PULSE

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The EMR-Telemetry News
Sarasota, Florida

Vol. III, No. 17 December 20, 1968

CELESCOPE NOW IN ORBIT AND MAPPING THE STARS

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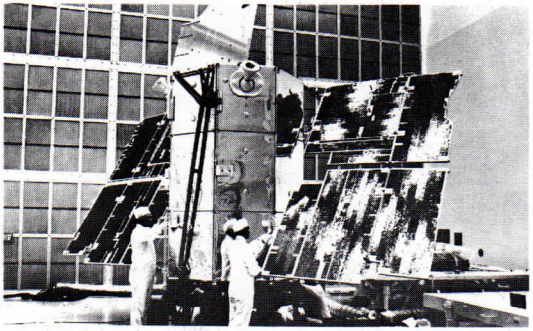
Celescope's four telescopes and video cameras have been turned on and reports early this week indicated they were functioning perfectly. All data transmission modes--analog and digital--have been operated with good success.

(Continued on Page 2)



Orbiting Astronomical Observatory is shown here with its solar panels extended prior to launch from Cape Kennedy.

EMPLOYEES RECEIVE 4 % GENERAL ADJUSTMENT

A 4% general pay adjustment for non-exempt EMR-Telemetry employees was announced this week by General Manager L. G. Chappell. The general adjustment is effective December 16 and will appear in the payroll receipt employees receive on December 27. Non-exempt employees are those in the hourly, office, technical and supervisor job categories at EMR-Telemetry in Sarasota and in the field.

"Through improved profit performance at EMR-T this year, EMR-T management is able to give a better annual wage adjustment than was possible last year," Mr. Chappell said. "EMR-T's policy is to review our wage and salary structures on a periodic basis to insure that our total compensation is competitive with other companies locally and in Florida."

"Annual surveys are conducted within the community and with companies doing similar work throughout the State," Personnel and Services Manager Wry Noble explained. Economic trends in the nation are reviewed and evaluated. This information is then combined with data relative to EMR-T's financial and competitive situation so that we can recommend revisions in our wage and salary structures by an appropriate adjustment. In addition

(Continued on Page 3)

Merry Christmas * Happy New Year

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CELESCOPE (Continued from Page 1)

The star-studying 4400-pound OAO is orbiting the earth in a 480-mile circular orbit every 110 minutes and is designed to operate for 12 months. Celescope is one of two major scientific experiments in the OAO--the Smithsonian (Celescope) Experiment and a University of Wisconsin Experiment. Celescope will measure the ultraviolet brightness of stars above the earth's masking atmosphere, and will photograph as many as 700 stars a day to permit the Smithsonian Astrophysical Observatory to compile a detailed ultraviolet stellar map. A working OAO system is expected to revolutionize observational astronomy.

Celescope's mission is to map the radiant intensity of the sky in four ultraviolet color bands, scanning the stars and transmitting video information to the ground. Astrophysicists need to know the color of stars in order to determine their temperature and therefore their age. If they can tell the age of the various stars, astrophysicists can tell more about the composition of the universe, where it's been and where it's going. The OAO "will open up a new window on the universe," Dr. Fred L. Whipple, Director of the Smithsonian Astrophysical Observatory, has said.

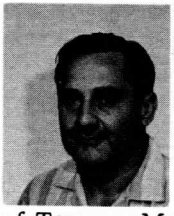
The Celescope Experiment fits in half of the OAO spacecraft and is a cylinder four feet in diameter by five feet long, weighing about 500 pounds. At the opposite end of the satellite is the University of Wisconsin Experiment designed to observe and study one star at a time.

Celescope Project Manager Shelby Bass, Project Engineer B. J. Tucker, Contract Administrator Chuck Pierce, Systems Project Specialist Rich Davies and Boston area Salesman Ray Claflin witnessed the launch at the Cape on Saturday at 3:40 a. m., while EMR President J. P. Magnin watched the launch from NASA Goddard Space Flight Center in Greenbelt, Md.

CELESCOPE FIELD TEAM

EMR-Telemetry's Celescope Field Service Team at NASA Goddard Space Flight Center, Greenbelt, Md., includes (left to right): Pat Scoles, Otis Brown, Tom Dennison, Carmon Sloan, Larry O'Connor, Ken Leilich and Jerry Block, seated. Don Jones, not in photo, is also on the Celescope Field Team. The Team mans Project Celescope monitoring and ground control equipment on a round-the-clock basis, checking the status of the Celescope Experiment to make sure it is in safe operating condition, and monitoring the quality of the star data and TV pictures being received before the data is transmitted to the Smithsonian Astrophysical Observatory, Cambridge, Mass., for complete data reduction.

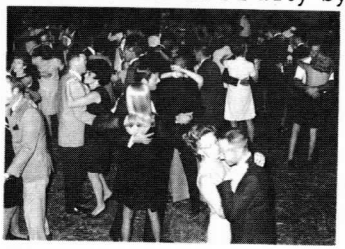
MANOLO LOBATO



Manolo Lobato, Supervisor of Fabrication Methods, died suddenly on Monday night, December 16, of a heart attack. Manny joined EMR in April, 1960, as a Sheet Metal Foreman. A native of Tampa, Manny attended schools there. He served in the U. S. Air Force, 1944-1946, and before coming to EMR had been employed at Glen L. Martin Aircraft, Baltimore, Md., and as a Foreman with Wm. H. Berger & Sons, Baltimore. He is survived by his wife, Lieselotte, and two sons, Manuel and Jerry Lobato. He will be missed by his friends and co-workers.

TIS THE SEASON TO BE JOLLY - AT EMR CHRISTMAS PARTIES

Photos at the Social Club Dance and the Children's Party by Jim Horvath and Bill Carter:



NEW PENSION PLAN EFFECTIVE JANUARY 1

The new Schlumberger Retirement Plan was announced this week with the details presented to Managers and Supervisors on December 17. Individual copies of the plan have been distributed to all employees and sessions will be conducted by each Supervisor to interpret the changes.

The new plan, effective January 1, 1969, provides increased benefits for retirees and incorporates those benefits accumulated by employees in the existing pension plan. The expense of the plan is paid for by the Company, in addition to the regular contributions made by the Company to Social Security. Supervisors should consult Bob Ireland, of Personnel and Services, when they need additional information.

4% GENERAL ADJUSTMENT (Continued)

to the 4% general adjustment, employees are reviewed through regular performance appraisals during the year and most employees receive additional pay increases based on job performance.

"In addition to this general adjustment, EMR Division employees are currently being notified of improvements in the EMR Division Pension Plan to go into effect January 1, 1969," Mr. Noble stated. "Through benefits such as this current wage adjustment, the improved pension plan, broadened insurance coverage, and merit increases based on regular job performance reviews, EMR-T is continuing to provide employees with above average wages and fringe benefits."

SOCIAL SECURITY TAX GOES UP

In 1969 your Social Security tax goes up to 4.8% (from 4.4%) on every dollar you earn up to a maximum of $7,800. EMR's payroll costs also will go up by a similar amount since the 9.6% tax is divided equally between the company and the individual. The change will be noticed in your pay receipt of January 3.

NEW EMPLOYEE HANDBOOK

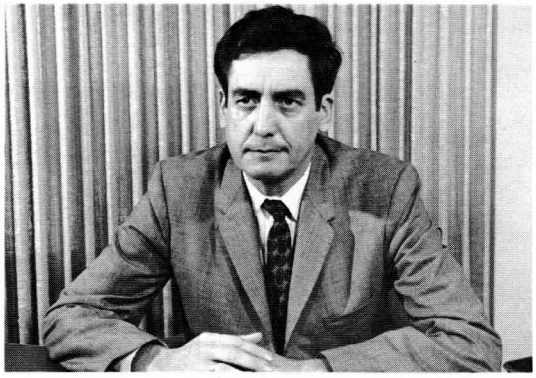
Diane Schmidt and Don Smith look over their artistic handiwork in the new EMR-Telemetry Employee Handbook. The booklet, compiled by Personnel and Services, is a handy reference guide for employees. Don Smith, EMR-Telemetry's Art Director, designed the cover and did the layout of photos and copy. Diane, who has been working in Tony Brancati's group in Production, is the talented young cartoonist who created the drawings which brighten the booklet. Her natural cartooning ability has been enhanced by a scholarship for a Famous Artists cartooning course. Diane will leave us soon to begin her new career of motherhood.

A HOLIDAY MESSAGE FROM L. G. CHAPPELL

TO EMPLOYEES OF EMR-TELEMETRY:

I sincerely extend best wishes to you and the members of your family for peace and happiness during this holiday period and for 1969.

The year 1968 has been significant for EMR-T, and, together, we have achieved several milestones: Orders for five automated telemetry/computer systems have been logged...Project Celescope, on board the Orbiting Astronomical Observatory, was launched December 7... Delivery of Truck Tape Recorders was completed six weeks ahead of schedule...Orders for new S-Band and L-Band Transmitters are strong...New products have been introduced, and some have already been well received, such as the new high-frequency FM units delivered to Collins... The telemetry contract for NASA's Orbital Workshop (Airlock) was awarded to EMR-T ... Deliveries have improved and we have turned the corner from a loss situation to a profit margin. My sincere appreciation goes to each of you for all your efforts.



There will be many challenging opportunities in 1969 for each of you and for EMR-Telemetry. I am confident that we can meet those challenges and surpass the achievements of 1968.

MERRY CHRISTMAS - AND HAPPINESS IN THE NEW YEAR!

Sincerely,

L. G. Chappell

1968 PERFORMANCE PRAISED IN MEETING

EMR-Telemetry exceeded its goals for 1968 and will end the year with a profit. That was the good news General Manager L. G. Chappell delivered at an informative meeting for Professional, Managerial and Supervisory employees on December 11.

The General Manager congratulated the Marketing organization on increased orders and reminded the 75 members of the Marketing group that "there are 626 other employees here at the plant supporting your efforts." He noted the large number of new products generated by our Engineering people which contributed greatly to our success in 1968. Mr. Chappell praised the achievements of Plant Operations employees in meeting the increased shipments goal for the year. He pointed out that it will be necessary to continue this accelerated sales and production pace to meet 1969's goals.

Looking to the future, Mr. Chappell presented an analysis of the potential market and forecasts of EMR-Telemetry's anticipated share of the various segments of the market for the next three years. He reported an anticipated growth rate for EMR-Telemetry of between 8 and 10% per year.

Mr. Chappell introduced Mountain Area Field Sales Manager John M. Sherman, who spoke to the group about the role of the Salesman in presenting the EMR image to the customer and meeting customer requirements. To satisfy customer needs, the Salesman will ask searching questions about our systems and products, Mr. Sherman said. By anticipating those questions and supplying the necessary information to the Salesmen, EMR-Telemetry plant personnel can help improve customer relations. He pointed out the need for up-to-date technical literature, manuals, and the importance of getting accurate delivery data for customers.