

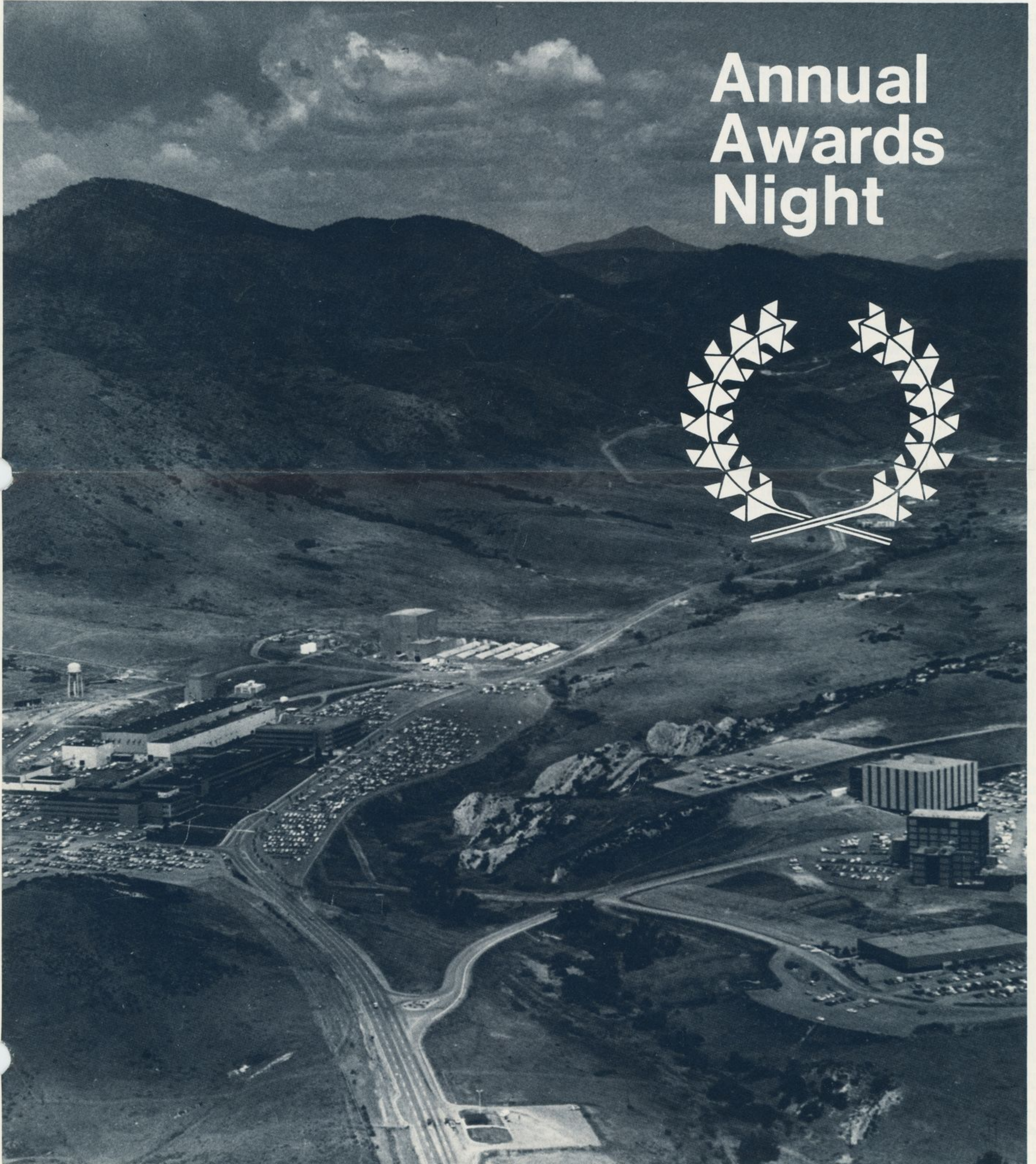
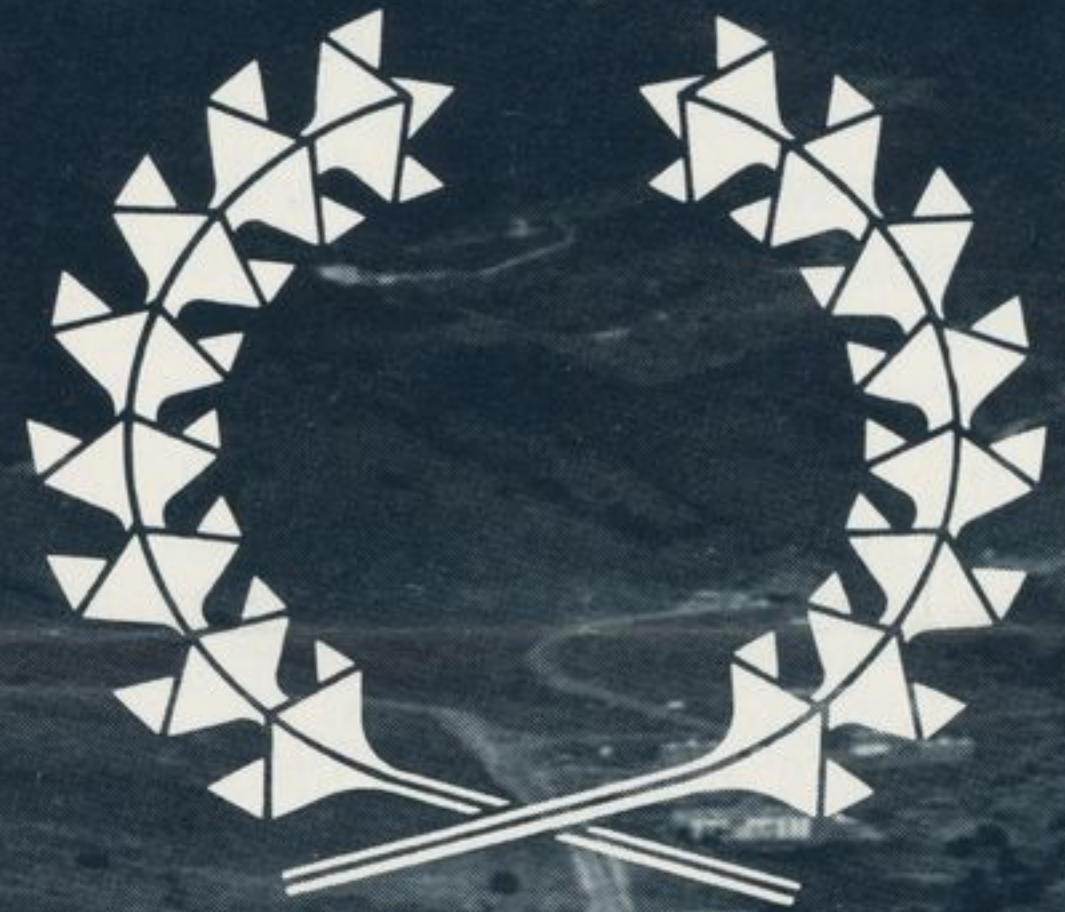
MARTIN MARIETTA

news

DENVER DIVISION

NUMBER 6/1975

# Annual Awards Night



# 10 get top honors at Annual Awards Banquet

Ten employees were singled out for top honors at the Annual Awards Banquet May 10. The banquet was held in the Grand Ballroom of the Marriott Hotel.

Recognized as Co-Authors of the Year were Scott K. Asnin and Arthur L. Satin for their paper on "Navigation and Performance Analysis of a Mars Surface Sample Return (MSSR) Mission."

Morely V. Friedell was selected Inventor of the Year for his smooth flow flow control valve with isolated sequence control mechanism.

The top New Technology award was presented to Thomas L. Tedrow and Al Weathers for their high resolution x-ray.

Engineer of the Year was Michael K. Mann for his application of technical competence and leadership that led to the resolution of Viking Guidance and Control Sequencing Computer memory problems.

Reid H. Clausen was selected as the top Business Acquisition contributor for outstanding performance, managerial leadership and technical expertise as manager of electronics engineering, resulting in the development of an electronic capability which has culminated in the procurement of a significant level of sales in electronic components and subsystems.

The Profit Contribution top honor went to Felix J. Scheffler for his personal contributions to the sustained successful flight performance of Titan III that resulted in a major profit award for the Denver division in 1974.

Leonard G. Taigman received top honors for Operational Performance for outstanding performance, demonstrated professionalism, and sustained dedication in preparing and maintaining the division's Long Range Plan and for exceptional judgment in bid/no bid recommendations in keeping with the division's long range goals and objectives.

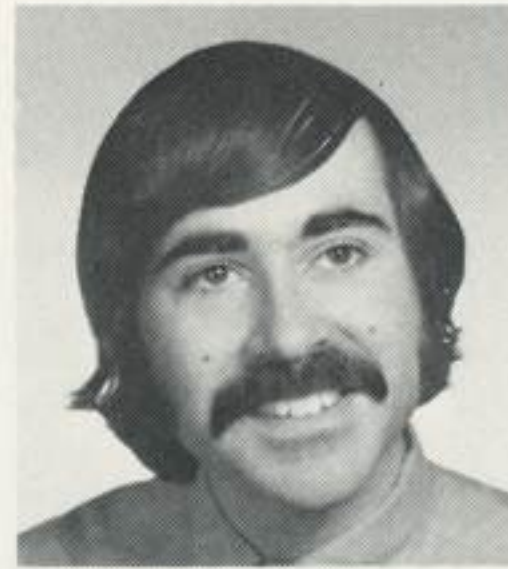
Personal Achievement top recognition was accorded Albert R. Schallmuller for his outstanding performance in integrating the Viking Flight Operations Software Systems at the Jet Propulsion Laboratory and for creating especially effective interfaces with Jet Propulsion Laboratory and Viking Project Office counterparts.

The awards were presented by L. J. Adams, vice president and general manager of the division.

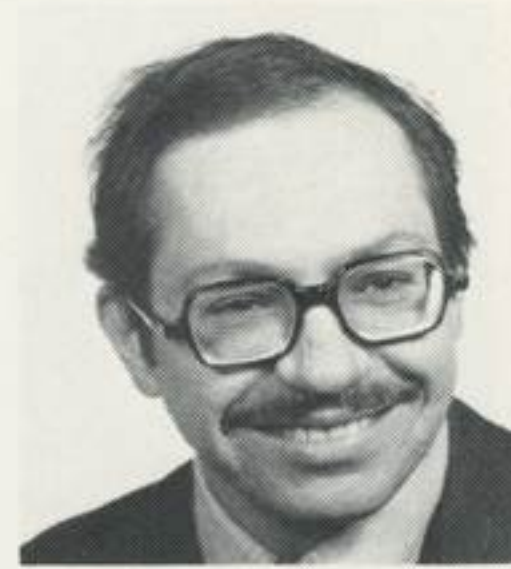
Other employees honored were:

## Publications

Distinguished Contributors: Scott K. Asnin and



Asnin



Satin



Friedell



Weathers



Mann



Clausen



Scheffler



Taigman



Schallmuller



Schallmuller

Arthur L. Satin; Lyle E. Bareiss, Raymond O. Rantanen and Ernest B. Ress; James R. Beall and Eugene R. Freeman Jr.; William J. Bursnall Patrick C. Carroll and Charles L. Deats; Russell A. Chihoski; Benton C. Clark III; Richard L. Donovan, Donald W. Dowell, David F. Giere and Ronald F. McConnell; Ralph N. Eberhardt Jr., Dale A. Fester and James Tegart; Robert L. Gates; Matthew S. Imamura and Thomas D. Patterson; Fred E. Lukens; Peter M. Norris and Claxton W. Rea; Alexander R. O'Connell; Norman A. Osborne; William E. Pipes III; A. M. Ray and J. Robert Tewell; Richard A. Spencer; Eric L. Strauss.

Honorable Mention: John B. Anderson and Dale A. Fester; Stan Barrett and Bruce D. Maytum; James R. Beall and Robert E. Culp; Paul E. Bingham and Richard P. Warren; R. J. Boain and Dennis V. Byrnes; Shepard B. Brodie and Christopher Grant; Tibor Buna and Thomas C. Shupert; Stephen L. Carman; John J. Chapter; William M. Congdon; C. Thomas Edquist; Robert W. Ellison; Arthur Feldman and Donald A. Stang; Neil H. Forrest, Dari Lynes and Gerald E. Johnson; Charles A. Hall

and Dale E. Spond; William F. Kamsler; Clayton C. Korgel; James M. Lefferdo and Prabhakara P. Rao; Joseph W. Maccalous and Donald A. Thomas; Wendel J. Maegley; Earl M. McNail; Hal Nylander and Fred J. Steputis; Allen Oldland; William J. Owen and Jackie F. Wade; Joe C. Pohlen; H. Rudy Ramsey; Raymond O. Rantanen and John P. Thornton; Richard A. Rathke, Ward Duane Rummell and Payl H. Todd Jr.; Richard A. Spencer and J. Robert Tewell; Michael E. Wakefield; Laurence O. Williams; Dale H. Wine.

## Inventors

Robert T. Anselmi, John A. Kotowski, David William Neiswandery and Laurence O. Williams; Earnest Berliner and Robert B. Rice Jr.; Floyd A. Blake; John A. Boddy, Steve F. Mulich and Donald D. Swanson; Neil J. Butterfield; Douglas M. Chapel, Jim D. Osborn and Robert J. Richardson; Clifford J. Choccol; Lester F. Clawson and William F. Kamsler; Merrill E. Crissey; Wilfred L. DeRocher Jr.; Morley V. Friedell; Theofanis G. Gavriliis; Arthur F. Goldsby, Frank J. Haberl and Satish K. Anand; Merlin D. Howard; Matthew S. Imamura; D. Lee Johnson and John T. Polhemus; LaVern W. Kampmann; Werner Koppl; John R. Lager; Wendel J. Maegley; John J. McDonald and Richard B. Seymour; Edward J. Miller; William J. Owen; Arthur A. Rosener and Richard A. Spencer; Wayne E. Simon; Lee A. Skelly; Jack F. Wade; Richard P. Warren.

## New Technology

Robert B. Blizard; Carl S. Bodley, Darrell Devers and A. Colton Park; Allan L. Brook; Gerald Lawrence Dummer and Richard T. Yoshida; William R. Garner Jr.; Charles A. Hall; James A. Kaehler; Donald M. E. McLaren; Joseph E. Morgan and John T. Polhemus; William T. Perreault; H. Rudy Ramsey; Wayne E. Simon; Thomas L. Tedrow and Al Weathers; Michael E. Wakefield; Royzell F. Wells.

## Technical Achiever (Engineer)

Carl S. Bodley, O. L. Butler; B. A. Clausen; Douglas E. Cornick; Paul C. Crissman; Norman E. Greenwalt; J. Carney Howell; Dave E. Leck; Michael K. Mann; A. Dale Mikelson; John E. Myers; Norman A. Osborne; Frank X. Pfenneberger; Ralph M. Tucker; Herbert D. Wilkening; Frank H. Wilson; John M. Wilson.

## Business Acquisition

Fred W. Briston; Reid H. Clausen; Ralph H. Dergance; Tony J. Fria; Charles R. Gunnison; Fred A. Jaeger; Thomas A. Milheiser; George Morosow; Kenneth P. Timmons; John G. Vega.

## Profit Contribution

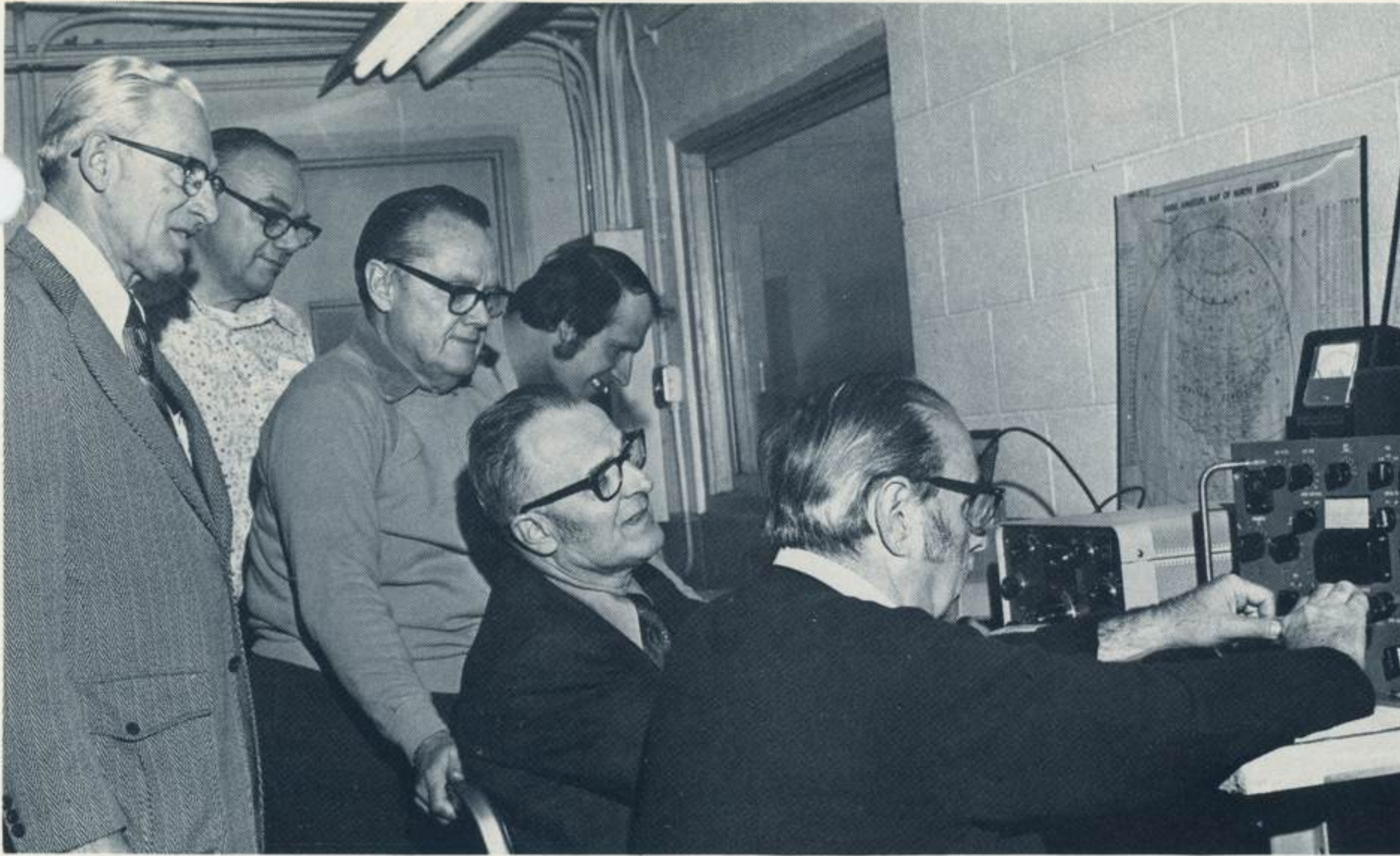
Paul S. Fedec; Wilfred L. Kershaw; Frank W. McCabe; Robert L. Rosenthal; Felix J. Scheffler.

## Operational Performance

Allan V. Ardrey; Erwin R. Bender; Santo Bertuzzi; Francis X. Carey; John P. Coan; J. Carroll Curlander; Paul L. Dalton; Shirley P. DeJaeger; John W. Epperson; Alex Fitts; Michael F. Gaughen; Ronald L. Hatfield; Eugene J. Horak; Roy R. Hunter; Arnold E. Lone; George B. Macaulay; Walter L. McKenna; John P. Murphy; Patrick O'Connell; Robert J. Presekwas; Sherman R. Schrock; Robert W. Smith; Leonard G. Taigman; Marvin P. Udevitz; Eli N. Valencia; Morris S. Worland.

## Personal Achievement

Richard G. Adamson; Leroy J. Ducharme; Don Ferrarini; Violet E. Hall; John F. Koshak; Robert O. Lewis Jr.; Robert M. Rodriguez; Kenneth V. Sawyer; Albert R. Schallmuller; David B. Schwartz; James A. Stapleton; Iris P. Taylor; H. Wayne Terbush; Ray S. Wiltshire.



Satellite-using Hams are Hank Ray, WØRLD, engineering; Jack Huey, KØUED, manufacturing; Whitey Dohner, KØHPB, manufacturing; Tom Stratton, KØKHE, engineering; Hans Rheinheimer, WAØTMA,

manufacturing; and club guest Dan Davis, WØJY. Not in the photo, but participating in the project, were Bill DeWolfe, WØLVI, Viking; Dick Fridge, WØASE, engineering; Chuck Brockmeyer, WØETA, engineering; and Maury Shumaker, WØHYB, engineering.

## Satellite extends Ham's talking range

A new dimension has been added to activities of the Martin Marietta Amateur Radio Club. Rather than normal point-to-point conversation, members of the club have been talking coast to coast via satellite.

OSCAR 6, the Orbiting Satellite Carrying Amateur Radio launched in a cooperative effort by NASA and the Air Force from the Western Test Range in October 1972, and its companion OSCAR 7, put in orbit November 1974, are responsible for the long-range broadcasts.

Using the club's facilities in the division recreation area, division Hams have been contacting fellow operators up to 5,000

## Michoud sub-contracts at \$3.4 million

Martin Marietta Aerospace placed nearly \$3.4 million in sub-contracts in the New Orleans area during the first quarter of 1975 for work on the Space Shuttle program.

George E. Smith, vice president in charge of the Michoud operations, said the sub-contracts were for work to modernize the plant to build and test the external fuel tanks for the Shuttle.

miles away. They talk to the satellite on about 145.9 megahertz and receive signals from the spacecraft at about 29.45 megahertz. The Ham on the other end of the transmission is using the same mode.

Each orbit of the satellite is about 115 minutes. At a mean altitude of 9000 miles, the satellite is within communication range about 25 minutes. The satellites are capable of retransmitting single sideband suppressed carrier voice, radio telegraph, radio teletype, and slow-scan television signals.

OSCAR 7 has a continuously transmitting beacon to help listeners know when it comes into range.

The division's Hams are working to improve equipment and tracking techniques. They have built and own all equipment used.

Membership in the club is open to any Ham—or prospective Ham—in the division. Those interested in joining can contact Hans Rheinheimer, president, or Bill DeWolfe, secretary.

## Holidays to come

The following remaining holidays will be observed by the Denver division during 1975:

Memorial Day, May 26

July 4th

Labor Day, Sept. 1

Thanksgiving, Nov 27

Day after Thanksgiving, Nov. 28

Christmas, Dec. 25 through Jan. 2, 1976

## OIC trainees gain keypunch knowledge from Norma Thomas

"I tried to teach in more detail than I had been taught. I tried to teach those things that I had had to learn on my own and on the job."

Norma Thomas was summing up her approach to her first teaching experience. Success of the approach was proved when she received a commendation from the Denver Opportunities Industrialization Center.

The commendation came at the end of an eight-week period in which Norma has trained students in the OIC keypunch program. She had been loaned to OIC as an instructor by Data Systems as part of Martin Marietta's involvement in OIC's program to "train the unskilled, unemployed, and underemployed."

The Denver OIC was opened Jan. 26, 1964. Since then, the concept has spread and Centers have been established in 102 U. S. cities; San Juan, Puerto Rico; the Virgin Islands; Nassau in the Bahamas; and Nigeria and Ghana in Africa.

Ms. Thomas has been with Martin Marietta more than 15 years, starting as a keypunch (now data entry) trainee. She soon became an operator, was promoted to lead operator, then to supervisor of data entry. She is now supervisor of the Administrative Terminal System (ATS).

"I enjoyed teaching," she says, "and I am pleased with the response and progress of the students."

And she should be pleased. Her students averaged from 8,000 to 18,000 strokes per hour in speed tests. Normal entry level job requirement is 6,000 to 8,000 strokes per hour. (18,000 strokes per hour equates to about 240 cards per hour.)

In recognition of their accomplishments, the students were guests of Martin Marietta at lunch at the plant, presented certificates of achievement, and taken on a tour of the facilities.



U. S. Senator Gary Hart sent his Colorado mobile office to the Denver division recently to get the views of employees on issues now before the Senate. Unfortunately, fewer than 50 employees took advantage of the opportunity.

### MARTIN MARIETTA NEWS

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## 13 unlucky number? Not at switchboard

Thirteen may be an unlucky number to some, but for Denver division telephone users it's a number that provides efficient telephone service.

Thirteen is the number of operators assigned to the division's switchboard.

On an average day, they process 4,300 incoming calls, 1,300 outgoing MARCOMNET calls, 350 information calls, and 330 outgoing Federal Telecommunications System calls.

Calls per hour vary from 400 to 900, with peak periods from 9 am to 11 am and 1 pm to 3 pm.

"Telephone service is essential to the division operation and to employees in the performance of their jobs," Martin D. Bowland, who supervises division telecommunications, said. "It is the responsibility of each employee to use this essential service wisely and to be concerned about its cost."

Bowland said division telecommunications expenses during 1974 were \$1,661,384 and pointed out "it is imperative this cost be reduced to not more than \$1,446,300 during 1975."

Here are some things that will help keep costs in line:

- Reduce number and length of local and long distance calls.
- Provide operator with complete number being called.
- Give operator only information requested.
- Stay near your phone after placing call.
- Be aware of time zone differences when placing call to avoid recalls.
- Place calls during low traffic periods.

*It's 2 pm MDT, midway in the peak of afternoon telephone traffic for the division switchboard.*

- Keep all calls short.

Bowland also reminded employees to submit a new personnel locator card when they move. Operators must have correct numbers to complete calls to employees.

## On The Job

*One in a series*



Manhattan clam chowder may be the best selling soup in the division's cafeterias, but cream of mushroom is Millie Waddell's favorite.

## Bradley is elected chief executive

Frank X. Bradley, former vice president for marketing for the Denver division, has been elected chief executive officer of Martin Marietta Aluminum Inc., the wholly-owned subsidiary of Martin Marietta Corporation.

He has served as president and chief operating officer of the aluminum company since April 1974.

George M. Bunker, who has been and will continue as chairman of Martin Marietta Corporation and the aluminum subsidiary, has been serving as chief executive officer of Martin Marietta Aluminum.

She no longer spends all her time at the stock pot, but for eight months she was the expert responsible for every spoonful of 20 soups offered on the menu. She now cooks breakfast, works on the serving line, or fills in wherever she is needed.

Doing all these jobs is nothing new for a woman who's early training was cooking for 15 hired ranch hands. Or for one who was in charge of the Grand Valley school lunch room for 15 years. Add to that 10 years as cook and baker for Colorado Academy and you have someone who knows what's cooking.

All soup is made from scratch in the cafeteria so it is essential recipes are followed exactly, but it helps to have someone who knows how soup should taste.

Mrs. Waddell admits at times she might add just a "little more of the spices than called for."

"Some salt just isn't as salty," she says with a slight smile.

But why is cream of mushroom her favorite?

"There is something fascinating about that soup," Mrs. Waddell says. "It must be just right or it is all wrong."

She lives in southwest Denver with her husband, Simon, who is pool manager at Abraham Lincoln high school. Her two sons are ex-Marines. Jim works for Western Electric and Joe for Mountain Bell.

Mrs. Waddell has been at Martin Marietta for three and a half years. She likes the work and adds, "The people are great and this is one of the best equipped food services I've seen."

Her parting remark: "I still do all the cooking at home."