A Leader in Industry and the Community

...in Industry

HISTORY AND FACILITY

EMR, organized in Houston, Texas, in 1941, began by producing electronic equipment for the war effort. Soon after moving to Connecticut in 1946, EMR developed the industry's first telemetry signal discriminator and started a planned expansion into airborne and ground instrumentation systems.

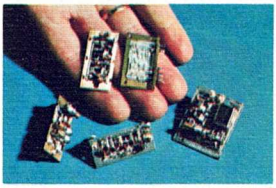
EMR was the established leader in the telemetry industry when the company moved to Sarasota in 1957, and the growth trend has continued. Currently, four modern buildings located on a 90-acre tract four miles east of downtown Sarasota provide 190,000 square feet of advanced engineering and manufacturing facilities. Among the 600 employees are the most skilled engineers and electronic specialists available in the aerospace industry. Many firsts have evolved

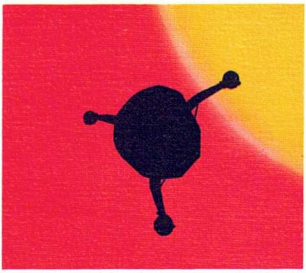
from this professional atmosphere, such as our telemetry equipment specially designed for use with high-speed computers. Complex data handling chores which formerly took hours are now accomplished in seconds with the aid of EMR computers and EMR computer-controlled telemetry systems.

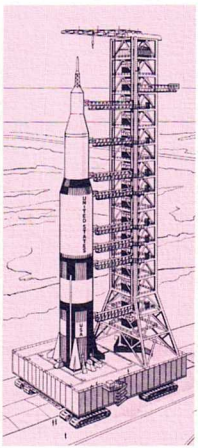
EMR-Telemetry in Sarasota is one of four EMR facilities which include EMR-Computer (Minn.), EMR-Photoelectric (N.J.), and EMR-Instruments (Pa.). EMR is a division of Weston Instruments, Inc., a Schlumberger Company. Schlumberger, world-known in oil exploration, owns electronic companies in England and France, as well as in the U. S. (including Heathkit). Listed on the New York Stock Exchange, Schlumberger Limited's operating revenue is $425 million with net income in excess of $45 million a year.

WHAT IS TELEMETRY?

Telemetry literally means "measurement at a distance." For example, the automobile fuel gage can be considered a simple telemeter. But simplicity has given way to today's complex technology and now telemetry encompasses the following primary functions: accepting many measurements at inaccessible points (acquisition); combining all the data into a suitable form (multiplexing); relaying the multiplex to an operation station (transmission); separating the combined data into its original form (demultiplexing); and transforming the data into usable units (data reduction and display).







The data measurements include everything from material temperature, vibration, and pressure to human environmental characteristics such as heart beat, respiratory rate, etc. EMR products provide complete data handling from the acquisition phase to data reduction in both computer-controlled and manual versions. EMR is a prime mover in expanding the meaning of telemetry.

RESEARCH • DESIGN • MANUFACTURE

All of EMR-Telemetry's products are researched, designed, and manufactured in Sarasota for customers throughout the world. Engineers and technicians are supported by advance research laboratories equipped with precision instruments to aid in developing new concepts and products. Two computer centers are located at the EMR-Telemetry facility. One computer center processes company records such as accounting, material handling, forecasting for long-range planning, parts procurement, shifting critical materials between projects, and a daily printout of every product by serial number showing current status and estimated completion date. The second computer center is a complete EMR telemetry/computer system which performs complex research calculations and is used to process customer data or to demonstrate our engineering/equipment capability.

Other specialty facilities include an extensive technical library; electronically-automated drafting; "clean-rooms" with controlled environments for assembling ultra-sensitive products; a microelectronics laboratory for producing circuits so small they must be assembled with the aid of microscopes; shops for metal-plating, painting, automated and manual machine work, and printed-circuit board fabrication; expansive assembly areas; and testing and quality-control areas which subject our products to all environments including outer space conditions, excessive temperatures, etc. This total capability results in the finest and most reliable software and hardware available in the industry.

APPLICATIONS AND CONTRACTS

Telemetry applications are limited only by imagination. EMR's equipment is used in manned space vehicles, scientific satellites, missiles, environmental probes, auto road testing, research laboratories at many universities, new aircraft, hydrofoils, helicopters, nuclear power systems, and human life parameters. The market is continuously researched and new products are developed to meet the technological requirements of the future. Our contracts have included every manned space program, orbiting solar and astronomical observatories, the giant C-5 jet transport, the L-1011 TriStar airliner, Titan and Pershing missiles, ESSA weather data, and many more including NASA's Skylab Workshop planned for launching in the mid-seventies. Many of these projects are follow-on contracts resulting from past performance.

...in the Community

SARASOTA'S LARGEST INDUSTRY

As Sarasota's largest industry, EMR is active in fulfilling its responsibility to the community. Professional and skilled EMR employees participate in school and church activities, civic organizations, youth groups, United Fund, Cancer Crusade and a large variety of community affairs. For example, a cardiac-monitoring telemetry system was installed in an ambulance of the South Trail Fire Control District and a completely new, advanced lighting system was designed and built for the Sarasota Sailor Circus.

To avoid pollution of the air and nearby streams, the company implemented an advanced waste treatment facility to handle chemical and sewage wastes. The effluent is then used to water a 15-acre tract of EMR property planted with 11,000 slash pine seedlings. Civic awareness, pollution control, and reforestation are just a part of EMR-Telemetry's investment in the community and its welfare.

EMR AND THE COMMUNITY

EMR-Telemetry adds approximately $10 million a year to the Florida economy, over $7.5 million of which is expended locally. The economic impact is far-reaching and includes:

- EMPLOYMENT for nearly 600 persons.
- ANNUAL PAYROLL is over $6 million.
- FLORIDA PURCHASES of goods and services is over $2 million a year.
- ANNUAL AIRLINE TICKET PURCHASES total $100,000.
- MONTHLY ELECTRICITY BILL is over $10,000.
- TELEPHONE AND TELEGRAPH averages $15,000 a month.
- OVER 100 LOCAL SUPPLIERS provide goods and services.
- 150 PLANT VISITORS a week do business with EMR and contribute to the local economy.

EMR-Telemetry and its employees work hard at being a part of the community. We like it here. For further information, write EMR-Telemetry, Personnel and Services, Box 3041, Sarasota, Fla. 33578.

EMR TELEMETRY

EMR DIVISION OF WESTON INSTRUMENTS, INC · A SCHLUMBERGER COMPANY

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