



## The EMR-Telemetry News

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### SPECIAL CAR DEMONSTRATES EMR-T VEHICLE TEST SYSTEM

From the outside, it looks like an ordinary American automobile. But under the hood... in the trunk... and attached to the wheels are special instrumentation that make this 1969 Plymouth Fury III a rolling show-case for EMR-Telemetry's new Vehicle Test System.



Tom Antzack and John McQueen discuss trunk-mounted portion of Vehicle Test System in demonstration auto.

The specially-instrumented car is currently on the road in the mid-west--introducing auto manufacturers and auto equipment suppliers to a new kind of EMR end-to-end vehicle telemetry system.

"Development and test engineers are learning that they can use our Vehicle Test System to evaluate handling performance and safety characteristics for all kinds of vehicles--automobiles, tractors, trucks, boats, tanks, helicopters," says Tom Antzack who is heading up EMR-T's Industrial Sales for the VTS.

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### KNOPIK HEADS SYSTEMS; LIND, BYRD GET NEW POSTS

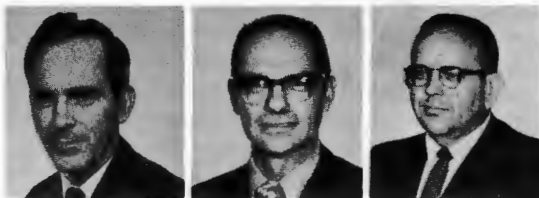
Walter M. Knopik has been promoted to the position of Manager of EMR-T's Systems Organization with responsibility for the activities of Special Systems, Software Systems, Systems Analysis, and Digital Systems.

In other top management appointments, General Manager Leo G. Chappell has named Clarence G. Byrd to head our Research and Engineering Organization, and Dr. Earl R. Lind has been appointed Technical Advisor to the General Manager.

Walt Knopik joined EMR in 1963 as a Senior Engineer in Advanced Systems, and was active in electro-optical design work. He was subsequently assigned to the Digital Products Engineering Department, and in April, 1969, was named Manager of Ground Digital and FM Systems.

Before joining EMR Walt was employed by Sperry Gyroscope Co., and by Bendix. He is a native of East St. Louis, Illinois, and earned his Bachelor's degree in Applied Electronics at St. Louis University in 1952. Walt and Ora Knopik are the parents of two sons and a daughter.

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C. G. Byrd . W. M. Knopik E. R. Lind

## KNOPIK, LIND, BYRD (Cont'd)

In his new position of Manager of Research and Engineering, Clarence Byrd heads the activities of Analog, Digital, RF, and Airborne PCM Product Engineering Departments, as well as Engineering Support and the Microelectronics Lab.

Since joining EMR in 1961 as an Engineer in Advanced Systems, he has held positions of increasing responsibility in Airborne PCM, Digital Products Engineering, and Applications. He was on assignment with Schlumberger, Limited, New York City, in 1968-1969, and returned to Sarasota to become Manager of Systems Organization in October, 1969.

A native of Charleston, S. C., Clarence Byrd earned his BSEE degree from The Citadel in 1949, and did graduate work at Purdue. He is a Navy veteran. Before coming to EMR he was employed at Martin, Orlando; Philco and ITT. Clarence and Flora Byrd are the parents of 3 children.

Dr. Lind, now Technical Advisor to General Manager Leo G. Chappell, headed EMR-T's Research and Engineering effort since 1966. He holds Bachelor's and Master's degrees from Michigan College of Mining and Technology, and earned his Doctor of Philosophy degree from the University of Wisconsin in 1958.

In his new post, Dr. Lind will provide technical liaison in areas such as feasibility of product and system developments; long-range planning, and new technologies.

Before joining EMR in 1961, he was a Lead Engineer at the Advanced Electronics Center of General Electric Co., Ithaca, N. Y. His assignments at EMR included PCM and FM/FM instrumentation designs on the X-20 (Dyna-Soar) space glider program, X-Band transmitting and receiving equipment studies, and work on Gemini PCM and OSO systems.

Dr. Lind is a native of Michigan and is married to the former Ellen Jurd who was employed at EMR for several years.

## EEA VOLLEYBALL LEAGUE PROVIDES GOOD EXERCISE



Vigorous exercise and good relaxation--that's what volleyball means to a group of EMR-T men who enjoy the game each Tuesday and Thursday afternoon right after work. The hard-fought volleyball contests take place at the Employees Association's two courts at the southeast corner of EMR-T property.

"More players are always welcome," says Ed Rainey, Chairman of the EEA Volleyball



League. To join, call Ed at Ext. 243.

Currently on the volleyball roster are: Jerry Aguirre, Bob Anderson, George Bennett, Dick Bridgman, John Brisbin, Arch Brumfield, Jack Cain, Rod Dagenais, Richard Davies, Bill Gregory, Lonnie Gunter, Don Jones, Jim Maguire, Wayne Norman, John Norton, Ed Rainey, Ty Rigdon, Pervis Sanders, Rick Schneider, Dan Toler, Tom Toler, James White, Johnnie Williams. (Photos by Don Bolt)

## EMR-C ANNOUNCES MEDICAL COMPUTER ORDER AND SHOW

EMR-Computer, Minneapolis, has announced receipt of an order valued at approximately \$4 million for computer systems ordered by Spectra Medical Systems, Palo Alto, Calif. The lease contract is one of the largest in EMR-C history.

Spectra Medical Systems, founded for the purpose of developing and marketing hospital computer systems, chose EMR-C to provide the hardware and software for a hospital communications system that will computerize many administrative procedures including reporting and record-keeping tasks.

Hardware on each system consists of a 6135 processor with 32K memory, and peripherals including two magnetic tape units, disc memory, paper tape reader-punch, and line printer. The system will also include 32 terminals (remote input-

output stations) consisting of a color CRT (visual display unit) and a typewriter.

With this integrated communications system, doctors and nurses will be able to communicate directly with the control computer via remote terminals. Inputs could include medical and drug orders, patient's identification, patient's medical file, supply requests and lab reports. The system can generate any number of reports such as patient listing, medication schedules, dietary records and lab information. Delivery of the first system is scheduled for October, 1970.

### Medical Computer Conference

In related medical activities, EMR-Computer will demonstrate computerized electrocardiogram analysis at a Regional Medical Computer Services Conference in Seattle during October.

Electrocardiogram signals will be transmitted directly from a patient over telephone lines to an EMR 6130 computer at Loma Linda University Medical Center in California 1000 miles away. Signals will be processed and immediately transmitted back to the conference site where the results will be printed out on a teletype.

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## ANNIVERSARY GREETINGS

Over 70 EMR-T employees are observing anniversaries of employment with the company during September. Listed here are those of our colleagues marking service anniversaries of 5, 7, 10, or more years:

1953	1959 (cont'd)
T. R. Ryley	Dan Jenkins
1957	Jerry Johnson
Clyde Chadwick	1960
David Middleton	Dave Bryant
Ola Mink	1963
Helen Peters	Skip Bailes
Evelyn Sweeting	Bill Cook
Lucille Williams	Dale Dennis
1958	Harry Durrett
Tom Antzack	Jim Ewton
Ned Buck	Martha Fulton
Doug Dinnes	Pat Scoles
Joe Faso	1965
Ron Fores	Sam Berryman
Ruth Johnson	Diane Fisher
Jim Wachob	Harold Leslie
1959	Mike Russell
Kathy Dilks	Verna Williams
Chuck Holderman	

## CONGRESSMAN VISITS



Congressman James A. Haley, Democratic candidate for re-election to the U. S. House of Representatives, is shown here in our Production Clean Room sub-miniature assembly area during his visit to EMR-T last month. Candidates for State and National office visited the plant as part of a non-partisan "meet your candidates" program during the election campaign. From left are: A. L. Mathews, local Haley campaign manager, Frank Stout (foreground), Congressman Haley, Bill Thompson, Mary Anne Williams, Sherrill Moyer, Betty Darr.

## WHO'S WHO -- GAIL DELIVERS THE MAIL

Even the Post Office Department would have to agree-- EMR-T has the prettiest mailman in town!

Smiling Gail Tollerton sorts and delivers the mail for EMR-T, covering 30 mail stops twice a day throughout our four large buildings.

"I really prefer this to a sit-down job," she said.

What about all that exercise? Gail Tollerton

"I don't know how many miles I cover, but my Hush Puppies are wearing out," she noted.

Our mail load from the Post Office is usually five or six mail bags a day, plus bulky mail packages. On Mondays, there are 8 or 9 bags of mail, and after a three-day holiday, it runs to about 12 sacks. Outgoing mail and interoffice envelopes add to that total. (Incidentally, it helps if you use the correct Mail Stop number, and advise the Mail Room of your new Mail Stop when you move!)

Gail does the in-house sorting and delivery, and Bill Cook and Dennis Wilson handle the Post Office mail runs. Gail also helps with shipment logs and typing freight bills and shippers. She recently celebrated her first anniversary at EMR.



A native of Lebanon, Va., Gail attended Lees-McRae Junior College, Banner Elk, N. C. She moved to Sarasota after graduation and started working in the book-keeping department of the Bird Key Yacht Club where she met her husband, Jim.

"Jim's in insurance and investments, and very interested in politics," Gail explains. "We're both active members of the Young Republicans Club and currently helping in the campaign for our favorite candidate in the Congressional race."

Gail's interests are varied: sewing, crewel and other needlework, decoupage, sailing, FSU and pro football games. The Tollertons are "novice" campers. They have two English Setters, and Gail and Jim recently attended the field dog trials at Punta Gorda. "I was brought up on a farm in Virginia where we had Hereford cattle, and I was riding horses before I could walk. So naturally I'm looking forward to the time when we have a house in the country with some horses."

Meanwhile, Gail rides herd on lots of mail while wearing down those Hush Puppies. And, oh yes--don't forget to vote in next Tuesday's run-off election for the candidate of your choice.

### SPECIAL CAR DEMONSTRATES EMR-T VEHICLE TEST SYSTEM (Continued)

Tom Antzack is currently driving the EMR-instrumented auto to a series of customer demonstrations in the Detroit-Toledo-Cleveland area. John McQueen, of Customer Service, who was in charge of instrumenting the demonstration vehicle, has assisted at some of the customer demonstrations -- as have Ed Moller of Applications, and Willie Biles, of our Eastern Sales Area.

Dynamic data from the moving vehicle is gathered by strategically-placed sensors and transmitted from the small, lightweight, rugged EMR mobile package

mounted in the vehicle to a compact Monitoring Station--a complete receiver/discriminator system mounted in a portable case. No umbilical cables or on-board recorders are required.

Through this 11-channel Constant Bandwidth FM Vehicle Test System, accurate test data are provided on handling parameters such as steering angle, oil pressure, engine RPM, vehicle speed, water temperature, vibration, throttle position, brake pressure, lateral acceleration, and fore/aft acceleration. A voice channel permits the driver to communicate with the Monitoring Station.