

### DEFENSE SUPPLY AGENCY PRESENTS AWARD TO EMR

EMR-Telemetry has been awarded a Certificate of Excellence for 1968 in recognition of superior performance in fulfillment of security obligations in performance of work on classified defense contracts.



General Manager L. G. Chappell, Martha Lambert, and R. W. Ireland, with Col. L. P. Murray during award presentation.

The award was presented on October 31 to Leo G. Chappell, EMR-Telemetry's General Manager, and Robert W. Ireland, Facility Security Officer, by Col. Loren P. Murray, USAF, Director, Defense Supply Agency, Defense Contract Administration Services Region, Atlanta. Other participants in the award ceremony were Commander H. M. Forrest, USN, Chief, Defense Contract Administration Services (DCAS) Office, St. Petersburg; Mr. B. H. Batchelor, Chief of Security, and Mr. S. S. Vissage, Industrial Security Representative, both of the DCAS District, Orlando.

The Col. James S. Cogswell Outstanding Industrial Security Achievement Award is

(Continued on Page 3)

### EMR WINS NAVY CONTRACT FOR OSO-H EXPERIMENT

The U. S. Naval Research Laboratory, Washington, D. C., has awarded EMR-Telemetry a contract to develop the prime experiment for an Orbiting Solar Observatory (OSO-H) spacecraft which will study the sun. Known as a White Light Coronagraph, the experiment consists of a miniaturized television camera with associated data processing.

OSO-H is designed to observe certain phenomena involving the sun--solar winds, matter escaping from the sun, and matter between the earth and the moon, with particular attention to the sun's corona, or sun streamers. Work at EMR-Telemetry on the White Light Coronagraph will

(Continued on Page 2)

### CELESCOPE LAUNCHING EXPECTED THIS MONTH

Latest indications are that the Orbiting Astronomical Observatory carrying our Telescope Experiment will be launched during the week of November 17. That's the word brought back from a NASA news conference at Cape Kennedy on October 30. John Talbot, Manager of Advertising and Sales Promotion, Shelby Bass and B. J. Tucker, of Systems, attended the press conference and answered questions about the Telescope Experiment. The OAO spacecraft itself is ready to go, but a few problems remain to be cleared up in the Centaur stage of the Atlas-Centaur rocket which will boost the spacecraft into its circular orbit 480 miles above the earth.

## EMR WINS NAVY CONTRACT FOR OSO-H EXPERIMENT (Continued from Page 1)

be headed by B. J. Tucker, of Systems, as Project Manager. Others currently on the project team include: Roy Paxton, Marcelo Breton, Rich Davies, Don Hammond, Jim Maguire, Phil Potts, Tony Ramos and Walter Reed.

"In developing the hardware for the White Light Coronagraph, we'll be utilizing digital TV techniques developed from our earlier NRL study contract and from work we've done on the Orbiting Astronomical Observatory (OAO) program--Celescope, that is," B. J. Tucker explains.

The sun's corona is a gaseous halo surrounding the sun with streamers shooting out intermittently to distances of hundreds of thousands of miles from the surface of the sun. The sun itself is 93 million miles from earth.

EMR will develop and assemble two systems in this 18-month NRL program to provide the small package of flight hardware for the OSO-H spacecraft. Delivery of the first hardware is scheduled for mid-1969. EMR has supplied PCM telemetry equipment on all of the OSO series spacecraft launched in recent years.

## CREDIT UNION LOANS HELP YOU PLAY SANTA

EMR Sarasota Employees Credit Union makes it easy for you to play Santa Claus this year. A new "short form" loan application is available to all members for rapid processing of Christmas loans that are 100% secured by shares. If you prefer not to borrow against your shares, Directors of the Credit Union recently raised the signature loan limit to \$500. Stop by the Credit Union today for your holiday loan.



## PRIZE-WINNING ORCHID



Betty Boyce, of our Production Set-up area, proudly displays her prize-winning orchid plant. Her white Cattleya orchid with nine lovely blooms captured a second-place ribbon in the Sarasota Orchid Society's 12th annual orchid show October 26-27.

Betty's a veteran EMR employee, going back to Ridgefield, Conn., days. After growing orchids for only a couple of years, Betty has 105 different orchid plants, and the collection is still growing. She pampers her orchids in a special backyard greenhouse, size 14 x 14 x 12. "I enjoy giving the blooms to friends," Betty says.

## REQUEST FOR SEALED BID EMR-OWNED AUTO FOR SALE

1965 Chevrolet, blue, 4-door sedan, automatic transmission, air, radio. May be inspected at front A & E parking lot. Minimum bid: \$500.

All bids must be sealed, contain full name, department, extension, amount of bid, and must be sent to S. D. Gray, Mail Stop 10. Bids must be in by Friday, November 29. They will be opened on Monday morning, December 2, 1968, and the successful bidder will be announced at noon the same day. In the event of tie bid, a drawing will be conducted by S. D. Gray to determine successful bidder.

PULSE

EMR-Telemetry News  
M. E. Herbst, Editor

## HALLOWEEN HIGHLIGHTS OF SOCIAL CLUB DANCE

"The Great Pumpkin" and "Peanuts" characters decorated the National Guard Armory for the EMR Social Club Halloween Dance November 2. "Don Bolt and his Decorations Committee did a fine job," Dance Chairman Frank Blakeley said. About 220 attended. Prizes were: Best Couple: John and Betty McQueen; Weirdest: Bob and Linda Anderson; Prettiest: Janice Drew, and Ray Smith; Best Male: Dick Manning; Best Female: Janice Saffell; Funniest: Bill and Paula Cooke; Best Group: Wayne and Judy Keyser, Carl and Joan Schalow; Best Monster: Bruno Stillo. (Photos by Don Bolt)



Best Female

Prettiest

Best Male

Funniest

Best Couple

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(Continued from Page 1)

presented annually to selected contractors in the 11 Defense Supply Agency regions. This is the highest honor that can be given to a participant in the Department of Defense Industrial Security Program. Some 14,000 firms which have DOD security clearances to perform on classified contracts were considered for the 42 awards given throughout the nation this year. Only four awards were made this year in the Atlanta region from among the 870 eligible contractors, and EMR-Telemetry is one of the four winners.

In his letter notifying Mr. Chappell of the award, Rear Admiral J. L. Howard, Deputy Director of the Defense Supply Agency, Alexandria, Va., stated: "I wish to commend, for his personal efforts which have resulted in an overall industrial Security Program worthy of this recognition, Mr. Robert W. Ireland, your Facility Security Officer. My congratulations to you and to all your employees for this fine achievement."

Bob Ireland has been our Security Officer since January, 1964. Martha Lambert has assisted Mr. Ireland in handling many of the details of our Security Office for the past four years.

### MICROELECTRONICS LAB ENGINEERS GIVE PAPERS

Two Engineers from EMR-Telemetry's Microelectronics Laboratory presented technical papers at the Hybrid Microelectronics Symposium in Chicago, October 28-30.

James M. Bicknell's paper, entitled "Thin Film Hybrid Ten-Bit Ladder and Switch," described a microelectronics ladder circuit now used in some standard EMR digital products. The second paper, "Hybrid Medium Scale Integration (MSI)" by Dietrich E. Riemer, discussed a new technology being utilized in a new product line now under development in Digital Products Engineering. Known in-house as our "1000 Technology," the advanced technique which permits a threefold to tenfold size reduction is being used in the design of an airborne series of products in the digital products area.

Some 900 persons attended the Chicago Microelectronics Symposium, co-sponsored by the International Society for Hybrid Microelectronics and the Chicago Section of IEEE. Randy Schaub, of Reliability, also attended the Symposium. Lake Brown, head of our Microelectronics Lab, is Vice President of the Southeast Chapter of the International Society for Hybrid Microelectronics.

## KILTIE BAND MEMBERS SHINE UP EMR WINDOWS



Ten Riverview High School students joined the EMR-Telemetry cleaning staff last Saturday in a mutually-beneficial arrangement for the community and for EMR. Students earned money to help finance the Kiltie Band trip to the Tournament of Roses parade in Pasadena, Calif., on January 1--and EMR-Telemetry got lots of windows washed. The students worked hard from 8 a. m. to 3:30 p. m., with time out for sandwiches and beverages provided by EMR-Telemetry. In foreground of photo is David Paxton, son of Roy Paxton, of Systems. (Photo by Clyde Council, Riverview High School)

## NEW SALES OFFICE OPENS

A new EMR-Telemetry Sales Office has been opened in Lancaster, Calif., to offer EMR customers better sales and service in the area. Carl Steineckert, Field Sales Engineer, who in the past worked out of Los Angeles, will man the Lancaster office, assisted by a new secretary not yet on board.

From the more central location at 44517B North Sierra Highway in Lancaster, Carl Steineckert can spend more time with his customers, covering the broad arc of his territory. His accounts are at widely-separated locations such as Pt. Mugu, Edwards Air Force Base, Corona, and San Diego. Carl has been in EMR field sales since 1962. The ground-floor offices include a reception area, office space, and equipment service area.

## EMR SOFTBALL TEAM TAKES DIVISION CROWN

Meet the Champs--EMR's Softball Team. EMR Social Club's Softball Team captured the Western Division championship of the Sarasota Slow Pitch League last week when the EMR team won the play-off game between the two teams tied for first place.



Championship EMR Softball Team members are: (front row) Don Roberts, Dave Tharpe, Jim Hawkins, Rick Schneider, Bob Anderson; (back row) Jim Maguire, Walt Knopik, Joe Faso, Bud Long, Paul Germond and Team Manager Tom Toler. Missing from photo was Dan Toler.

In an exciting extra-inning game, the EMR team fought from behind three times to beat West Coast Lumber by a score of 16-13 to take the Western Division trophy. Paul Germond and Jim Maguire had four hits apiece, and Bob Anderson went 3 for 3. Anderson leads both the Eastern and Western Divisions of the City Slow Pitch League with 11 home runs to his credit for the season.

EMR's record for the season is 17 wins and 5 losses, according to Team Manager Tom Toler.

The EMR Softball Team continues play next week in the Divisional tournament, which matches the top four teams in tourney play. This tournament is independent from the Division Championship which the team won.