relations. Most recently he held the joint positions of Assistant Director, Compensation, at the corporate level and Employee Relations Manager of the Consumer Products Division.

From 1965 to 1968 Mr. Brogan was in personnel administration with the Chase Manhattan Bank, New York City.

Mr. Brogan received his Bachelor's degree in economics from West Virginia Wesleyan College, and a Master's degree in Industrial Relations from West Virginia University. He is an Army veteran.

He is a member of the American Compensation Association and enjoys fishing, golf and tennis. Mr. Brogan, his wife, Dunila, and their daughter, Candace (2-1/2), are relocating from Montclair, N. J., to Sarasota.

## CREDIT UNION REPORTS VERY SUCCESSFUL YEAR

Over 100 members attended the sixth Annual Meeting of the EMR Sarasota Employees Credit Union in the Cafeteria on January 18. President Royal Bechtold announced a 6% annual dividend rate on shares for 1972. EMRSECU showed a profit of \$17,836 and total assets of over \$332,000. Membership rose to 560.

A new Credit Union service feature is payment of intangible taxes on members' shares.



Pat Prince (left) is congratulated by President Royal Bechtold and Treasurer Gary Bowers on winning a barbecue at the Credit Union's annual meeting.

New members were elected to the Board of Directors, Supervisory Committee and Credit Committee. The new Board and Committees are:

Board of Directors: Gary Bowers, Ed Domrzalski, Tom Fultz, John Norton, Joe Pipala, Dick Ridgewell, Paul Shetler.

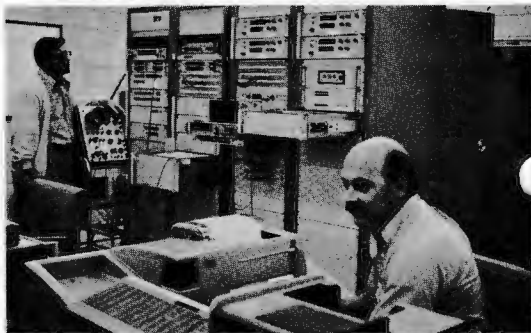
Supervisory Committee: Shirley Buerge, Carolyn Cox, Bill Gregory.

Credit Committee: Dick Frye, Martha Lambert, George Zimmerman.

## DURRETT IN PRINT

Congratulations to Harry R. Durrett on his article, "Overflow Detector Uses Counter-Output Display," appearing on page 68 of Electronic Design's issue of Dec. 21, 1972.

## SHIP KIRTLAND SYSTEM



Final Checkout Before Shipping--Project Engineer Dick Haase and Software System Programmer Joe West, of Aerospace Systems, are shown with a portion of the large Kirtland telemetry/computer system shipped last week.

The EMR High Speed Data Acquisition System was ordered by the Air Force for delivery to Kirtland Air Force Base, Albuquerque, N. M., and is valued at over \$400,000. Included are a Model 6135 Computer, EMR-T's telemetry front-end, computer interface and software.

## HARRY R. JOHNSON

Harry Johnson, Senior Sales Engineer, died in a plane crash at sea near Biloxi, Miss., on Dec. 12. He joined EMR in 1962, and served in Test and Field Service before his promotion to Sales Engineer for the Southern Area. Born in Minneola, Fla., in 1937, he was an Army veteran and is survived by his wife, Vera, his daughter Kara and son Harry, Jr.

Harry's EMR friends and customers have joined in expressing a personal tribute to a fine gentleman who will be greatly missed.

PULSE - The EMR-Telemetry News

M. E. Herbst, Editor

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## ANNIVERSARY DOUBLE HEADER

Here's a double anniversary celebration--with photos of our 10- and 15-year honorees who observed service anniversaries in December, '72, and January, '73.



It's 15 years each for Bill Miller, Marcel Dagenais, Betty Darr, Fred Stiefel, Martin Belkin, Art Kelley. All joined EMR in December, 1957, except Marcel who started in January, 1958.

Ten-year veterans are (left to right): December, Frank Bost; January, Paul Milo, Effie Anderson, Ed Annaratone, Bill Henry, Jim Maguire, Mona Nainby.

## RED FLAG CHARRETTE STUDY GETS EMR HELP

Clarence G. Byrd, Manager of EMR-T's Research and Engineering Organization, is a member of the Citizens Advisory Committee for the New College Environmental Studies Program and one of the organizers of the two-county "Red Flag Charrette" soon to take place in Sarasota and Manatee Counties.

The project is an intensive environmental study to identify lands considered to be threatened by deterioration or destruction,

and results will be useful for long-range planning and preservation of this area's natural resources.

Conducted in cooperation with the Gulf Coast Chapter of the American Institute of Architects, the Red Flag Charrette will need hundreds--perhaps thousands--of volunteers in the area. Anyone interested in serving in this important community project should get in touch with Clarence Byrd.

## YES, IT'S INCOME TAX TIME ...

Here's a recap of the premiums paid by employees for dependent medical coverage under our group insurance plan in 1972. If you itemize your deductions, you may need this information for your income tax return.

Remember, EMR pays for the medical and life insurance coverage for each EMR-T employee. You pay only for your dependents' coverage. Incidentally, there was a suspension of premiums for the five week period of February 4 through March 3, as noted below.

### 1972 MEDICAL INSURANCE DEPENDENT COVERAGE PREMIUMS

Period - 1972		Spouse Only	Spouse & Child(ren)	Child(ren) Only
(January)	4 pay periods @	\$2.62 = \$ 10.48	\$4.38 = \$ 17.52	\$1.64 = \$ 6.56
(February)	5 pay periods @	-0- -	-0- -	-0- -
(Mar.-Dec.)	43 pay periods @	\$2.96 = \$127.28	\$4.75 = \$204.25	\$1.79 = \$76.97
1972 Premiums		\$137.76	\$221.77	\$83.53

## NATIONAL SALES MEET HELD HERE LAST WEEK

An intensive four-day National Sales Meeting brought together members of EMR's Field Sales force in Sarasota January 17-20.

In-house personnel met with the Field Sales people in the consolidated meeting which covered briefings on telemetry, instruments and industrial product lines. Major items of business were: review of 1972 results which were gratifying; introduction of new products; objectives for 1973; implement action for continuation of successful 1972 performance.



Speaker, N. Siegel; 1st Row: Messrs. DeFord, Claflin, Reider, Fuller and Castelletti; 2nd Row: Murphy, Galen, Sherman, Bowlin, Antzack; Back: Hinkel, Moller, Hardman, Steineckert, Sayre.

Awards for topping their December sales goals went to: Ray Claflin, Bud Hinkel, Jerry Radwell, Carl Steineckert, and, posthumously, to Harry Johnson.

Sales attendees included: Tom Antzack, Wyatt Bishop, Dave Bowlin, Tillie Castelletti, Ray Claflin, Bob DeFord, Bob Fuller, Chuck Galen, Bud Hinkel, Bob Klessig, Cephus Mason, Bob Murphy, Frank Post, Jerry Radwell, Jerry Reider, Bob Sayre, John Sherman, Carl Steineckert, Ross Tilton. Here are some views:



At one of the briefings: Bob DeFord, Bob Murphy, Jerry Radwell, Dave Bowlin, Frank Post, Cephus Mason; Foreground, Chuck Galen, George Tremain, and Kent Morgan.

## FIRST TVC SYSTEM SHIPPED TO NASA (Continued from Page 1)

Each system consists of five boxes, approximately 19" wide by 10" high by 22" deep, and weighing between 40 and 70 pounds each. The six EMR Demultiplexers will be installed in Houston and Goddard Space Flight Center, while the 14 Remote Site Substations will be located at Cape Kennedy and Goldstone, Cal., Canary Islands, and other world-wide tracking stations.

During Skylab missions, continuous real-time voice and data broadcasts will be made from the orbiting Skylab. On-board recordings will be made of vital information and played back to earth after each orbit. The ground-based equipment, designed and developed by EMR, will monitor the quality of the data while Skylab passes over a tracking station and will

aid in processing the data after station contact has been completed.

NASA representatives on hand for Engineering qualification testing in Sarasota were C. G. Dudley and R. C. Howatt.

"EMR-T's TVC Program has been a major effort for a lot of employees," Program Manager Barry Barton said. "It is impossible to acknowledge all who have participated, but mention should be made of several areas: Frank Bloechl is the TVC Program Manufacturing representative; the units are built by our skilled Assemblers in Wayne Brinton's White Room; in Aerospace Systems, Senior Engineer Dave Colin and Senior Engineering Technician Randy Mitchell had major responsibility for system design and integration," Barry said.