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ETHEL BROWN RECEIVES 20-YEAR SERVICE AWARD

Ethelyn "Mac" Brown, of Assembly, who observed her twentieth service anniversary with EMR on Jan. 14, received her 20-year service pin and a diamond-and-gold wrist watch in an awards ceremony recently.

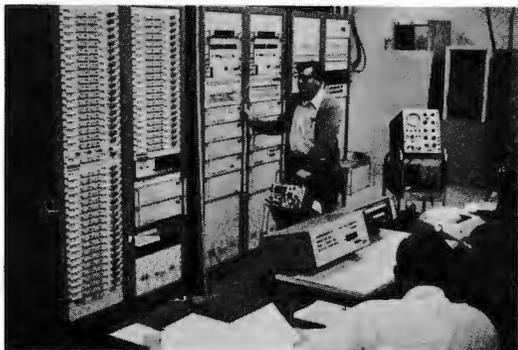
Mrs. Brown joined EMR in Ridgefield, Conn., in 1952, and transferred to Sarasota in 1957 when the company moved its operations to Florida. She now becomes the first woman in our elite "20 years plus" group, which includes General Manager Leo Chappell; Alf Englund, Supervisor, Quality Control; and Curt Dyke, Senior Engineer in Aerospace Systems.



With Mrs. Brown are (left to right): Manufacturing Manager Norman Siegel, General Manager L. G. Chappell, Mrs. Brown, Foreman George Keegan, and Production Manager Jack Clark.

EMR TO PROVIDE F-15 TEST INSTRUMENTATION

Work is nearing completion on a sophisticated telemetry/computer system which EMR is supplying to Control Data Corp. (CDC), of Sunnyvale, Calif. The instrumentation will be part of a large flight test data handling system which CDC will install at Edwards



Project Engineer Dick Haase is pictured with part of the nearly-completed EMR telemetry/computer system soon to be shipped to CDC. Randy Mitchell and George Phillips are in foreground.

Air Force Base for the new Air Force F-15 fighter aircraft flight test program.

EMR's multi-rack segment of the system includes the Model 6135 Computer and telemetry "front end" consisting of over 100 Model 287A-03 Discriminators, PCM links (2700-series equipment) and PAM PDM data links utilizing our computer-controlled, modified Model 515's. New, specially-designed programmable data distributor and data compressor equipments are included in the EMR telemetry front end. Also included is the first system delivery of EMR's Televent II software package.

Dick Haase is Project Engineer for the EMR system.

WHO'S WHO -- EMR-TELEMETRY WOMEN ENJOY TECHNICAL JOBS

Among EMR-T's highly skilled employees are assemblers, machinists, draftsmen, engineers, technicians and other specialists. It's traditional to think of women as working in Assembly and in offices, and to assume that more technical jobs--engineers, draftsmen, technicians--are done by men. But that's not always the case.

Some of our women employees are in Technical classifications, doing complex technical jobs. These ladies have achieved their present positions through on-the-job training and their own initiative, plus a special talent for the kind of work involved. Here's a round-up of the gals currently on our Technical payroll.

Lab Technician Bonnie Iler, of Quality Assurance, works in a well-equipped chemical analysis lab in our Engineering Building. Her work includes chemical analysis of the various solutions and baths used in manufacturing printed circuit boards and for conditioning and plating fabricated metal parts. Bonnie also conducts physical tests to assure that our in-process operations result in acceptable hardware--checking the adhesion, thickness and appearance of coatings and paint. Materials are sometimes examined under special microscopes with up to 1000 power magnification. Her special tasks include silver, nickel or gold plating, chemical etching of various metals, and physical testing of certain purchased materials used in our products.

Bonnie joined EMR in 1962 as a Learner in Production. As she progressed, she received on-the-job training in the lab to perform work in potting and subsequently to do chemical analysis as a Lab Technician.

Sally Marlowe is a Technician Aide in Potting and Encapsulation in Manufacturing. She works with the protective coatings and seals which are carefully applied



Bonnie Iler



Sally Marlowe



Gladys Beard



Karen Bailey



Caryl Faso



Betty Austill and Lela Kallio

to many of our product components--transformers, inductors, sub-assemblies, printed circuit boards--in our Potting Lab in Production. Sally does critical rework and prototype potting in cooperation with other technical employees. She has a thorough working knowledge of the epoxies and chemicals used in the Lab; keeps an eye on the supplies and their shelf-life; checks oven temperatures; keeps molds clean, etc.

Since joining EMR in 1962, Sally moved up from Learner to Assembler to Sub-miniature Assembler, and then, after on-the-job training and experience, she was promoted to Technician Aide. Before coming to EMR, Sally had been a Ringling Circus aerialist and served as Gina Lollobrigida's double in the movie "Trapeze."

Technician Aide Karen Bailey, of Production Test, is currently the only girl in the Test Department. In her job Karen performs electrical acceptance tests on a variety of sub-assemblies and components, refers to test specs, procedures, schematics and assembly drawings. She checks for wiring errors, runs continuity tests on printed wiring cards, low pass output filters, etc. Karen also coordinates test data records and stocks parts bins and office supplies for Test.

Karen first joined EMR in 1960 and came up through the ranks, starting as a Junior Assembler. She has been a Technician Aide in Test since 1970.

Trainee Draftsman Gladys Beard transferred to Drafting in 1971 from her post as an Assembler in RF Engineering. She works with engineering changes--modifying existing drawings and incorporating details of Engineering change orders. She also runs the Phototypesetter which provides master lettering for technical art (and Pulse headlines), and does inking and detailing for art work in manuals.

An art major in high school, Gladys learned about drawings, hardware and components in her work in Assembly and Engineering. She originally joined EMR in 1962, but left to start a family, and rejoined EMR in 1969.

Photo Lab Technician Lela Kallio and Technician Aide Betty Austill, of the Mechanical Design Department, work in our Engineering Photo Lab. In their dark rooms, Betty and Lela do all kinds of photographic processing--converting the drawings created by Design and Drafting into Production art work for printed wiring boards; developing X-rays for Receiving Inspection; producing art work for silk screening; identification plates; manuals, specs, brochures, proposals; line negatives. Betty also does plates for our color printing press and half tones.

Lela Kallio, who will mark her 15th anniversary with EMR in April of this year, has moved up from Junior Electronic Assembler to Group Leader to Lab Technician. She taught soldering and wire

wrap techniques to hundreds of employees for several years before going to the Photo Lab.

Betty Austill joined EMR in 1962, and has progressed from Learner in Assembly to her present post as Technician Aide. She served in Reprographics for several years before going to the Photo Lab in 1970.

Caryl Faso, Technician Aide in FDM Engineering, assists in the design of filters and magnetic components for our products. Her duties include preparing design data for the computer; calculating component values from mathematical formulas, assembling inductors and filters, testing and modifying prototype component values for the desired performance, and documenting the results.

Caryl joined EMR in 1963 and progressed from Learner in Production to Assembler and to Sub-miniature Assembler in Engineering before her promotion to Technician Aide in 1968. To increase her job knowledge, she has taken courses in algebra and basic electronics. Caryl met her husband, Senior Systems Specialist Joe Faso, at EMR and they were married in 1966... How's that for a fringe benefit?

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WYATT BISHOP PROMOTED TO ENGINEER POSITION

Wyatt S. Bishop, who joined EMR in 1959 as a Mechanical Inspector in Receiving Inspection, was promoted last week to the position of Engineer.

"His rise through the ranks is an indication of Wyatt's professional growth, his contributions on the job over the years, and his potential for the future," said Engineering Organization Manager C. G. Byrd.

Wyatt moves up to Engineer from his post of Systems Specialist. He is currently assigned to Instruments Engineering, reporting to J. A. Wachob.

Advancement to the level of Engineer is not an easy step at EMR. Candidates are nominated by their Department Managers. Technical achievements, experience, and education are carefully documented, and then the candidate submits to a rigorous, closely-supervised series of examinations by EMR-T technical experts in various engineering disciplines.

An examining board, consisting of three Engineering, Marketing and Systems Managers and Clarence Byrd, conducted Wyatt's examination, and the procedure was coordinated by Personnel Manager O. W. Noble.

A native of Arcadia, Fla., Wyatt joined the Navy soon after high school. Between 1954 and 1959 he received training in aviation electronics in the Navy. He was based at Jacksonville, and saw duty on several aircraft carriers. After joining EMR in August, 1959, Wyatt moved from Receiving Inspection to the Standards Lab, to Test, and then became an Engineering Technician. He took many job-related technical courses at Manatee Junior College, and worked in FM/FM Engineering on various hardware development projects. He was promoted from Senior Technician to Specialist in 1967, and most recently has been engaged in designing and demonstrating our Vehicle Test System.



Wyatt Bishop (left) gets a handshake from Kent Morgan and congratulations from his examining board members: Martin Belkin, Jim Wachob and Wry Noble.

"I enjoy talking with customers about our equipment because I think we have some of the best products on the market, and it's easy to represent a company you believe in," Wyatt said. "The thing I like best about engineering is the opportunity to create something. I also consider myself fortunate to have worked with some fine Engineers here who were very generous in sharing their know-how with me and with others," the new EMR-T Engineer stated.

Wyatt is a ham (an amateur radio operator) and enjoys riding his Honda cross-country and to work. Wyatt and Betty Bishop are parents of an 18-months-old daughter, Kerri.

ANNIVERSARY GREETINGS

Major service milestones are being observed this month by:

1957: Janie Hand, Clio Hutcheson, Helen James, Vida Jarrett, Fannie Belle Johnson, Pat Prince, Dorothy Richey, Bob Sayre, Hester Spann

1962: Elizabeth Christensen, Marian Cook, A. J. Lawton, Sal Martino, Jim Rexrode, Carl Steineckert, Minnie Mae Vann.

1967: Alice Armstrong, Ross Tilton, Jim White

HAPPINESS IS... having Washington's Birthday as a paid holiday on Feb. 21.